

**Proceedings of 174<sup>th</sup> meeting of State Environment Impact Assessment Authority (SEIAA) held on 31.10.2020 at 10:30 AM in the Conference Hall-2, MGSIPA Complex, Sector- 26, Chandigarh through Video Conference.**

In the meeting, the following members were present: -

- 1) Sh. Kuldip Singh, IFS (Retd.),  
Chairman, SEIAA
- 2) Sh. Charandeep Singh, PCS  
Member Secretary, SEIAA
- 3) Dr. Sunil Mittal,  
Member, SEIAA

**Item No. 01: Confirmation of the proceedings of 173<sup>rd</sup> meeting of State Environment Impact Assessment Authority (SEIAA) held on 30.10.2020.**

SEIAA was apprised that the proceedings of the 173<sup>rd</sup> meeting of State Environment Impact Assessment Authority (SEIAA) held on 30.10.2020 is being prepared and the same will be circulated to all concerned shortly.

**Item No. 02: Action taken on the proceedings of 173<sup>rd</sup> meeting of State Environment Impact Assessment Authority (SEIAA) held on 30.10.2020.**

SEIAA was apprised that the action taken on the proceedings of 173<sup>rd</sup> meeting of State Environment Impact Assessment Authority (SEIAA) held on 30.10.2020 will be taken after proceedings of the meeting are approved. The Action Taken Report will be placed in the next meeting of SEIAA.

**Item No 174.01: Application for obtaining Environmental Clearance under EIA notification dated 14.09.2006 for the establishment of Group Housing project namely "Nirwana Heights" located at village- Khanpur, Kharar, SAS Nagar, (Punjab) (SIA/PB/MIS/ 156308 /2020).**

**1.0 Background**

The project proponent has filed an application for obtaining Environment Clearance under EIA notification, 2006 for establishment of Group Housing project namely "Nirwana Heights" located at village- Khanpur, Kharar, SAS Nagar. Project is covered under Activity 8(a) & Category 'B2' as per EIA notification-2006.

The project proponent submitted the Form I, 1A and other additional documents. They have also deposited the processing fee amounting to Rs. 1,18,760/- through NEFT (Fee has been submitted through with UTR no.ORBC420156076595 Dated 04.06.2020).

The application was scrutinized & Essential Details were sought dated 02.07.2020 and 03.08.2020, to which project proponent replied.

## **2.0 Deliberations during the 195<sup>th</sup> meeting of SEAC held on 24.10.2020**

The case was considered by SEAC in its 195<sup>th</sup> meeting held on 24.10.2020 and was attended by the following on behalf of the project proponent:

- i) Sh. Sumit Goyal, Director and Sh. Deepak Gupta, Environmental Advisor.
- ii) Sh. Sital Singh, EIA Coordinator, M/s CPTL, Mohali, Environmental Consultant of the project proponent.

SEAC was apprised that PPCB vide e-mail dated 23.10.2020 has sent the constructon report vide letter no. 4183 dated 23.10.2020, wherein it has been reported that the site of the subject cited project was visited by AEE of Regional Office, SAS Nagar on 17/10/2020 and the status is as under:-

1. The site of the subject cited project is situated at village Khanpur, Kharar. The project proponent has mentioned in the Form-1 the proposed location of the project site at khasra nos. 401, 402, 403, 2055/405, 404, 407, 408, 1354/406, 1355/406 located in the revenue estate of village Khanpur, Kharar, Dist. SAS Nagar, and a perusal of the revenue based master plan of Kharar available on the official website of Punjab Urban Development Authority i.e. [www.puda.gov.in](http://www.puda.gov.in) reveals that, Khasra no. 402, 403, 2055/405, 404, 407, 408, 1354/406, 1355/406 falls under residential use zone. Further, the Khasra no. 401 falls partly under residential use & partly under designated park zone. Further, as per the master plan 220 KV electricity lines across Khasra no. 401 & 402.
2. As per the boundary limits site shown by the representative of the project promoter during the visit, there is no MAH industry within a radius of 250 m from the boundary of the proposed site of the project. Further, there is no cement plant/ grinding unit/ rice sheller/ saila plant/ stone crushing/ screening cum washing unit/ hot mix plant/ brick kiln within a radius of 500 m from the boundary of the proposed site of the project. However, there is one air polluting industry namely M/s Punjab Pesticides Industrial Co-Operative Society Ltd. existing within 300 m radius from the project site. The Project area being upcoming residential cum commercial area, there are many residential and commercial project within the 500 m boundary of the project. Therefore, the site of the project is conforming to the sitting guidelines laid down by the Govt. of Punjab, Department of Science Technology and Environment vide order dated 25/07/2008 as amended on 30/10/2009.
3. The project promoter has not carried out any construction at site, and the project site is currently vacant, however, temporary structure like labour huts and material store has been provided on the site of proposed project. It is pertinent to mention here that the project proponent has constructed boundary on all sides of the project site except that it has provided partial boundary wall towards the far end of the project facing proposed Block – B (as per the proposed site plan submitted).
4. There exists a newly constructed club house adjoining the said partially constructed boundary wall. The representative of the promoter company informed during the conduct of visit that this club house is not part of the proposed project and pertains

to the adjoining group housing project namely M/s Nature Huts-3 developed by the same promoter company. Further, the report regarding the ownership of newly constructed club house adjoining to this project from the concerned authority.

To a query of SEAC regarding the Club House is a part of the proposed project, the Project proponent submitted that the club house existing near the project site is not part of the proposed project. The project proponent submitted an undertaking to this effect which was taken on record by SEAC.

SEAC observed that the project proponent has not carried out any construction activity.

Thereafter, SEAC allowed the Project proponent to present the salient features of the project and the Environmental Consultant of the same presented as under:

<b>Sr.No.</b>	<b>Item</b>	<b>Details</b>
1.	Online Proposal No.	<b>SIA/PB/MIS/156308/2020</b>
2.	Name and Location of the project	"Nirwana Heights" located at village- Khanpur, Kharar.
3.	Latitude & Longitude	30°45'58.57"N,76°37'28.78"E 30°45'56.61"N,76°37'28.74"E 30°45'58.83"N,76°37'17.69"E 30°45'59.10"N,76°37'16.19"E 30°45'01.01"N,76°37'24.24"E
4.	Project/activity covered under item of scheduled to the EIA Notification, 14.09.2006	8 (a)
5.	Whether the project is in critical polluted area or not.	None
6.	If the project involves diversion of forest land. If yes, a) Extent of the forest land. b) Status of the forest clearance.	No
7.	a) Is the project covered under PLPA,1900, if No but located near to PLPA area then the project proponent is required to submit NOC from the concerned DFO to the effect that project area does not fall under the provision of PLPA Act, 1900.	No

	b) Is the project covered under PLPA, 1900, if yes then Status of the NOC w.r.t PLPA,1900.																																						
8.	If the project falls within 10 km of ecosensitive area/ National park/Wild Life Sanctuary. If yes, a) Name of ecosensitive area/ National park/Wild Life Sanctuary and distance from the project site. b) Status of clearance from National Board for Wild Life (NBWL).	No  No  No																																					
9.	Classification/Land use pattern as per Master Plan	Residential,																																					
10.	Cost of the project	49 Cr																																					
11.	Total Plot area, Built up Area and Green area	FOR NEW PROJECTS: <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th colspan="2" style="text-align: center;">"Table A"</th> </tr> </thead> <tbody> <tr> <td>Land</td> <td>27016 Sqm</td> </tr> <tr> <td>Built-up area</td> <td>59379 Sqm</td> </tr> <tr> <td>Green area</td> <td>4700 SQM</td> </tr> <tr> <td>Flats &amp; shops</td> <td>492 flats &amp; 17 shops</td> </tr> </tbody> </table>	"Table A"		Land	27016 Sqm	Built-up area	59379 Sqm	Green area	4700 SQM	Flats & shops	492 flats & 17 shops																											
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12.	Population (when fully operational)	2494																																					
13.	Water Requirements & source in Construction Phase	5-10 KLD met by STP Kharar																																					
14.	Break up of Water Requirements & source in Operation Phase (Summer, Rainy, Winter):	<table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th rowspan="2">Sr. No.</th> <th rowspan="2">Season</th> <th colspan="2">Fresh Water</th> <th colspan="3">Reuse water</th> <th rowspan="2"></th> </tr> <tr> <th>Domestic</th> <th>Fresh water) KLD</th> <th>For Flushing purposes KLD</th> <th>Green Area KLD</th> <th>HVAC If any KLD</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Summer</td> <td>334</td> <td>224</td> <td>110</td> <td>26</td> <td>--</td> <td></td> </tr> <tr> <td>2</td> <td>Winter</td> <td>334</td> <td>224</td> <td>110</td> <td>7</td> <td></td> <td></td> </tr> <tr> <td>3</td> <td>Rainy</td> <td>334</td> <td>224</td> <td>110</td> <td>3</td> <td></td> <td></td> </tr> </tbody> </table>	Sr. No.	Season	Fresh Water		Reuse water				Domestic	Fresh water) KLD	For Flushing purposes KLD	Green Area KLD	HVAC If any KLD	1	Summer	334	224	110	26	--		2	Winter	334	224	110	7			3	Rainy	334	224	110	3		
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15.	Source of Water	<ul style="list-style-type: none"> <li>• Treated waste water will be used during construction stage of the project. ( From STP of M.C )</li> <li>• Recirculation of sewerage effluent.</li> </ul>																																					

16.	Treatment & Disposal arrangements of waste water in Construction Phase	Septic Tank of capacity 10 KLD Sewer																				
17.	Disposal Arrangement of Waste water in Operation Phase	Total =267 KLD, which will be treated in the STP of capacity 400 KLD to be installed in the project premises. <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Sr.No.</th> <th style="width: 15%;">Season</th> <th style="width: 15%;">For Flushing purposes (KLD)</th> <th style="width: 15%;">Green Area sqm (KLD)</th> <th style="width: 15%;">MC Sewer if any (KLD)</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Summer</td> <td>110</td> <td>26</td> <td>131</td> </tr> <tr> <td>2.</td> <td>Winter</td> <td>110</td> <td>7</td> <td>150</td> </tr> <tr> <td>3.</td> <td>Rainy</td> <td>110</td> <td>3</td> <td>154</td> </tr> </tbody> </table>	Sr.No.	Season	For Flushing purposes (KLD)	Green Area sqm (KLD)	MC Sewer if any (KLD)	1.	Summer	110	26	131	2.	Winter	110	7	150	3.	Rainy	110	3	154
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18.	Rain water recharging detail	12661 m3/year rain water will be collected and/or 4 no. of recharging pits will be provided to recharge the rooftop rainwater of buildings after treatment through oil & Grease traps																				
19.	Solid waste generation and its disposal	a) 991 kg/day b) Solid wastes will be appropriately segregated (at source. by providing bins) into recyclable, Bio-degradable Components, and non- biodegradable.																				
20	Hazardous Waste & E-Waste	1) Cat 5.1 Qty 25 ltr. 2) Any other Category  Used oil from DG sets will be sold to registered recyclers and E-waste will be disposed off as per the E-waste (Management) Amendment Rules, 2018.																				
21	Energy Requirements & Saving	a) 2600 KW from PSPCL. b) 2x 240 KVA & 2x 125 KVA Energy Saving measures: <ul style="list-style-type: none"> <li>• Solar Light 10 No = 15 KWHD</li> <li>• Common area (300) light bulbs replaced with LED =162 KWHD</li> <li>• Total Energy saved/day 15+162 = 177 KWHD</li> </ul>																				
22	Environment Management Plan along with Budgetary break up phase wise and responsibility to implement	During construction phase GM will be responsible and during operation phase, GM Will be responsible for implementation of the EMP. <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 40%;">Description</th> <th style="width: 20%;">Capital Cost (Rs)</th> <th style="width: 20%;">Recurring Cost (Rs)</th> </tr> </thead> <tbody> <tr> <td>Construction</td> <td>140.50 lac</td> <td>13.90</td> </tr> <tr> <td>Operation</td> <td></td> <td>17.40</td> </tr> </tbody> </table>	Description	Capital Cost (Rs)	Recurring Cost (Rs)	Construction	140.50 lac	13.90	Operation		17.40											
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23	CER activities along with budgetary break up and responsibility to	Director will be responsible for implementation of the CER activities. The details of the various CER																				

	implement	activities, fund allocated and its completion schedule are as under: 1. Rs 42 lacs will be spent under CER activities for providing waste water treatment of village pond (to be provided by the Department of Rural Developments and Panchayats, Govt. of Punjab), as per the design evolved by Punjab Pollution control Board. 2. The implementation of the CER will be responsibility of Director
24	Other important facts (Applicable to EC projects only )	a) Whether all the environmental monitoring parameter are within permissible limits prescribed for such type of projects. (Applicable to EC projects) yes b) The MC, has issued the certificate vide letter no. 521 dated 12/03/2020 to the effect that facility of the sewer is available for the Residential project, treated waste water after depositing requisite charges to the MC Sewer. c) The MC Kharar has issued certificate vide letter no 522 dated 12/03/2020 to the effect that they are in process of setting of common municipal Solid waste facility for the MC Kharar cluster and will take care of MSW likely to be generated from this project in due course of time.

SEAC was satisfied with the presentation submitted by the project proponent and the reply submitted by the project proponent.

### 3.0 Recommendations

After detailed deliberations, SEAC decided to award 'Silver Grading' to the project proposal and to forward the application of the project proponent to SEIAA with the recommendations to grant Environmental Clearance for establishment of the project namely "Nirwana Heights" having built-up area 59379 sqm in a total land area of 27016 sqm located at village Khanpur, Kharar, SAS Nagar, Mohali (Punjab), as per the details mentioned in the Form 1, 1A, EMP & subsequent presentation /clarifications made by the project proponent and his consultant with, proposed measures and subject to the following conditions:-

#### Additional condition:

The project proponent shall complete the construction of boundary wall near the club house constructed in another project and there shall be no access between these two projects.

**I. Statutory compliance:**

- i) The project proponent shall obtain all necessary clearance/ permission from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.
- ii) The approval of the Competent Authority shall be obtained for structural safety of buildings due to earthquakes, adequacy of firefighting equipment, etc. as per National Building Code including protection measures from lightening, etc.
- iii) The project proponent shall obtain forest clearance under the provisions of the Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.
- iv) The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
- v) The project proponent shall obtain Consent to Establish / Operate under the provisions of the Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board / Committee.
- vi) The project proponent shall obtain the necessary permission for drawl of ground water/ surface water required for the project from the competent authority.
- vii) A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained.
- viii) All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department shall be obtained, as applicable, by project proponents from the respective competent authorities.
- ix) The provisions of the Solid Waste (Management) Rules, 2016, E-Waste (Management) Rules, 2016, Construction & Demolition Waste Rules, 2016 and the Plastics Waste (Management) Rules, 2016 shall be followed.
- x) The project proponent shall follow the ECBC/ECBC-R prescribed by Bureau of Energy Efficiency, Ministry of Power strictly.
- xi) The project site shall conform to the suitability as prescribed under the provisions laid down under the master plan of respective city/ town. For that, the project proponent shall either to submit the NOC/ land use conformity certificate from Deptt. of Town and Country Planning or other concerned Authority under whom jurisdiction, the site falls.
- xii) Besides above, the project proponent shall also comply with siting criteria / guidelines, standard operating practices, code of practice and guidelines if any prescribed by the SPCB/CPCB/MoEF&CC for such type of projects.

- xiii) The project proponent shall get the layout plans approved from the Competent Authority for the activities / establishments to be set up at project site in consonance of the project proposal for which this environment clearance is applied.

## **II. Air quality monitoring and preservation**

- i) Notification GSR 94(E) dated 25.01.2018 of MoEF&CC regarding Mandatory Implementation of Dust Mitigation Measures for Construction and Demolition Activities for projects requiring Environmental Clearance shall be complied with.
- ii) A management plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site.
- iii) The project proponent shall install system to carryout Ambient Air Quality monitoring for common /criterion parameters relevant-to the main pollutants released (e.g. PM10 and PM2.5) covering upwind and downwind directions during the construction period.
- iv) Diesel power generating sets proposed as source of backup power should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use of low sulphur diesel. The location of the DG sets may be decided with in consultation with State Pollution Control Board.
- v) Construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, continuous dust/ wind breaking walls all around the site (at least 3m height or 1/3rd of the building height and maximum upto 10m). Plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, murrum and other construction materials prone to causing dust pollution at the site as well as taking out debris from the site.
- vi) No Excavation of soil shall be carried out without adequate dust mitigation measures in place.
- vii) No loose soil or sand or construction & demolition waste or any other construction material that causes dust shall be left uncovered.
- viii) No uncovered vehicles carrying construction material and waste shall be permitted
- ix) All the topsoil excavated during construction activities should be stored for use in horticulture / landscape development within the project site.
- x) Grinding and Cutting of building material in open area shall be prohibited. Wet jet shall be provided for grinding and stone cutting.



- xi) Unpaved surfaces and loose soil shall be adequately sprinkled with water to suppress dust.
- xii) All construction and demolition debris shall be stored at the site within earmarked area and road side storage of construction material and waste shall be prohibited. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules 2016.
- xiii) The diesel generator sets to be used during construction phase shall be low sulphur diesel type and shall conform to Environmental (Protection) prescribed for air and noise emission standards.
- xiv) The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. Low sulphur diesel shall be used. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.
- xv) For indoor air quality the ventilation provisions as per National Building Code of India.
- xvi) Roads leading to or at construction site must be paved and blacktopped (i.e. metallic road)
- xvii) Dust Mitigation measures shall be displayed prominently at the construction site for easy public viewing.
- xviii) Construction and Demolition Waste Processing and Disposal site shall be identified and required dust mitigation measure be notified at the site.

### **III. Water quality monitoring and preservation**

- i) The natural drain system should be maintained for ensuring unrestricted flow of water.
- ii) No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape, and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rain water.
- iii) Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.
- iv) The total water requirement for the project will be 334 KL/day, out of which fresh water demand of 224 KL /day shall be met through groundwater and remaining through recycling of treated waste water from their own STP. Total fresh water use shall not exceed the proposed requirement as provided in the project details.
- iv) a)The total wastewater generation from the project will be 267 KL/day, which will be treated in STP to be installed within the project premises. As proposed, reuse of treated wastewater shall be as under:-

Sr. No.	Season	For Flushing	Green Area (KLD)	MC Sewer KLD
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		<b>purposes (KLD)</b>		
1.	Summer	110	26	131
2.	Winter	110	07	150
3.	Rainy	110	03	154

- b) Storage tank of adequate capacity shall be provided for the storage of treated wastewater and all efforts shall be made to supply the same for construction purposes.
- c) During construction phase, the project proponent shall ensure that the waste water being generated from the labour quarters/toilets shall be treated and disposed in environment friendly manner. The project proponent shall also exercise the option of modular bio-toilets or will provide proper and adequately design septic tanks for the treatment of such waste water and treated effluents shall be utilized for green area/plantation
- vi) The project proponent shall ensure safe drinking water supply to the habitants. Adequate treatment facility for drinking water shall be provided, if required.
- vii) The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with six monthly Monitoring reports.
- viii) A certificate shall be obtained from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed, the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for ground water and surface water sources, ensuring that there is no impact on other users.
- ix) At least 20% of the open spaces as required by the local building bye-Laws shall be pervious. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as pervious surface.
- x) Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc and other for supply of recycled water for flushing, landscape irrigation, car washing, thermal cooling, conditioning etc. shall be done.
- xi) The respective project proponent shall discourage the installation of R.O. plants in their projects in order to save the wastage in form of RO reject. However, in case the requirement of installing RO plant is utmost necessary then the rejected stream from the RO shall be separated and shall be utilized by storing the same within the particular component i.e. (Tower/Mall) or in a common place in the project premises.
- xii) The project proponent shall also adopt the new/innovating technologies like less water discharging taps (faucet with aerators)/urinals with electronic sensor

system /water less urinals / twin flush cisterns/ sensor based alarming system for overhead water storage tanks and make it a part of the environmental management plans / building plans so as to reduce the water consumption/ground water abstraction in their Building Construction & Industrial projects.

- xiii) The project proponent will provide plumbing system for reuse of treated wastewater for flushing/ HVAC/ other purposes etc. and colour coding of different pipe lines carrying water/wastewater from different sources / treated wastewater as follows:

Sr. No	Nature of the Stream	Color code
a)	Fresh water	Blue
b)	Untreated wastewater from Toilets/ urinal & from Kitchen	Black
c)	Untreated wastewater from Bathing/shower area, hand washing (Washbasin / sinks) and from Cloth Washing	Grey
d)	Reject water streams from RO plants & AC condensate (this is to be implemented wherever centralized AC system and common RO has been proposed in the Project). Further, in case of individual houses/establishment this proposal may also be implemented wherever possible.	White
e)	Treated wastewater (for reuse only for plantation purposes) from the STP treating black water	Green
f)	Treated wastewater (for reuse for flushing purposes or any other activity except plantation) from the STP treating grey water	Green with strips
g)	Storm water	Orange

- xiv) Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
- xv) The CGWA provisions on rain water harvesting should be followed. A rain water harvesting plan needs to be designed where the recharge bores of minimum one recharge bore per 5,000 square meters of built-up area and storage capacity of minimum one day of total fresh water requirement shall be provided. In areas where ground water recharge is not feasible, the rain water should be harvested and stored for reuse. As per the proposal submitted by the project proponent 4 no. rain water harvesting recharge pits /storage tanks shall be provided for ground water recharging as per the CGWB norms. The ground water shall not be withdrawn without approval from the Competent Authority.
- xvi) All recharge should be limited to shallow aquifer.
- xvii) No ground water shall be used during construction phase of the project. Only treated sewage/wastewater shall be used. A proper record in this regard should be maintained and available at site.

- xviii) Any ground water dewatering should be properly managed and shall conform to the approvals and the guidelines of the CGWA in the matter. Formal approval shall be taken from the CGWA for any ground water abstraction or dewatering.
- xix) The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with six monthly Monitoring reports.
- xx) Sewage shall be treated in the STP with tertiary treatment. STP shall be installed in a phased manner viz a viz in the module system designed in such a way so as to efficiently treat the wastewater with an increase in its quantity due to rise in occupancy. The treated effluent from STP shall be recycled/reused for flushing, AC make up water and gardening. No treated water shall be disposed of into the municipal storm water drain.
- xxi) No sewage or untreated effluent water would be discharged through storm water drains. Onsite sewage treatment of capacity of treating 100% waste water to be installed. The installation of the Sewage Treatment Plant (STP) shall be certified by an independent expert and a report in this regard shall be submitted to the Ministry before the project is commissioned for operation. Treated waste water shall be reused on-site for landscape, flushing, cooling tower, and other end-uses. Excess treated water shall be discharged as per statutory norms notified by the Ministry of Environment, Forest and Climate Change. Natural treatment systems shall be promoted.
- xxii) Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odour problem from STP.
- xxiii) Sludge from the onsite sewage treatment, including septic tanks, shall be collected, conveyed and disposed as per the Ministry of Urban Development, Central Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.

#### **IV. Noise monitoring and prevention**

- i) Ambient noise levels shall conform to residential area/commercial area/industrial area/silence zone both during day and night as per Noise Pollution (Control and Regulation) Rules, 2000. Incremental pollution loads on the ambient air and noise quality shall be closely monitored during construction phase. Adequate measures shall be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/SPCB.
- ii) Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.

- iii) Acoustic enclosures for DG sets, noise barriers for ground-run bays, ear plugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.

**V. Energy Conservation measures**

- i) Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured. Buildings in the States which have notified their own ECBC, shall comply with the State ECBC.
- ii) Outdoor and common area lighting shall be LED.
- iii) Concept of passive solar design that minimize energy consumption in buildings by using design elements, such as building orientation, landscaping, efficient building envelope, appropriate fenestration, increased. day lighting design and thermal mass etc. shall be incorporated in the building design. Wall, window, and roof u-values shall be as per ECBC specifications.
- iv) Energy conservation measures like installation of LEDs for the lighting the area outside the building should be integral part of the project design and should be in place before project commissioning.
- v) Solar, wind or other Renewable Energy shall be installed to meet electricity generation equivalent to 1 % of the demand load or as per the state level/ local building bye-laws requirement, whichever is higher.
- vi) Solar power by utilizing at least 30% of the roof top area shall be used for lighting in the apartment to reduce the power load on grid. Separate electric meter shall be installed for solar power. Solar water heating shall be provided to meet 20% of the hot water demand of the commercial and institutional building or as per the requirement of the local building bye-laws, whichever is higher. Residential buildings are also recommended to meet its hot water demand from solar water heaters, as far as possible.

**VI. Waste Management**

- i) A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from project shall be obtained.
- ii) Disposal of muck during construction phase shall not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
- iii) Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste shall be segregated into wet garbage and inert materials.

- iv) Organic waste compost/ Vermiculture pit/ Organic Waste Converter within the premises with a minimum capacity of 0.3 kg /person/day must be installed for treatment and disposal of the waste.
- v) All non-biodegradable waste shall be handed over to authorized recyclers for which a written tie up must be done with the authorized recyclers.
- vi) Any hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.
- vii) Use of environment friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction material quantity. These include Fly Ash bricks, hollow bricks, AACs, Fly Ash Lime Gypsum blocks, Compressed earth blocks, and other environment friendly materials.
- viii) Fly ash should be used as building material in the construction as per the provision of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003 and 25th January, 2016. Ready mixed concrete must be used in building construction.
- ix) Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Rules, 2016.
- x) Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/ rules of the regulatory authority to avoid mercury contamination.

## **VII. Green Cover**

- i) No tree can be felled/transplant unless exigencies demand. Where absolutely necessary, tree felling shall be with prior permission from the concerned regulatory authority. Old trees should be retained based on girth and age regulations as may be prescribed by the Forest Department. Plantations to be ensured species (cut) to species (planted).
- ii) At least single line plantation all around the boundary of the project as proposed shall be provided. The open spaces inside the plot should be suitably landscaped and covered with vegetation of indigenous species/variety. A minimum of one tree for every 80 sqm (@ **338 trees** of native varieties) of total project land should be planted and maintained. The existing trees will be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping. The plantation should be provided as per SEIAA guidelines.
- iii) Where the trees need to be cut with prior permission from the concerned local Authority, compensatory plantation in the ratio of 1: 10 (i.e. planting

of 10 trees for every 1 tree that is cut) shall be done and maintained. Plantations to be ensured species (cut) to species (planted). Area for green belt development shall be provided as per the details provided in the project document.

- iv) Topsoil should be stripped to a depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stockpiled appropriately in designated areas and reapplied during plantation of the proposed vegetation on site.
- v) The project proponent shall not use any chemical fertilizer /pesticides /insecticides and shall use only Herbal pesticides/insecticides and organic manure in the green area.
- vi) The green belt along the periphery of the plot shall achieve attenuation factor conforming to the day and night noise standards prescribed for residential land use.

### **VIII. Transport**

- i) A comprehensive mobility plan, as per MoUD best practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public, and private networks. Road should be designed with due consideration for environment, and safety of users. The road system can be designed with these basic criteria.
  - a) Hierarchy of roads with proper segregation of vehicular and pedestrian traffic.
  - b) Traffic calming measures.
  - c) Proper design of entry and exit points.
  - d) Parking norms as per local regulation.
- ii) Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards be operated only during non-peak hours.
- iii) A detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 05 kms radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D./ competent authority for road augmentation and shall also have their consent to the implementation of

components of the plan which involve the participation of these departments.

- iv) Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Parking should be fully internalized and no public space should be utilized.

**IX. Human health issues**

- i) All workers working at the construction site and involved in loading, unloading, carriage of construction material and construction debris or working in any area with dust pollution shall be provided with dust mask.
- ii) For indoor air quality the ventilation provisions as per National Building Code of India.
- iii) Emergency preparedness plan based on the Hazard identification and Risk Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
- iv) Occupational health surveillance of the workers shall be done on a regular basis.
- v) A First Aid Room shall be provided in the project both during construction and operations of the project.

**X. Corporate Environment Responsibility**

- i) The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility. The project proponent shall adhere to the commitments made in the proposal for CER activities for spending at least a minimum amount of Rs. 42 lacs will be spent under CER activities for providing waste water treatment of village pond (to be provided by the Department of Rural Developments and Panchayats, Govt. of Punjab), as per the design evolved by Punjab Pollution control Board.
- ii) The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.



- iii) A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
- iv) Action plan for implementing EMP and environmental conditions along with the responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year-wise funds earmarked for environmental protection measures shall be kept in separate accounts and not to be diverted for any other purpose. The project proponent shall spend the minimum amount of Rs 140.50 Lacs towards the capital cost and Rs 13.90 Lacs/annum towards recurring cost in the construction phase of the project including the environmental monitoring cost and shall spend the minimum amount of Rs 17.40 Lacs/annum towards the recurring cost in operation phase of the project including the environmental monitoring cost. The entire cost of the environmental management plan will continue to be borne by the project proponent until the responsibility of the environmental management plan is transferred to the occupier/residents society under proper MOU under intimation to SEIAA, Punjab. Year-wise progress of implementation of the action plan shall be reported to the Ministry/Regional Office along with the Six-monthly Compliance Report.

**XI. Validity**

- i) This environmental clearance will be valid for a period of seven years from the date of its issue or till the completion of the project, whichever is earlier.

**XII. Miscellaneous**

- i) The project proponent before allowing any occupancy shall obtain completion and occupancy certificate from the Competent Authority and submit a copy of the same to the SEIAA, Punjab.
- ii) The project proponent shall comply with the conditions of CLU, if obtained.
- iii) The project proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days indicating that the project has been accorded environment clearance and the details of MoEFCC/SEIAA website where it is displayed.
- iv) The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
- v) The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.

- vi) The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at Environment Clearance portal.
- vii) The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
- viii) The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
- ix) The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
- x) The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
- xi) No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
- xii) Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
- xiii) The SEIAA/Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
- xiv) The SEIAA/ Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
- xv) The Regional Office of this Ministry and Punjab Pollution Control Board shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data/ information/monitoring reports.
- xvi) The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.

- xvii) Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

#### **4.0 Deliberations during the 174<sup>th</sup> meeting of SEIAA held on 31.10.2020**

The case was considered by SEIAA in its 174<sup>th</sup> meeting held on 31.10.2020 and was attended by the following on behalf of the project proponent:

- i) Sh. Sumit Goyal, Director and Sh. Deepak Gupta, Environmental Advisor of the promoter company.
- ii) Sh. Sital Singh, EIA Coordinator, M/s CPTL, Mohali, Environmental Consultant of the project proponent.

To a query of SEIAA regarding the existence of 220 KVA electricity line in the khasra Nos. 401 & 402 as reported by PPCB, project proponent informed that no electricity line is passing through these khasra numbers. The layout plan of the proposed project has been approved by M.C. Kharar. SEIAA was not satisfied with the reply of project proponent.

Environmental Consultant further informed that the PPCB has already granted NOC on 27.10.2020, wherein no condition regarding the high tension wire has been imposed.

To this, project proponent submitted an undertaking to the effect that they will not construct any building under the high tension wire. SEIAA took the said undertaking on record and allowed the Environmental Consultant of the promoter company to present the salient features of the project. A copy of the presentation was also submitted which was taken on record.

Further, SEIAA observed that the Chute system has not been proposed in the project for handling the solid waste. To this, Environmental Consultant of the promoter company agreed to provide the same.

During discussions, the representative of the promoter company agreed to comply with fully all the conditions as mentioned by SEAC.

The SEIAA observed that the case stands recommended by SEAC and the Committee has awarded 'Silver Grading' to the project proposal. The SEIAA looked into the details of the case and was satisfied with the same.

After detailed deliberations, SEIAA decided to accept the recommendations of SEAC and grant Environmental Clearance for establishment of the project namely "Nirwana Heights" having built-up area 59379 sqm in a total land area of 27016 sqm located at village Khanpur, Kharar, SAS Nagar, Mohali (Punjab), as per the details mentioned in the Form 1, 1A, EMP & subsequent presentation /clarifications made by the project proponent and his consultant with, proposed measures, and subject to the following additional conditions, as agreed by the project proponent:-

#### **Additional Conditions:**

- i) As per the undertaking, the project proponent shall not carry out any construction activity under 220 KVA High Tension wires. The area under 220 KVA HT lines passing over any part of the project, if any, shall be kept green in the form of a park.
- ii) Chute system, separate wet & drybins at ground level and for common areas for facilitating segregation of waste, collection centre and mechanical composter (with minimum capacity of 0.3kg/tenement/day) shall be provided for proper collection, handling, storage, segregation, treatment and disposal of solid waste.

**Item No 174.02: Application for obtaining Environmental Clearance under EIA notification dated 14.09.2006 for the establishment of Group Housing project namely "Amayra Luxury One" located at village- Khanpur, Kharar, SAS Nagar, (Punjab) (SIA/PB/MIS/153867/2020).**

### **1.0 Background**

The project proponent has filed an application for obtaining Environment Clearance under EIA notification, 2006 for establishment of Group Housing project namely "Amayra Luxury One" located at village- Khanpur, Kharar, SAS Nagar. Project is covered under Activity 8(a) & Category 'B2' as per EIA notification-2006.

The project proponent submitted the Form I, 1A and other additional documents. They have also deposited the processing fee amounting to Rs. 58,208/- through NEFT (Fee has been submitted through with UTR no.000108479191 Dated 20.05.2020).

The application was scrutinized & Essential Details were sought dated 01.07.2020, 03.08.2020 and 13.10.2020, to which project proponent replied.

### **2.0 Deliberations during the 195<sup>th</sup> meeting of SEAC held on 24.10.2020**

The case was considered by SEAC in its 195<sup>th</sup> meeting held on 24.10.2020 and was attended by the following on behalf of the project proponent:

- i) Sh. Tejinder Pal, Director and Sh. Deepak Gupta, Environmental Advisor.
- ii) Sh. Sital Singh, EIA Coordinator, M/s CPTL, Mohali, Environmental Consultant of the project proponent.

SEAC was apprised that PPCB vide vide letter no. 4163 dated 22.10.2020, wherein it has been reported that the site of the subject cited project was visited by AEE of Regional Office, SAS Nagar on 17/10/2020 and the status is as under: -

1. The project is situated at village Khanpur, Kharar. The project proponent has mentioned in the Form-1 the proposed location of the project site at khasra nos. 442/2,443/2,444,445,446,1589/447 located in the revenue estate of village Khanpur, Kharar, Dist. SAS Nagar, and a perusal of the revenue based master plan of Kharar available on the official website of Punjab Urban Development Authority i.e.

www.puda.gov.in reveals that, Khasra no. 442, 446 & 447 falls partly under residential use and partly under road area & designated park zone. Further, the Khasra no. 443 and 445 falls partly under residential use & partly under designated park zone and Khasra no. 444 falls under residential use zone.

2. As per the boundary limits site shown by the representative of the project promoter during the visit, there is no MAH industry within a radius of 250 m from the boundary of the proposed site of the project. Further, there is no cement plant/ grinding unit/ rice sheller/ saila plant/ stone crushing/ screening cum washing unit/ hot mix plant/ brick kiln within a radius of 500 m from the boundary of the proposed site of the project. However, there is one air polluting industry namely M/s Punjab Pesticides Industrial Co-Operative Society Ltd. existing within 100 m radius from the project site. The boundary to boundary distance from the project site to the industry was physically measured to be 44 m. The Project area being upcoming residential cum commercial area, there are many residential and commercial project within the 500 m boundary of the project. Therefore, the site of the project is required to provide green belt measuring 15 meter of broad leaf trees towards the existing industry as per the guidelines laid down by the Govt. of Punjab, Department of Science Technology and Environment vide order dated 25/07/2008 as amended on 30/10/2009.
3. The project promoter has not carried out any construction at site, and the project site is currently vacant, however, temporary structure like labour huts and material store has been provided on the site of proposed project. It is pertinent to mention here that the project proponent has constructed boundary on all sides of the project site except the boundary facing Block – C and the 200' Wide public road (as per the proposed site plan submitted). This boundary is covered by commercial complex consisting of showrooms, which were under construction. The said commercial complex is located between the Block – C and the 200' Wide public road. The representative of the promoter company informed during the conduct of visit that this commercial is not part of the proposed project and separate building plans have been got approved from the competent authority for the same. Further, necessary clarification regarding the status/ ownership of the commercial complex in front of the proposed project site be sought from the concerned competent authority

SEAC observed that the project proponent has not carried out any construction activity. Thereafter, SEAC allowed the Project proponent to present the salient features of the project and the Environmental Consultant of the same presented as under:

<b>Sr.No.</b>	<b>Item</b>	<b>Details</b>
1.	Online Proposal No.	SIA/PB/MIS/153867/2020
2.	Name and Location of the project	"Amayra luxury One" located at village- Khanpur, Kharar.
3.	Latitude & Longitude	30°46'03.36"N,76°37'36.66"E 30°46'05.25"N,76°37'40.56"E 30°46'58.66"N,76°37'42.72"E 30°46'58.11"N,76°37'40.68"E
4.	Project/activity covered under item of scheduled to the EIA Notification, 14.09.2006	8 (a)

5.	Whether the project is in critical polluted area or not.	None
6.	If the project involves diversion of forest land. If yes, a) Extent of the forest land. b) Status of the forest clearance.	No
7.	a) Is the project covered under PLPA,1900, if No but located near to PLPA area then the project proponent is required to submit NOC from the concerned DFO to the effect that project area does not fall under the provision of PLPA Act, 1900. b) Is the project covered under PLPA, 1900, if yes then Status of the NOC w.r.t PLPA,1900.	No
8.	If the project falls within 10 km of ecosensitive area/ National park/Wild Life Sanctuary. If yes, a) Name of ecosensitive area/ National park/Wild Life Sanctuary and distance from the project site. b) Status of clearance from National Board for Wild Life (NBWL).	No  No  No
9.	Classification/Land use pattern as per Master Plan	Residential,
10.	Cost of the project	28 cr

11.	Total Plot area, Built up Area and Green area	FOR NEW PROJECTS:						
		"Table A"						
		Land		9991Sqm				
		Built-up area		29104 Sqm				
		Green area		2257 SQM				
Flats & shops		210 flats & 5 shops						
12.	Population (when fully operational)	1060						
13.	Water Requirements & source in Construction Phase	5-10 KLD met by STP Kharar						
14.	Break up of Water Requirements & source in Operation Phase (Summer, Rainy, Winter):							
	Sr. No.	Season	Fresh Water		Reuse water			
			Domestic	Fresh water) KLD	For Flushing purposes KLD	Green Area KLD	HVAC If any KLD	
	1	Summer	142	95	47	12	--	
	2	Winter	142	95	47	4		
3	Rainy	142	95	47	1			
15.	Source of Water	<ul style="list-style-type: none"> <li>Treated waste water will be used during construction stage of the project. ( From STP of M.C )</li> <li>Recirculation of sewerage effluent.</li> </ul>						
16.	Treatment & Disposal arrangements of waste water in Construction Phase	Septic Tank of capacity 10 KLD and disposal in to green area						
17.	Disposal Arrangement of Waste water in Operation Phase	Total =114 KLD, which will be treated in the STP of capacity 175 KLD to be installed in the project premises.						
		Sr.No.	Season	For Flushing purposes (KLD)	Green Area sqm (KLD)	MC Sewer if any (KLD)		
		1.	Summer	47	12	43		
		2.	Winter	47	4	51		
		3.	Rainy	47	1	54		
18.	Rain water recharging detail	4561 m3/year rain water will be collected and/or 3 no. of recharging pits will be provided to recharge the rooftop rainwater of buildings after treatment through oil & Grease traps						
19.	Solid waste generation and its disposal	a) 422 kg/day b) Solid wastes will be appropriately segregated (at source. by providing bins) into recyclable, Bio-degradable Components, and non- biodegradable.						

20	Hazardous Waste & E-Waste	<p>1) Cat 5.1 Qty 25 ltr. 2) Any other Category</p> <p>Used oil from DG sets will be sold to registered recyclers and E-waste will be disposed off as per the E-waste (Management) Amendment Rules, 2018.</p>									
21	Energy Requirements & Saving	<p>a) 1150 KW from PSPCL. b) 1x 240 KVA &amp; 2x 125 KVA</p> <p>Energy Saving measures:</p> <ul style="list-style-type: none"> <li>• Solar Light 10 No = 15 KWHD</li> <li>• Common area (150) light bulbs replaced with LED = 81 KWHD</li> <li>• Total Energy saved/day 15+81 = 96 KWHD</li> </ul>									
22	Environment Management Plan along with Budgetary break up phase wise and responsibility to implement	<p>During construction phase GM will be responsible and during operation phase, GM Will be responsible for implementation of the EMP.</p> <table border="1"> <thead> <tr> <th>Description</th> <th>Capital Cost (Rs)</th> <th>recuring Cost (Rs)</th> </tr> </thead> <tbody> <tr> <td>Construction</td> <td>104.50 lac</td> <td>12.40</td> </tr> <tr> <td>Operation</td> <td></td> <td>17.40</td> </tr> </tbody> </table>	Description	Capital Cost (Rs)	recuring Cost (Rs)	Construction	104.50 lac	12.40	Operation		17.40
Description	Capital Cost (Rs)	recuring Cost (Rs)									
Construction	104.50 lac	12.40									
Operation		17.40									
23	CER activities along with budgetary break up and responsibility to implement	<p>Director will be responsible for implementation of the CER activities. The details of the various CER activities, fund allocated and its completion schedule are as under:</p> <p>a) Rs 22lacs will be spent under CER activities for providing waste water treatment of village pond (to be provided by the Department of Rural Developments and Panchayats, Govt. of Punjab), as per the design evolved by Punjab Pollution control Board.</p> <p>b) The implementation of the CSR will be responsibility of Director.</p>									
24	Other important facts (Applicable to EC projects only )	<p>a) Whether all the environmental monitoring parameter are within permissible limits prescribed for such type of projects. (Applicable to EC projects) yes</p> <p>b) The MC, has issued the certificate vide letter no.259 dated 24/02/2020 to the effect that the sewer work in the area is under progress and after paying the requisite fee MC Kharar has no objection if the Project Proponent can connect its sewer.</p> <p>c) The MC Kharar has issued certificate vide letter no 260 dated 24/02/2020.</p>									



SEAC was satisfied with the presentation submitted by the project proponent and the reply submitted by the project proponent.

After detailed deliberations, SEAC decided to award 'Silver Grading' to the project proposal and to forward the application of the project proponent to SEIAA with the recommendations to grant Environmental Clearance for establishment of the project namely "Amayra Luxury One" having built-up area 29104 sqm in a total land area of 9991 sqm located at village Khanpur, Kharar, SAS Nagar, Mohali (Punjab), as per the details mentioned in the Form 1, 1A, EMP & subsequent presentation /clarifications made by the project proponent and his consultant with, proposed measures, conditions prescribed as under:

**Additional condition:**

The project proponent shall construct the boundary wall to separate the commercial complex from the proposed project and ensure that there will be no access between these projects.

**I. Statutory compliance:**

- i) The project proponent shall obtain all necessary clearance/ permission from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.
- ii) The approval of the Competent Authority shall be obtained for structural safety of buildings due to earthquakes, adequacy of firefighting equipment, etc. as per National Building Code including protection measures from lightening, etc.
- iii) The project proponent shall obtain forest clearance under the provisions of the Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.
- iv) The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
- v) The project proponent shall obtain Consent to Establish / Operate under the provisions of the Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board / Committee.
- vi) The project proponent shall obtain the necessary permission for drawl of ground water/ surface water required for the project from the competent authority.
- vii) A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained.

- viii) All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department shall be obtained, as applicable, by project proponents from the respective competent authorities.
- ix) The provisions of the Solid Waste (Management) Rules, 2016, E-Waste (Management) Rules, 2016, Construction & Demolition Waste Rules, 2016 and the Plastics Waste (Management) Rules, 2016 shall be followed.
- x) The project proponent shall follow the ECBC/ECBC-R prescribed by Bureau of Energy Efficiency, Ministry of Power strictly.
- xi) The project site shall conform to the suitability as prescribed under the provisions laid down under the master plan of respective city/ town. For that, the project proponent shall either to submit the NOC/ land use conformity certificate from Deptt. of Town and Country Planning or other concerned Authority under whom jurisdiction, the site falls.
- xii) Besides above, the project proponent shall also comply with siting criteria / guidelines, standard operating practices, code of practice and guidelines if any prescribed by the SPCB/CPCB/MoEF&CC for such type of projects.
- xiii) The project proponent shall get the layout plans approved from the Competent Authority for the activities / establishments to be set up at project site in consonance of the project proposal for which this environment clearance is applied.

## **II. Air quality monitoring and preservation**

- i) Notification GSR 94(E) dated 25.01.2018 of MoEF&CC regarding Mandatory Implementation of Dust Mitigation Measures for Construction and Demolition Activities for projects requiring Environmental Clearance shall be complied with.
- ii) A management plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site.
- iii) The project proponent shall install system to carryout Ambient Air Quality monitoring for common /criterion parameters relevant-to the main pollutants released (e.g. PM10 and PM2.5) covering upwind and downwind directions during the construction period.
- iv) Diesel power generating sets proposed as source of backup power should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use of low sulphur diesel. The location of the DG sets may be decided with in consultation with State Pollution Control Board.
- v) Construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include

screens for the building under construction, continuous dust/ wind breaking walls all around the site (at least 3m height or 1/3rd of the building height and maximum upto 10m). Plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, murrum and other construction materials prone to causing dust pollution at the site as well as taking out debris from the site.

- vi) No Excavation of soil shall be carried out without adequate dust mitigation measures in place.
- vii) No loose soil or sand or construction & demolition waste or any other construction material that causes dust shall be left uncovered.
- viii) No uncovered vehicles carrying construction material and waste shall be permitted
- ix) All the topsoil excavated during construction activities should be stored for use in horticulture / landscape development within the project site.
- x) Grinding and Cutting of building material in open area shall be prohibited. Wet jet shall be provided for grinding and stone cutting.
- xi) Unpaved surfaces and loose soil shall be adequately sprinkled with water to suppress dust.
- xii) All construction and demolition debris shall be stored at the site within earmarked area and road side storage of construction material and waste shall be prohibited. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules 2016.
- xiii) The diesel generator sets to be used during construction phase shall be low sulphur diesel type and shall conform to Environmental (Protection) prescribed for air and noise emission standards.
- xiv) The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. Low sulphur diesel shall be used. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.
- xv) For indoor air quality the ventilation provisions as per National Building Code of India.
- xvi) Roads leading to or at construction site must be paved and blacktopped (i.e. metallic road)
- xvii) Dust Mitigation measures shall be displayed prominently at the construction site for easy public viewing.
- xviii) Construction and Demolition Waste Processing and Disposal site shall be identified and required dust mitigation measure be notified at the site.

### **III. Water quality monitoring and preservation**

- i) The natural drain system should be maintained for ensuring unrestricted flow of water.
- ii) No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape, and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rain water.
- iii) Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.
- iv) The total water requirement for the project will be 142 KL/day, out of which fresh water demand of 95 KL /day shall be met through groundwater and remaining through recycling of treated waste water from their own STP. Total fresh water use shall not exceed the proposed requirement as provided in the project details.
- v) a)The total wastewater generation from the project will be 114 KL/day, which will be treated in STP to be installed within the project premises. As proposed, reuse of treated wastewater shall be as under:-

<b>Sr. No.</b>	<b>Season</b>	<b>For Flushing purposes (KLD)</b>	<b>Green Area (KLD)</b>	<b>MC Sewer KLD</b>
1.	Summer	47	12	43
2.	Winter	47	04	51
3.	Rainy	47	01	54

- b) Storage tank of adequate capacity shall be provided for the storage of treated wastewater and all efforts shall be made to supply the same for construction purposes.
- c) During construction phase, the project proponent shall ensure that the waste water being generated from the labour quarters/toilets shall be treated and disposed in environment friendly manner. The project proponent shall also exercise the option of modular bio-toilets or will provide proper and adequately design septic tanks for the treatment of such waste water and treated effluents shall be utilized for green area/plantation
- vi) The project proponent shall ensure safe drinking water supply to the habitants. Adequate treatment facility for drinking water shall be provided, if required.
- vii) The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with six monthly Monitoring reports.
- viii) A certificate shall be obtained from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water

already committed, the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for ground water and surface water sources, ensuring that there is no impact on other users.

- ix) At least 20% of the open spaces as required by the local building bye-Laws shall be pervious. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as pervious surface.
- x) Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc and other for supply of recycled water for flushing, landscape irrigation, car washing, thermal cooling, conditioning etc. shall be done.
- xi) The respective project proponent shall discourage the installation of R.O. plants in their projects in order to save the wastage in form of RO reject. However, in case the requirement of installing RO plant is utmost necessary then the rejected stream from the RO shall be separated and shall be utilized by storing the same within the particular component i.e. (Tower/Mall) or in a common place in the project premises.
- xii) The project proponent shall also adopt the new/innovating technologies like less water discharging taps (faucet with aerators)/urinals with electronic sensor system /water less urinals / twin flush cisterns/ sensor based alarming system for overhead water storage tanks and make it a part of the environmental management plans / building plans so as to reduce the water consumption/ground water abstraction in their Building Construction & Industrial projects.
- xiii) The project proponent will provide plumbing system for reuse of treated wastewater for flushing/ HVAC/ other purposes etc. and colour coding of different pipe lines carrying water/wastewater from different sources / treated wastewater as follows:

Sr. No	Nature of the Stream	Color code
a)	Fresh water	Blue
b)	Untreated wastewater from Toilets/ urinal & from Kitchen	Black
c)	Untreated wastewater from Bathing/shower area, hand washing (Washbasin / sinks) and from Cloth Washing	Grey
d)	Reject water streams from RO plants & AC condensate (this is to be implemented wherever centralized AC system and common RO has been proposed in the Project). Further, in case of individual houses/establishment this proposal may also be implemented wherever possible.	White
e)	Treated wastewater (for reuse only for plantation purposes) from the STP treating black water	Green

f)	Treated wastewater (for reuse for flushing purposes or any other activity except plantation) from the STP treating grey water	Green with strips
g)	Storm water	Orange

- xiv) Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
- xv) The CGWA provisions on rain water harvesting should be followed. A rain water harvesting plan needs to be designed where the recharge bores of minimum one recharge bore per 5,000 square meters of built-up area and storage capacity of minimum one day of total fresh water requirement shall be provided. In areas where ground water recharge is not feasible, the rain water should be harvested and stored for reuse. As per the proposal submitted by the project proponent 4 no. rain water harvesting recharge pits /storage tanks shall be provided for ground water recharging as per the CGWB norms. The ground water shall not be withdrawn without approval from the Competent Authority.
- xvi) All recharge should be limited to shallow aquifer.
- xvii) No ground water shall be used during construction phase of the project. Only treated sewage/wastewater shall be used. A proper record in this regard should be maintained and available at site.
- xviii) Any ground water dewatering should be properly managed and shall conform to the approvals and the guidelines of the CGWA in the matter. Formal approval shall be taken from the CGWA for any ground water abstraction or dewatering.
- xix) The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with six monthly Monitoring reports.
- xx) Sewage shall be treated in the STP with tertiary treatment. STP shall be installed in a phased manner viz a viz in the module system designed in such a way so as to efficiently treat the wastewater with an increase in its quantity due to rise in occupancy. The treated effluent from STP shall be recycled/reused for flushing, AC make up water and gardening. No treated water shall be disposed of into the municipal storm water drain.
- xxi) No sewage or untreated effluent water would be discharged through storm water drains. Onsite sewage treatment of capacity of treating 100% waste water to be installed. The installation of the Sewage Treatment Plant (STP) shall be certified by an independent expert and a report in this regard shall be submitted to the Ministry before the project is commissioned for operation. Treated waste water shall be reused on-site for landscape, flushing, cooling tower, and other end-uses. Excess treated water shall be

discharged as per statutory norms notified by the Ministry of Environment, Forest and Climate Change. Natural treatment systems shall be promoted.

- xxii) Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odour problem from STP.
- xxiii) Sludge from the onsite sewage treatment, including septic tanks, shall be collected, conveyed and disposed as per the Ministry of Urban Development, Central Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.

#### **IV. Noise monitoring and prevention**

- i) Ambient noise levels shall conform to residential area/commercial area/industrial area/silence zone both during day and night as per Noise Pollution (Control and Regulation) Rules, 2000. Incremental pollution loads on the ambient air and noise quality shall be closely monitored during construction phase. Adequate measures shall be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/SPCB.
- ii) Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
- iii) Acoustic enclosures for DG sets, noise barriers for ground-run bays, ear plugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.

#### **V. Energy Conservation measures**

- i) Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured. Buildings in the States which have notified their own ECBC, shall comply with the State ECBC.
- ii) Outdoor and common area lighting shall be LED.
- iii) Concept of passive solar design that minimize energy consumption in buildings by using design elements, such as building orientation, landscaping, efficient building envelope, appropriate fenestration, increased. day lighting design and thermal mass etc. shall be incorporated in the building design. Wall, window, and roof u-values shall be as per ECBC specifications.
- iv) Energy conservation measures like installation of LEDs for the lighting the area outside the building should be integral part of the project design and should be in place before project commissioning.
- v) Solar, wind or other Renewable Energy shall be installed to meet electricity generation equivalent to 1 % of the demand load or as per the state level/ local building bye-laws requirement, whichever is higher.

- vi) Solar power by utilizing at least 30% of the roof top area shall be used for lighting in the apartment to reduce the power load on grid. Separate electric meter shall be installed for solar power. Solar water heating shall be provided to meet 20% of the hot water demand of the commercial and institutional building or as per the requirement of the local building bye-laws, whichever is higher. Residential buildings are also recommended to meet its hot water demand from solar water heaters, as far as possible.

## **VI. Waste Management**

- i) A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from project shall be obtained.
- ii) Disposal of muck during construction phase shall not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
- iii) Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste shall be segregated into wet garbage and inert materials.
- iv) Organic waste compost/ Vermiculture pit/ Organic Waste Converter within the premises with a minimum capacity of 0.3 kg /person/day must be installed for treatment and disposal of the waste.
- v) All non-biodegradable waste shall be handed over to authorized recyclers for which a written tie up must be done with the authorized recyclers.
- vi) Any hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.
- vii) Use of environment friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction material quantity. These include Fly Ash bricks, hollow bricks, AACs, Fly Ash Lime Gypsum blocks, Compressed earth blocks, and other environment friendly materials.
- viii) Fly ash should be used as building material in the construction as per the provision of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003 and 25th January, 2016. Ready mixed concrete must be used in building construction.
- ix) Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Rules, 2016.
- x) Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/ rules of the regulatory authority to avoid mercury contamination.



**VII. Green Cover**

- i) No tree can be felled/transplant unless exigencies demand. Where absolutely necessary, tree felling shall be with prior permission from the concerned regulatory authority. Old trees should be retained based on girth and age regulations as may be prescribed by the Forest Department. Plantations to be ensured species (cut) to species (planted).
- ii) At least single line plantation all around the boundary of the project as proposed shall be provided. The open spaces inside the plot should be suitably landscaped and covered with vegetation of indigenous species/variety. A minimum of one tree for every 80 sqm (@ **364 trees** of native varieties) of total project land should be planted and maintained. The existing trees will be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping. The plantation should be provided as per SEIAA guidelines.
- iii) Where the trees need to be cut with prior permission from the concerned local Authority, compensatory plantation in the ratio of 1: 10 (i.e. planting of 10 trees for every 1 tree that is cut) shall be done and maintained. Plantations to be ensured species (cut) to species (planted). Area for green belt development shall be provided as per the details provided in the project document.
- iv) Topsoil should be stripped to a depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stockpiled appropriately in designated areas and reapplied during plantation of the proposed vegetation on site.
- v) The project proponent shall not use any chemical fertilizer /pesticides /insecticides and shall use only Herbal pesticides/insecticides and organic manure in the green area.
- vi) The green belt along the periphery of the plot shall achieve attenuation factor conforming to the day and night noise standards prescribed for residential land use.

**VIII. Transport**

- i) A comprehensive mobility plan, as per MoUD best practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public, and private networks. Road should be designed with due consideration for environment, and safety of users. The road system can be designed with these basic criteria.
  - a) Hierarchy of roads with proper segregation of vehicular and pedestrian traffic.
  - b) Traffic calming measures.

- c) Proper design of entry and exit points.
- d) Parking norms as per local regulation.
- ii) Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards be operated only during non-peak hours.
- iii) A detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 05 kms radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D./ competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.
- iv) Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Parking should be fully internalized and no public space should be utilized.

**IX. Human health issues**

- i) All workers working at the construction site and involved in loading, unloading, carriage of construction material and construction debris or working in any area with dust pollution shall be provided with dust mask.
- ii) For indoor air quality the ventilation provisions as per National Building Code of India.
- iii) Emergency preparedness plan based on the Hazard identification and Risk Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
- iv) Occupational health surveillance of the workers shall be done on a regular basis.
- v) A First Aid Room shall be provided in the project both during construction and operations of the project.

**X. Corporate Environment Responsibility**

- i) The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1st May 2018, as

applicable, regarding Corporate Environment Responsibility. The project proponent shall adhere to the commitments made in the proposal for CER activities for spending at least a minimum amount of Rs. 22 lacs will be spent under CER activities for providing waste water treatment of village pond (to be provided by the Department of Rural Developments and Panchayats, Govt. of Punjab), as per the design evolved by Punjab Pollution control Board.

- ii) The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
- iii) A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
- iv) Action plan for implementing EMP and environmental conditions along with the responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year-wise funds earmarked for environmental protection measures shall be kept in separate accounts and not to be diverted for any other purpose. The project proponent shall spend the minimum amount of Rs 104.50 Lacs towards the capital cost and Rs 12.40 Lacs/annum towards recurring cost in the construction phase of the project including the environmental monitoring cost and shall spend the minimum amount of Rs 17.40 Lacs/annum towards the recurring cost in operation phase of the project including the environmental monitoring cost. The entire cost of the environmental management plan will continue to be borne by the project proponent until the responsibility of the environmental management plan is transferred to the occupier/residents society under proper MOU under intimation to SEIAA, Punjab. Year-wise progress of implementation of the action plan shall be reported to the Ministry/Regional Office along with the Six-monthly Compliance Report.

#### **XI. Validity**

- i) This environmental clearance will be valid for a period of seven years from the date of its issue or till the completion of the project, whichever is earlier.

#### **XII. Miscellaneous**

- i) The project proponent before allowing any occupancy shall obtain completion and occupancy certificate from the Competent Authority and submit a copy of the same to the SEIAA, Punjab.
- ii) The project proponent shall comply with the conditions of CLU, if obtained.
- iii) The project proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days indicating that the project has been accorded environment clearance and the details of MoEFCC/SEIAA website where it is displayed.
- iv) The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
- v) The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
- vi) The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at Environment Clearance portal.
- vii) The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
- viii) The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
- ix) The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
- x) The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
- xi) No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
- xii) Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
- xiii) The SEIAA/Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.

- xiv) The SEIAA/ Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
- xv) The Regional Office of this Ministry and Punjab Pollution Control Board shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data/ information/monitoring reports.
- xvi) The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.
- xvii) Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

### **3.0 Deliberations during the 174<sup>th</sup> meeting of SEIAA held on 31.10.2020**

The case was considered by SEIAA in its 174<sup>th</sup> meeting held on 31.10.2020 and was attended by the following on behalf of the project proponent:

- i) Sh. Tejinder Pal, Director and Sh. Deepak Gupta, Environmental Advisor of the promoter company.
- ii) Sh. Sital Singh, EIA Coordinator, M/s CPTL, Mohali, Environmental Consultant of the project proponent.

Environmental consultant of the promoter company presented the salient features of the project before SEIAA. A copy of the presentation was also submitted which was taken on record.

To a query of SEIAA regarding Chute system, Environmental Consultant of the promoter company informed that the same shall be provided.

During discussions, the representative of the promoter company agreed to comply with fully all the conditions as mentioned by SEAC.

The SEIAA observed that the case stands recommended by SEAC and the Committee has awarded 'Silver Grading' to the project proposal. The SEIAA looked into the details of the case and was satisfied with the same.

After detailed deliberations, SEIAA decided to accept the recommendations of SEAC and grant Environmental Clearance for the establishment of the project namely "Amayra Luxury One" having built-up area 29104 sqm in a total land area of 9991 sqm located at village Khanpur, Kharar, SAS Nagar, Mohali (Punjab), as per the details mentioned in the

Form 1, 1A, EMP & subsequent presentation /clarifications made by the project proponent and his consultant with, proposed measures, and subject to the following additional conditions, as agreed by the project proponent:-

**Additional Conditions:**

- i) Chute system, separate wet & drybins at ground level and for common areas for facilitating segregation of waste, collection centre and mechanical composter (with minimum capacity of 0.3kg/tenement/day) shall be provided for proper collection, handling, storage, segregation, treatment and disposal of solid waste.

**Item No 174.03: Application for obtaining Environmental Clearance under EIA notification dated 14.09.2006 for the expansion of a group housing project namely "LA PRISMA" at Dera Bassi, Zirakpur, SAS Nagar Mohali, Punjab by M/s United Builders (SIA/PB/NCP/63304/2017).**

**1.0 Background**

Facts of the case are as under: -

Earlier the project proponent was granted Environmental Clearance for establishment of a group housing project namely "LA PRISMA" at Dera Bassi, Zirakpur, SAS Nagar Mohali, Punjab vide no. SEIAA/2017/477 dated 03.05.2017. The said EC was granted for total plot area 18937 sqm and total built up area 39529 sqm.

Now the project proponent for obtaining expansion in the Environmental Clearance granted earlier. After expansion, the built up area will increase by 1175 sqm and the total built up area will become 40704 sqm.

The project proponent submitted the Form I, 1A and other additional documents. They have also deposited the processing fee amounting to Rs. 2,350/- through NEFT no. N172201164690485 Dated 20.06.2020.

**2.0 Deliberations during the 195<sup>th</sup> meeting of SEAC held on 24.10.2020**

The case was considered by SEAC in its 195<sup>th</sup> meeting held on 24.10.2020 and was attended by the following on behalf of the project proponent:

- i) Sh. Shintu Goyal, Director and Sh. Deepak Gupta, Environmental Advisor.
- ii) Sh. Sital Singh, EIA Coordinator, M/s CPTL, Mohali, Environmental Consultant of the project proponent.

The details of the project as given in Form 1, Form 1A, conceptual layout plan and other additional documents are as under:

Sr.No.	Item	Details			
1.	Online Proposal No.	<b>SIA/PB/NCP/63304/2017</b>			
2.	Name and Location of the project	"La-Prisma" located at Zirakpur.			
3.	Latitude & Longitude	30.629444"N, 76.826111"E			
4.	Project/activity covered under item of scheduled to the EIA Notification, 14.09.2006	8 A (Expansion)			
5.	Whether the project is in critical polluted area or not.	None			
6.	If the project involves diversion of forest land. If yes, c) Extent of the forest land. d) Status of the forest clearance.	No			
7.	a) Is the project covered under PLPA,1900, if No but located near to PLPA area then the project proponent is required to submit NOC from the concerned DFO to the effect that project area does not fall under the provision of PLPA Act, 1900. b) Is the project covered under PLPA, 1900, if yes then Status of the NOC w.r.t PLPA,1900.	No			
8.	If the project falls within 10 km of ecosensitive area/ National park/Wild Life Sanctuary. If yes, a) Name of ecosensitive area/ National park/Wild Life Sanctuary and distance from the project site. b) Status of clearance from National Board for Wild Life (NBWL).	No  No			
9.	Classification/Land use pattern as per Master Plan	Residential,			
10.	Cost of the project	Description	OLD	Addition	Total
		Cost of project	38 Cr	1.50 Cr	39.50 Cr
11.	Total Plot area, Built up Area and Green area	"Table A"			
		Description	OLD	Addition	Total
		Land	18937 Sqm	--	18937 Sqm
		Built-up area	39529 Sqm	1175 Sqm	40704 Sqm
		Green area			2670 SQM
12.	Population (when fully operational)	Description	OLD	Addition	Total
		Population	1370	65	1435

13.	Water Requirements & source in Construction Phase	5-10 KLD met by STP Zirakpur																																					
14.	Break up of Water Requirements & source in Operation Phase (Summer, Rainy, Winter):	<table border="1"> <thead> <tr> <th rowspan="2">Sr. No.</th> <th rowspan="2">Season</th> <th colspan="2">Fresh Water</th> <th colspan="3">Reuse water</th> </tr> <tr> <th>Domestic</th> <th>Fresh water) KLD</th> <th>For Flushing purposes KLD</th> <th>Green Area KLD</th> <th>HVAC If any KLD</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Summer</td> <td>287</td> <td>222</td> <td>65</td> <td>15</td> <td>--</td> </tr> <tr> <td>2</td> <td>Winter</td> <td>287</td> <td>222</td> <td>65</td> <td>5</td> <td></td> </tr> <tr> <td>3</td> <td>Rainy</td> <td>287</td> <td>222</td> <td>65</td> <td>0</td> <td></td> </tr> </tbody> </table>					Sr. No.	Season	Fresh Water		Reuse water			Domestic	Fresh water) KLD	For Flushing purposes KLD	Green Area KLD	HVAC If any KLD	1	Summer	287	222	65	15	--	2	Winter	287	222	65	5		3	Rainy	287	222	65	0	
Sr. No.	Season	Fresh Water		Reuse water																																			
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1	Summer	287	222	65	15	--																																	
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3	Rainy	287	222	65	0																																		
15.	Source of Water	<ul style="list-style-type: none"> <li>Treated waste water will be used in the construction ( STP installed with in project)</li> <li>Earlier the permission from the CGWA has been obtained and now revised has been applied.</li> <li>Recirculation of treated water.</li> </ul>																																					
16.	Treatment & Disposal arrangements of waste water in Construction Phase	Septic Tank of capacity 10 KLD Sewer																																					
17.	Disposal Arrangement of Waste water in Operation Phase	<p>Total =230 KLD, which will be treated in the STP of capacity 250 KLD to be installed in the project premises.</p> <table border="1"> <thead> <tr> <th>Sr.No.</th> <th>Season</th> <th>For Flushing purposes (KLD)</th> <th>Green Area sqm (KLD)</th> <th>MC Sewer if any (KLD)</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Summer</td> <td>65</td> <td>15</td> <td>117</td> </tr> <tr> <td>2.</td> <td>Winter</td> <td>65</td> <td>5</td> <td>127</td> </tr> <tr> <td>3.</td> <td>Rainy</td> <td>65</td> <td>0</td> <td>132</td> </tr> </tbody> </table>					Sr.No.	Season	For Flushing purposes (KLD)	Green Area sqm (KLD)	MC Sewer if any (KLD)	1.	Summer	65	15	117	2.	Winter	65	5	127	3.	Rainy	65	0	132													
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1.	Summer	65	15	117																																			
2.	Winter	65	5	127																																			
3.	Rainy	65	0	132																																			
18.	Rain water recharging detail	5845 m3/year rain water will be collected and/or 4 no. of recharging pits will be provided to recharge the rooftop rainwater of buildings after treatment through oil & Grease traps																																					
19.	Solid waste generation and its disposal	a)574 kg/day b) Solid wastes will be appropriately segregated (at source. by providing bins) into recyclable, Bio-degradable Components, and non- biodegradable.																																					
20	Hazardous Waste & EWaste	1) Cat 5.1 Qty 25 ltr. 2) Any other Category																																					



		Used oil from DG sets will be sold to registered recyclers and E-waste will be disposed off as per the E-waste (Management) Amendment Rules, 2018.									
21	Energy Requirements & Saving	<p>a) 1500 KW from PSPCL. b) 2x 240 KVA, 1x125 KVA</p> <p>Saving measures:</p> <ul style="list-style-type: none"> <li>• Solar Light 10 No = 15 KWHD</li> <li>• Common area (300) light bulbs(60W) replaced with LED 15 W = 287 KWHD</li> <li>• Energy Saving @2200 KWH annually with 100 liters solar heated water use/day</li> <li>• Energy Saved for use of 3000 lit hot water/day <math>1000 \times 2200 / 100 = 21450</math> KWH/year = 60KWHD</li> <li>• Total Energy saved/day = 362 KWHD</li> </ul>									
22	Environment Management Plan along with Budgetary break up phase wise and responsibility to implement	<p>During construction phase GM will be responsible and during operation phase, GM Will be responsible for implementation of the EMP.</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Description</th> <th>Capital Cost (Rs)</th> <th>recurring Cost (Rs)</th> </tr> </thead> <tbody> <tr> <td>Construction</td> <td>70.50 lac</td> <td>9.40</td> </tr> <tr> <td>Operation</td> <td></td> <td>16.90</td> </tr> </tbody> </table>	Description	Capital Cost (Rs)	recurring Cost (Rs)	Construction	70.50 lac	9.40	Operation		16.90
Description	Capital Cost (Rs)	recurring Cost (Rs)									
Construction	70.50 lac	9.40									
Operation		16.90									
23	CER activities along with budgetary break up and responsibility to implement	<p>Director will be responsible for implementation of the CER activities. The details of the various CER activities, fund allocated and its completion schedule are as under:</p> <ul style="list-style-type: none"> <li>• Widening of road in the vicinity of the project.</li> <li>• Maintenance of government school toilets for 5 years</li> <li>• A fund of Rs 7 Lac has been earmarked by the management for the activities stated as above and other related activities.</li> <li>• The implementation of the CSR will be responsibility of the partner of the company</li> </ul>									
24	Other important facts (Applicable to EC projects only )	<p>a) Whether all the environmental monitoring parameter are within permissible limits prescribed for such type of projects. (Applicable to EC projects) yes</p> <p>b) The MC Zirakpur , has issued the certificate vide letter no.487 dated 10-03/2017 to the effect that facility of the sewer is available for the Residential project, treated waste water after depositing requisite charges to the MC Sewer.</p>									

		c) The MC Zirakpur has issued certificate vide letter no 488 dated 10/03/2017 to the effect that they are in process of setting of common municipal Solid waste facility for the MC Zirakpur cluster and will take care of MSW likely to be generated from this project in due course of time.
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SEAC perused the compliance report sent by the MoEF vide letter no. 636-638 dated 29.07.2020. SEAC observed that the observations raised by the MoEF was complied with by the project proponent.

SEAC was satisfied with the presentation and reply submitted by the project proponent.

After detailed deliberations, SEAC decided to award 'Silver Grading' to the project proposal and to forward the application of the project proponent to SEIAA with the recommendations to grant Environmental Clearance for expansion of the project namely "La Prisma" having built-up area 40704 sqm (after expansion) in a total land area of 18937 sqm located at village Singhpura, Zirakpur, tehsil Dera Bassi, distt. SAS Nagar, Mohali (Punjab), as per the details mentioned in the Form 1, 1A, EMP & subsequent presentation /clarifications made by the project proponent and his consultant with, proposed measures, conditions prescribed conditions prescribed as under:-

#### **I. Statutory compliance:**

- i) The project proponent shall obtain all necessary clearance/ permission from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.
- ii) The approval of the Competent Authority shall be obtained for structural safety of buildings due to earthquakes, adequacy of firefighting equipment, etc. as per National Building Code including protection measures from lightning, etc.
- iii) The project proponent shall obtain forest clearance under the provisions of the Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.
- iv) The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
- v) The project proponent shall obtain Consent to Establish / Operate under the provisions of the Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board / Committee.
- vi) The project proponent shall obtain the necessary permission for drawl of ground water/ surface water required for the project from the competent authority.

- vii) A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained.
- viii) All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department shall be obtained, as applicable, by project proponents from the respective competent authorities.
- ix) The provisions of the Solid Waste (Management) Rules, 2016, E-Waste (Management) Rules, 2016, Construction & Demolition Waste Rules, 2016 and the Plastics Waste (Management) Rules, 2016 shall be followed.
- x) The project proponent shall follow the ECBC/ECBC-R prescribed by Bureau of Energy Efficiency, Ministry of Power strictly.
- xi) The project site shall conform to the suitability as prescribed under the provisions laid down under the master plan of respective city/ town. For that, the project proponent shall either to submit the NOC/ land use conformity certificate from Deptt. of Town and Country Planning or other concerned Authority under whom jurisdiction, the site falls.
- xii) Besides above, the project proponent shall also comply with siting criteria / guidelines, standard operating practices, code of practice and guidelines if any prescribed by the SPCB/CPCB/MoEF&CC for such type of projects.
- xiii) The project proponent shall get the layout plans approved from the Competent Authority for the activities / establishments to be set up at project site in consonance of the project proposal for which this environment clearance is applied.

## **II. Air quality monitoring and preservation**

- i) Notification GSR 94(E) dated 25.01.2018 of MoEF&CC regarding Mandatory Implementation of Dust Mitigation Measures for Construction and Demolition Activities for projects requiring Environmental Clearance shall be complied with.
- ii) A management plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site.
- iii) The project proponent shall install system to carryout Ambient Air Quality monitoring for common /criterion parameters relevant-to the main pollutants released (e.g. PM10 and PM2.5) covering upwind and downwind directions during the construction period.
- iv) Diesel power generating sets proposed as source of backup power should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use of low sulphur diesel. The location of the DG sets may be decided with in consultation with State Pollution Control Board.

- v) Construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, continuous dust/ wind breaking walls all around the site (at least 3m height or 1/3rd of the building height and maximum upto 10m). Plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, murrum and other construction materials prone to causing dust pollution at the site as well as taking out debris from the site.
- vi) No Excavation of soil shall be carried out without adequate dust mitigation measures in place.
- vii) No loose soil or sand or construction & demolition waste or any other construction material that causes dust shall be left uncovered.
- viii) No uncovered vehicles carrying construction material and waste shall be permitted
- ix) All the topsoil excavated during construction activities should be stored for use in horticulture / landscape development within the project site.
- x) Grinding and Cutting of building material in open area shall be prohibited. Wet jet shall be provided for grinding and stone cutting.
- xi) Unpaved surfaces and loose soil shall be adequately sprinkled with water to suppress dust.
- xii) All construction and demolition debris shall be stored at the site within earmarked area and road side storage of construction material and waste shall be prohibited. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules 2016.
- xiii) The diesel generator sets to be used during construction phase shall be low sulphur diesel type and shall conform to Environmental (Protection) prescribed for air and noise emission standards.
- xiv) The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. Low sulphur diesel shall be used. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.
- xv) For indoor air quality the ventilation provisions as per National Building Code of India.
- xvi) Roads leading to or at construction site must be paved and blacktopped (i.e. metallic road)
- xvii) Dust Mitigation measures shall be displayed prominently at the construction site for easy public viewing.
- xviii) Construction and Demolition Waste Processing and Disposal site shall be identified and required dust mitigation measure be notified at the site.

### III. Water quality monitoring and preservation

- i) The natural drain system should be maintained for ensuring unrestricted flow of water.
- ii) No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape, and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rain water.
- iii) Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.
- iv) The total water requirement for the project will be 287 KL/day, out of which fresh water demand of 222 KL /day shall be met through groundwater and remaining through recycling of treated waste water from their own STP. Total fresh water use shall not exceed the proposed requirement as provided in the project details.
- iv) a)The total wastewater generation from the project will be 230 KL/day, which will be treated in STP to be installed within the project premises. As proposed, reuse of treated wastewater shall be as under:-

<b>Sr. No.</b>	<b>Season</b>	<b>For Flushing purposes (KLD)</b>	<b>Green Area (KLD)</b>	<b>MC Sewer KLD</b>
1.	Summer	65	15	117
2.	Winter	65	05	127
3.	Rainy	65	00	132

- b) Storage tank of adequate capacity shall be provided for the storage of treated wastewater and all efforts shall be made to supply the same for construction purposes.
- c) During construction phase, the project proponent shall ensure that the waste water being generated from the labour quarters/toilets shall be treated and disposed in environment friendly manner. The project proponent shall also exercise the option of modular bio-toilets or will provide proper and adequately design septic tanks for the treatment of such waste water and treated effluents shall be utilized for green area/plantation
- vi) The project proponent shall ensure safe drinking water supply to the habitants. Adequate treatment facility for drinking water shall be provided, if required.
- vii) The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with six monthly Monitoring reports.

- viii) A certificate shall be obtained from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed, the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for ground water and surface water sources, ensuring that there is no impact on other users.
- ix) At least 20% of the open spaces as required by the local building bye-Laws shall be pervious. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as pervious surface.
- x) Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc and other for supply of recycled water for flushing, landscape irrigation, car washing, thermal cooling, conditioning etc. shall be done.
- xi) The respective project proponent shall discourage the installation of R.O. plants in their projects in order to save the wastage in form of RO reject. However, in case the requirement of installing RO plant is utmost necessary then the rejected stream from the RO shall be separated and shall be utilized by storing the same within the particular component i.e. (Tower/Mall) or in a common place in the project premises.
- xii) The project proponent shall also adopt the new/innovating technologies like less water discharging taps (faucet with aerators)/urinals with electronic sensor system /water less urinals / twin flush cisterns/ sensor based alarming system for overhead water storage tanks and make it a part of the environmental management plans / building plans so as to reduce the water consumption/ground water abstraction in their Building Construction & Industrial projects.
- xiii) The project proponent will provide plumbing system for reuse of treated wastewater for flushing/ HVAC/ other purposes etc. and colour coding of different pipe lines carrying water/wastewater from different sources / treated wastewater as follows:

Sr. No	Nature of the Stream	Color code
a)	Fresh water	Blue
b)	Untreated wastewater from Toilets/ urinal & from Kitchen	Black
c)	Untreated wastewater from Bathing/shower area, hand washing (Washbasin / sinks) and from Cloth Washing	Grey
d)	Reject water streams from RO plants & AC condensate (this is to be implemented wherever centralized AC system and common RO has been proposed in the Project). Further, in case of individual houses/establishment this proposal may also be implemented wherever possible.	White
e)	Treated wastewater (for reuse only for plantation purposes) from the STP treating black water	Green

f)	Treated wastewater (for reuse for flushing purposes or any other activity except plantation) from the STP treating grey water	Green with strips
g)	Storm water	Orange

- xiv) Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
- xv) The CGWA provisions on rain water harvesting should be followed. A rain water harvesting plan needs to be designed where the recharge bores of minimum one recharge bore per 5,000 square meters of built-up area and storage capacity of minimum one day of total fresh water requirement shall be provided. In areas where ground water recharge is not feasible, the rain water should be harvested and stored for reuse. As per the proposal submitted by the project proponent 4 no. rain water harvesting recharge pits /storage tanks shall be provided for ground water recharging as per the CGWB norms. The ground water shall not be withdrawn without approval from the Competent Authority.
- xvi) All recharge should be limited to shallow aquifer.
- xvii) No ground water shall be used during construction phase of the project. Only treated sewage/wastewater shall be used. A proper record in this regard should be maintained and available at site.
- xviii) Any ground water dewatering should be properly managed and shall conform to the approvals and the guidelines of the CGWA in the matter. Formal approval shall be taken from the CGWA for any ground water abstraction or dewatering.
- xix) The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with six monthly Monitoring reports.
- xx) Sewage shall be treated in the STP with tertiary treatment. STP shall be installed in a phased manner viz a viz in the module system designed in such a way so as to efficiently treat the wastewater with an increase in its quantity due to rise in occupancy. The treated effluent from STP shall be recycled/reused for flushing, AC make up water and gardening. No treated water shall be disposed of into the municipal storm water drain.
- xxi) No sewage or untreated effluent water would be discharged through storm water drains. Onsite sewage treatment of capacity of treating 100% waste water to be installed. The installation of the Sewage Treatment Plant (STP) shall be certified by an independent expert and a report in this regard shall be submitted to the Ministry before the project is commissioned for operation. Treated waste water shall be reused on-site for landscape, flushing, cooling tower, and other end-uses. Excess treated water shall be

discharged as per statutory norms notified by the Ministry of Environment, Forest and Climate Change. Natural treatment systems shall be promoted.

- xxii) Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odour problem from STP.
- xxiii) Sludge from the onsite sewage treatment, including septic tanks, shall be collected, conveyed and disposed as per the Ministry of Urban Development, Central Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.

#### **IV. Noise monitoring and prevention**

- i) Ambient noise levels shall conform to residential area/commercial area/industrial area/silence zone both during day and night as per Noise Pollution (Control and Regulation) Rules, 2000. Incremental pollution loads on the ambient air and noise quality shall be closely monitored during construction phase. Adequate measures shall be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/SPCB.
- ii) Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
- iii) Acoustic enclosures for DG sets, noise barriers for ground-run bays, ear plugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.

#### **V. Energy Conservation measures**

- i) Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured. Buildings in the States which have notified their own ECBC, shall comply with the State ECBC.
- ii) Outdoor and common area lighting shall be LED.
- iii) Concept of passive solar design that minimize energy consumption in buildings by using design elements, such as building orientation, landscaping, efficient building envelope, appropriate fenestration, increased. day lighting design and thermal mass etc. shall be incorporated in the building design. Wall, window, and roof u-values shall be as per ECBC specifications.
- iv) Energy conservation measures like installation of LEDs for the lighting the area outside the building should be integral part of the project design and should be in place before project commissioning.
- v) Solar, wind or other Renewable Energy shall be installed to meet electricity generation equivalent to 1 % of the demand load or as per the state level/ local building bye-laws requirement, whichever is higher.



- vi) Solar power by utilizing at least 30% of the roof top area shall be used for lighting in the apartment to reduce the power load on grid. Separate electric meter shall be installed for solar power. Solar water heating shall be provided to meet 20% of the hot water demand of the commercial and institutional building or as per the requirement of the local building bye-laws, whichever is higher. Residential buildings are also recommended to meet its hot water demand from solar water heaters, as far as possible.

## **VI. Waste Management**

- i) A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from project shall be obtained.
- ii) Disposal of muck during construction phase shall not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
- iii) Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste shall be segregated into wet garbage and inert materials.
- iv) Organic waste compost/ Vermiculture pit/ Organic Waste Converter within the premises with a minimum capacity of 0.3 kg /person/day must be installed for treatment and disposal of the waste.
- v) All non-biodegradable waste shall be handed over to authorized recyclers for which a written tie up must be done with the authorized recyclers.
- vi) Any hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.
- vii) Use of environment friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction material quantity. These include Fly Ash bricks, hollow bricks, AACs, Fly Ash Lime Gypsum blocks, Compressed earth blocks, and other environment friendly materials.
- viii) Fly ash should be used as building material in the construction as per the provision of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003 and 25th January, 2016. Ready mixed concrete must be used in building construction.
- ix) Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Rules, 2016.
- x) Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/ rules of the regulatory authority to avoid mercury contamination.

## **VII. Green Cover**

- i) No tree can be felled/transplant unless exigencies demand. Where absolutely necessary, tree felling shall be with prior permission from the concerned regulatory authority. Old trees should be retained based on girth and age regulations as may be prescribed by the Forest Department. Plantations to be ensured species (cut) to species (planted).
- ii) At least single line plantation all around the boundary of the project as proposed shall be provided. The open spaces inside the plot should be suitably landscaped and covered with vegetation of indigenous species/variety. A minimum of one tree for every 80 sqm (@ **237 trees** of native varieties) of total project land should be planted and maintained. The existing trees will be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping. The plantation should be provided as per SEIAA guidelines.
- iii) Where the trees need to be cut with prior permission from the concerned local Authority, compensatory plantation in the ratio of 1: 10 (i.e. planting of 10 trees for every 1 tree that is cut) shall be done and maintained. Plantations to be ensured species (cut) to species (planted). Area for green belt development shall be provided as per the details provided in the project document.
- iv) Topsoil should be stripped to a depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stockpiled appropriately in designated areas and reapplied during plantation of the proposed vegetation on site.
- v) The project proponent shall not use any chemical fertilizer /pesticides /insecticides and shall use only Herbal pesticides/insecticides and organic manure in the green area.
- vi) The green belt along the periphery of the plot shall achieve attenuation factor conforming to the day and night noise standards prescribed for residential land use.

## **VIII. Transport**

- i) A comprehensive mobility plan, as per MoUD best practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public, and private networks. Road should be designed with due consideration for environment, and safety of users. The road system can be designed with these basic criteria.
  - a) Hierarchy of roads with proper segregation of vehicular and pedestrian traffic.
  - b) Traffic calming measures.

- c) Proper design of entry and exit points.
- d) Parking norms as per local regulation.
- ii) Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards be operated only during non-peak hours.
- iii) A detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 05 kms radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D./ competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.
- iv) Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Parking should be fully internalized and no public space should be utilized.

**IX. Human health issues**

- i) All workers working at the construction site and involved in loading, unloading, carriage of construction material and construction debris or working in any area with dust pollution shall be provided with dust mask.
- ii) For indoor air quality the ventilation provisions as per National Building Code of India.
- iii) Emergency preparedness plan based on the Hazard identification and Risk Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
- iv) Occupational health surveillance of the workers shall be done on a regular basis.
- v) A First Aid Room shall be provided in the project both during construction and operations of the project.

**X. Corporate Environment Responsibility**

- i) The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1st May 2018, as

applicable, regarding Corporate Environment Responsibility. The project proponent shall adhere to the commitments made in the proposal for CER activities for spending at least a minimum amount of Rs. 7 lacs (for the expansion) will be spent under CER activities for the following activities:-

- widening of road in the vicinity of the project.
  - Maintenance of government school toilets for 5 years.
  - A fund of Rs 7 Lac has been earmarked by the management for the activities stated as above and other related activities.
- ii) The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
- iii) A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
- iv) Action plan for implementing EMP and environmental conditions along with the responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year-wise funds earmarked for environmental protection measures shall be kept in separate accounts and not to be diverted for any other purpose. The project proponent shall spend the minimum amount of Rs 140.50 Lacs towards the capital cost and Rs 13.90 Lacs/annum towards recurring cost in the construction phase of the project including the environmental monitoring cost and shall spend the minimum amount of Rs 17.40 Lacs/annum towards the recurring cost in operation phase of the project including the environmental monitoring cost. The entire cost of the environmental management plan will continue to be borne by the project proponent until the responsibility of the environmental management plan is transferred to the occupier/residents society under proper MOU under intimation to SEIAA, Punjab. Year-wise progress of implementation of the action plan shall be reported to the Ministry/Regional Office along with the Six-monthly Compliance Report.

## **XI. Validity**

- i) This environmental clearance will be valid for a period of seven years from the date of its issue or till the completion of the project, whichever is earlier.

## **XII. Miscellaneous**

- i) The project proponent before allowing any occupancy shall obtain completion and occupancy certificate from the Competent Authority and submit a copy of the same to the SEIAA, Punjab.
- ii) The project proponent shall comply with the conditions of CLU, if obtained.
- iii) The project proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days indicating that the project has been accorded environment clearance and the details of MoEFCC/SEIAA website where it is displayed.
- iv) The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
- v) The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
- vi) The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at Environment Clearance portal.
- vii) The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
- viii) The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
- ix) The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
- x) The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
- xi) No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
- xii) Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.

- xiii) The SEIAA/Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
- xiv) The SEIAA/ Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
- xv) The Regional Office of this Ministry and Punjab Pollution Control Board shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data/ information/monitoring reports.
- xvi) The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.
- xvii) Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

### **3.0 Deliberations during the 174<sup>th</sup> meeting of SEIAA held on 31.10.2020**

The case was considered by SEIAA in its 174<sup>th</sup> meeting held on 31.10.2020 and was attended by the following on behalf of the project proponent:

- i) Sh. Shintu Goel, Partner and Sh. Deepak Gupta, Environmental Advisor of the promoter company.
- ii) Sh. Sital Singh, EIA Coordinator, M/s CPTL, Mohali, Environmental Consultant of the project proponent.

Before allowing the Environmental Consultant to present the salient features of the project, to a query of SEIAA regarding the compliance of the observations made by the MoEF&CC, Environmental Consultant informed that the observations of the MoEF&CC have now been complied with and action taken report has already been submitted to the MoEF&CC.

Environmental consultant of the promoter company presented the salient features of the project before SEIAA. A copy of the presentation was also submitted which was taken on record.

To a query of SEIAA regarding the structural stability of the tower, Environmental Consultant informed that no construction activity has been started for tower where expansion has to be carried out.

To another query of SEIAA regarding Chute system, Environmental Consultant of the promoter company informed that the same shall be provided for the expansion part of the project.

During discussions, the representative of the promoter company agreed to comply with fully all the conditions as mentioned by SEAC.

The SEIAA observed that the case stands recommended by SEAC and the Committee has awarded 'Silver Grading' to the project proposal. The SEIAA looked into the details of the case and was satisfied with the same.

After detailed deliberations, SEIAA decided to accept the recommendations of SEAC and grant Environmental Clearance for expansion of the project namely "La Prisma" having built-up area 40704 sqm (after expansion) in a total land area of 18937 sqm located at village Singhpura, Zirakpur, tehsil Dera Bassi, distt. SAS Nagar, Mohali (Punjab), as per the details mentioned in the Form 1, 1A, EMP & subsequent presentation /clarifications made by the project proponent and his consultant with, proposed measures, and subject to the following additional conditions, as agreed by the project proponent:-

#### **Additional Conditions:**

- i) Chute system for the expansion part, separate wet & drybins at ground level and for common areas for facilitating segregation of waste, collection centre and mechanical composter (with minimum capacity of 0.3kg/tenement/day) shall be provided for proper collection, handling, storage, segregation, treatment and disposal of solid waste.

**Item No 174.04: Application for obtaining Environmental Clearance under EIA notification dated 14.09.2006 for the expansion of a group housing project namely "Golden Sand" at Village Gazipur, DeraBassi, Zirakpur, SAS Nagar Mohali, Punjab by M/s Golden sand Apparments and SRK Apartments.**

#### **1.0 Background**

Earlier the project proponent was granted Environmental Clearance for establishment of a group housing project namely "**Golden Sand**" at village Gazipur, DeraBassi, Zirakpur, SAS Nagar Mohali, Punjab vide no. SIA/PB/MIS/164609/2020. The said EC was granted for total plot area 27957.74 sqm and total built up area 74179 sqm.

Now the project proponent has submitted an application for obtaining Environmental Clearance for the expansion of the earlier project. After expansion, the built up area will increase by 18385 sqm and the total built up area will become 92564 sqm.

The project proponent submitted the Form I, 1A and other additional documents. They have also deposited the processing fee amounting to Rs. 33680/- through NEFT no. P20062024904383 Dated 20.06.2020.

## 2.0 Deliberations during the 195<sup>th</sup> meeting of SEAC held on 24.10.2020

The case was considered by SEAC in its 195<sup>th</sup> meeting held on 24.10.2020 and was attended by the following on behalf of the project proponent:

- i) Sh. Amit Nanda, Partner and Sh. Deepak Gupta, Environmental Advisor.
- ii) Sh. Sital Singh, EIA Coordinator, M/s CPTL, Mohali, Environmental Consultant of the project proponent.

Thereafter, SEAC allowed the Project proponent to present the salient features of the project and the Environmental Consultant of the same presented as under:

S.No.	Item	Details
1.	Online Proposal No.	SIA/PB/MIS/164609/2020.
2.	Name and Location of the project	"Golden Sand" located at Zirakpur.
3.	Latitude & Longitude	30.38.48.98"N 76.50 36.46"E 30.38.46.22"N 76.50 36.03"E 30.38.43.57"N 76.50 41.81"E 30.38.47.86"N 76.5045.38"E
4.	Project/activity covered under item of scheduled to the EIA Notification, 14.09.2006	8(a) (Expansion)
5.	Whether the project is in critical polluted area or not.	None
6.	If the project involves diversion of forest land. If yes, a) Extent of the forest land. b) Status of the forest clearance.	Yes,  NOC obtained
7.	a) Is the project covered under PLPA,1900, if No but located near to PLPA area then the project proponent is required to submit NOC from the concerned DFO to the effect that project area does not fall under the provision of PLPA Act, 1900. b) Is the project covered under PLPA, 1900, if yes then Status of the NOC w.r.t PLPA,1900.	No
8.	If the project falls within 10 km of ecosensitive area/ National park/Wild Life Sanctuary. If yes,	No



	c) Name of ecosensitive area/ National park/Wild Life Sanctuary and distance from the project site. d) Status of clearance from National Board for Wild Life (NBWL).	No  No																																					
9.	Classification/Land use pattern as per Master Plan	Residential,																																					
10.	Cost of the project	86 Cr																																					
11.	Total Plot area, Built up Area and Green area	FOR NEW PROJECTS:  <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th colspan="4" style="text-align: center;">"Table A"</th> </tr> <tr> <th>Description</th> <th>OLD</th> <th>Addition</th> <th>Tot</th> </tr> </thead> <tbody> <tr> <td>Land</td> <td>27957.74Sqm</td> <td>--</td> <td>27</td> </tr> <tr> <td>Built-up area</td> <td>74179 Sqm</td> <td>18385 Sqm</td> <td>92</td> </tr> <tr> <td>Green area</td> <td></td> <td></td> <td>45</td> </tr> </tbody> </table>	"Table A"				Description	OLD	Addition	Tot	Land	27957.74Sqm	--	27	Built-up area	74179 Sqm	18385 Sqm	92	Green area			45																	
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12.	Population (when fully operational)	3021 persons																																					
13.	Water Requirements & source in Construction Phase	5-10 KLD met by STP within the project																																					
14.	Break up of Water Requirements & source in Operation Phase (Summer, Rainy, Winter):	<table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th rowspan="2">Sr. No.</th> <th rowspan="2">Season</th> <th colspan="2">Fresh Water</th> <th colspan="3">Reuse water</th> <th rowspan="2"></th> </tr> <tr> <th>Domestic</th> <th>Fresh water) KLD</th> <th>For Flushing purposes KLD</th> <th>Green Area KLD</th> <th>HVAC If any KLD</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Summer</td> <td>403</td> <td>269</td> <td>134</td> <td>25</td> <td>--</td> <td></td> </tr> <tr> <td>2</td> <td>Winter</td> <td>403</td> <td>269</td> <td>134</td> <td>7</td> <td></td> <td></td> </tr> <tr> <td>3</td> <td>Rainy</td> <td>403</td> <td>269</td> <td>134</td> <td>0</td> <td></td> <td></td> </tr> </tbody> </table>	Sr. No.	Season	Fresh Water		Reuse water				Domestic	Fresh water) KLD	For Flushing purposes KLD	Green Area KLD	HVAC If any KLD	1	Summer	403	269	134	25	--		2	Winter	403	269	134	7			3	Rainy	403	269	134	0		
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15.	Source of Water	<ul style="list-style-type: none"> <li>• Ground water ( tubewell)</li> <li>• Treated waste water will be used in the construction ( STP installed with in project)</li> <li>• Earlier the permission from the CGWA has been obtained and now revised has been applied.</li> <li>• Recirculation of treated water.</li> </ul>																																					
16.	Treatment & Disposal arrangements of waste water in Construction Phase	STP which is already installed																																					
17.	Disposal Arrangement of Waste water in Operation Phase	Total =322 KLD, which will be treated in the STP of capacity 350 KLD to be installed in the project premises.																																					

"Proceedings of 174<sup>th</sup> meeting of SEIAA  
held on 31.10.2020"

		Sr.No.	Season	For Flushing purposes (KLD)	Green Area sqm (KLD)	MC Sewer if any (KLD)
		1.	Summer	134	25	163
		2.	Winter	134	7	181
		3.	Rainy	134	0	188
18.	Rain water recharging detail	11316 m3/year rain water will be collected and 7 no. of recharging pits will be provided to recharge the rooftop rainwater of buildings after treatment through oil & Grease traps				
19.	Solid waste generation and its disposal	a)1200 kg/day b) Solid wastes will be appropriately segregated (at source. by providing bins) into recyclable, Bio-degradable Components, and non- biodegradable.				
20	Hazardous Waste & Ewaste	1) Cat 5.1 Qty 25 ltr. 2) Any other Category  Used oil from DG sets will be sold to registered recyclers and E-waste will be disposed off as per the E-waste (Management) Amendment Rules, 2018.				
21	Energy Requirements & Saving	a) 3150 KW from PSPCL. b) 1x 240 KVA, 2x500 KVA & 1x 125 KVA Energy Saving measures: <ul style="list-style-type: none"> <li>Solar Light 15 No = 22.5 KWHD</li> <li>Common area (300) light bulbs(60W) replaced with LED 15 W = 162 KWHD</li> <li>Energy Saving @2200 KWH annually with 100 liters solar heated water use/day</li> <li>Energy Saved for use of 3000 lit hot water/day 5000 x2200/100 = 66000 KWH/year = 180KWHD</li> <li>Total Energy saved/day 22+162+180= 364.5 KWHD</li> </ul>				
22	Environment Management Plan along with Budgetary break up phase wise and responsibility to implement	During construction phase GM will be responsible and during operation phase, GM Will be responsible for implementation of the EMP.				
		Description	Capital	recurring		

			Cost (Rs)	Cost (Rs)
		Construction	104 lac	5.50
		Operation		13.40
23	CER activities along with budgetary break up and responsibility to implement	partner will be responsible for implementation of the CER activities. The details of the various CER activities, fund allocated and its completion schedule are as under:		
		<ul style="list-style-type: none"> <li>• The implementation of the CER will be responsibility of partner of the company</li> <li>• Rs 12 lacs will be spend on Government School for providing Computers, Books and Laboratory equipments</li> <li>• It will be started in March 2022 and completed in 2022 only</li> </ul>		
24	Other important facts (Applicable to EC projects only )	<p>a) Whether all the environmental monitoring parameter are within permissible limits prescribed for such type of projects. (Applicable to EC projects) yes</p> <p>b) The MC Zirakpur , has issued the certificate vide letter no.1410 dated 05/06/2015 to the effect that facility of the sewer is available for the Residential project, treated waste water after depositing requisite charges to the MC Sewer.</p> <p>c) The MC Zirakpur has issued certificate vide letter no 1225 dated 03/10/2012 to the effect that the MC zirakpur will lift the MSW but the project proponent will pay the fee.</p>		

SEAC perused the compliance report sent by the MoEF vide letter no. 642-644 dated 29.09.2020. SEAC observed that the observations raised by the MoEF was complied with by the project proponent except for obtaining authorization under HWM Rules, 2016.

The project proponent applied for obtaining authorization under the HWM Rules 2016 to PPCB and submitted a copy of the same to SEAC. The project proponent also submitted the structural safety certificate.

SEAC was satisfied with the presentation and reply submitted by the project proponent.

### **3.0 Recommendations**

After detailed deliberations, SEAC decided to award 'Silver Grading' to the project proposal and to forward the application of the project proponent to SEIAA with the recommendations to grant Environmental Clearance for expansion of the project namely “Golder Sand” having built-up area 92564 sqm (after expansion) in a total land area of 27957.74 sqm located at village Gazipur, Zirakpur, tehsil Dera Bassi, distt. SAS Nagar, Mohali (Punjab), as per the details mentioned in the Form 1, 1A, EMP & subsequent presentation /clarifications made by the project proponent and his consultant with, proposed measures, and the following conditions:-

#### **I. Statutory compliance:**

- i) The project proponent shall obtain all necessary clearance/ permission from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.
- ii) The approval of the Competent Authority shall be obtained for structural safety of buildings due to earthquakes, adequacy of firefighting equipment, etc. as per National Building Code including protection measures from lightening, etc.
- iii) The project proponent shall obtain forest clearance under the provisions of the Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.
- iv) The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
- v) The project proponent shall obtain Consent to Establish / Operate under the provisions of the Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board / Committee.
- vi) The project proponent shall obtain the necessary permission for drawl of ground water/ surface water required for the project from the competent authority.
- vii) A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained.
- viii) All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department shall be obtained, as applicable, by project proponents from the respective competent authorities.

- ix) The provisions of the Solid Waste (Management) Rules, 2016, E-Waste (Management) Rules, 2016, Construction & Demolition Waste Rules, 2016 and the Plastics Waste (Management) Rules, 2016 shall be followed.
- x) The project proponent shall follow the ECBC/ECBC-R prescribed by Bureau of Energy Efficiency, Ministry of Power strictly.
- xi) The project site shall conform to the suitability as prescribed under the provisions laid down under the master plan of respective city/ town. For that, the project proponent shall either to submit the NOC/ land use conformity certificate from Deptt. of Town and Country Planning or other concerned Authority under whom jurisdiction, the site falls.
- xii) Besides above, the project proponent shall also comply with siting criteria / guidelines, standard operating practices, code of practice and guidelines if any prescribed by the SPCB/CPCB/MoEF&CC for such type of projects.
- xiii) The project proponent shall get the layout plans approved from the Competent Authority for the activities / establishments to be set up at project site in consonance of the project proposal for which this environment clearance is applied.

## **II. Air quality monitoring and preservation**

- i) Notification GSR 94(E) dated 25.01.2018 of MoEF&CC regarding Mandatory Implementation of Dust Mitigation Measures for Construction and Demolition Activities for projects requiring Environmental Clearance shall be complied with.
- ii) A management plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site.
- iii) The project proponent shall install system to carryout Ambient Air Quality monitoring for common /criterion parameters relevant-to the main pollutants released (e.g. PM10 and PM2.5) covering upwind and downwind directions during the construction period.
- iv) Diesel power generating sets proposed as source of backup power should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use of low sulphur diesel. The location of the DG sets may be decided with in consultation with State Pollution Control Board.
- v) Construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, continuous dust/ wind breaking walls all around the site (at least 3m height or 1/3rd of the building height and maximum upto 10m). Plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, murrum and other construction

materials prone to causing dust pollution at the site as well as taking out debris from the site.

- vi) No Excavation of soil shall be carried out without adequate dust mitigation measures in place.
- vii) No loose soil or sand or construction & demolition waste or any other construction material that causes dust shall be left uncovered.
- viii) No uncovered vehicles carrying construction material and waste shall be permitted
- ix) All the topsoil excavated during construction activities should be stored for use in horticulture / landscape development within the project site.
- x) Grinding and Cutting of building material in open area shall be prohibited. Wet jet shall be provided for grinding and stone cutting.
- xi) Unpaved surfaces and loose soil shall be adequately sprinkled with water to suppress dust.
- xii) All construction and demolition debris shall be stored at the site within earmarked area and road side storage of construction material and waste shall be prohibited. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules 2016.
- xiii) The diesel generator sets to be used during construction phase shall be low sulphur diesel type and shall conform to Environmental (Protection) prescribed for air and noise emission standards.
- xiv) The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. Low sulphur diesel shall be used. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.
- xv) For indoor air quality the ventilation provisions as per National Building Code of India.
- xvi) Roads leading to or at construction site must be paved and blacktopped (i.e. metallic road)
- xvii) Dust Mitigation measures shall be displayed prominently at the construction site for easy public viewing.
- xviii) Construction and Demolition Waste Processing and Disposal site shall be identified and required dust mitigation measure be notified at the site.

### **III. Water quality monitoring and preservation**

- i) The natural drain system should be maintained for ensuring unrestricted flow of water.
- ii) No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape, and other

sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rain water.

- iii) Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.
- iv) The total water requirement for the project will be 403 KL/day, out of which fresh water demand of 269 KL /day shall be met through groundwater and remaining through recycling of treated waste water from their own STP. Total fresh water use shall not exceed the proposed requirement as provided in the project details.
- v) a)The total wastewater generation from the project will be 322 KL/day, which will be treated in STP to be installed within the project premises. As proposed, reuse of treated wastewater shall be as under:-

<b>Sr. No.</b>	<b>Season</b>	<b>For Flushing purposes (KLD)</b>	<b>Green Area (KLD)</b>	<b>MC Sewer KLD</b>
1.	Summer	134	25	163
2.	Winter	134	07	181
3.	Rainy	134	00	188

- b) Storage tank of adequate capacity shall be provided for the storage of treated wastewater and all efforts shall be made to supply the same for construction purposes.
- c) During construction phase, the project proponent shall ensure that the waste water being generated from the labour quarters/toilets shall be treated and disposed in environment friendly manner. The project proponent shall also exercise the option of modular bio-toilets or will provide proper and adequately design septic tanks for the treatment of such waste water and treated effluents shall be utilized for green area/plantation
- vi) The project proponent shall ensure safe drinking water supply to the habitants. Adequate treatment facility for drinking water shall be provided, if required.
- vii) The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with six monthly Monitoring reports.
- viii) A certificate shall be obtained from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed, the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for ground water and surface water sources, ensuring that there is no impact on other users.

- ix) At least 20% of the open spaces as required by the local building bye-Laws shall be pervious. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as pervious surface.
- x) Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc and other for supply of recycled water for flushing, landscape irrigation, car washing, thermal cooling, conditioning etc. shall be done.
- xi) The respective project proponent shall discourage the installation of R.O. plants in their projects in order to save the wastage in form of RO reject. However, in case the requirement of installing RO plant is utmost necessary then the rejected stream from the RO shall be separated and shall be utilized by storing the same within the particular component i.e. (Tower/Mall) or in a common place in the project premises.
- xii) The project proponent shall also adopt the new/innovating technologies like less water discharging taps (faucet with aerators)/urinals with electronic sensor system /water less urinals / twin flush cisterns/ sensor based alarming system for overhead water storage tanks and make it a part of the environmental management plans / building plans so as to reduce the water consumption/ground water abstraction in their Building Construction & Industrial projects.
- xiii) The project proponent will provide plumbing system for reuse of treated wastewater for flushing/ HVAC/ other purposes etc. and colour coding of different pipe lines carrying water/wastewater from different sources / treated wastewater as follows:

Sr. No	Nature of the Stream	Color code
a)	Fresh water	Blue
b)	Untreated wastewater from Toilets/ urinal & from Kitchen	Black
c)	Untreated wastewater from Bathing/shower area, hand washing (Washbasin / sinks) and from Cloth Washing	Grey
d)	Reject water streams from RO plants & AC condensate (this is to be implemented wherever centralized AC system and common RO has been proposed in the Project). Further, in case of individual houses/establishment this proposal may also be implemented wherever possible.	White
e)	Treated wastewater (for reuse only for plantation purposes) from the STP treating black water	Green
f)	Treated wastewater (for reuse for flushing purposes or any other activity except plantation) from the STP treating grey water	Green with strips
g)	Storm water	Orange

- xiv) Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.



- xv) The CGWA provisions on rain water harvesting should be followed. A rain water harvesting plan needs to be designed where the recharge bores of minimum one recharge bore per 5,000 square meters of built-up area and storage capacity of minimum one day of total fresh water requirement shall be provided. In areas where ground water recharge is not feasible, the rain water should be harvested and stored for reuse. As per the proposal submitted by the project proponent 7 no. rain water harvesting recharge pits /storage tanks shall be provided for ground water recharging as per the CGWB norms. The ground water shall not be withdrawn without approval from the Competent Authority.
- xvi) All recharge should be limited to shallow aquifer.
- xvii) No ground water shall be used during construction phase of the project. Only treated sewage/wastewater shall be used. A proper record in this regard should be maintained and available at site.
- xviii) Any ground water dewatering should be properly managed and shall conform to the approvals and the guidelines of the CGWA in the matter. Formal approval shall be taken from the CGWA for any ground water abstraction or dewatering.
- xix) The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with six monthly Monitoring reports.
- xx) Sewage shall be treated in the STP with tertiary treatment. STP shall be installed in a phased manner viz a viz in the module system designed in such a way so as to efficiently treat the wastewater with an increase in its quantity due to rise in occupancy. The treated effluent from STP shall be recycled/reused for flushing, AC make up water and gardening. No treated water shall be disposed of into the municipal storm water drain.
- xxi) No sewage or untreated effluent water would be discharged through storm water drains. Onsite sewage treatment of capacity of treating 100% waste water to be installed. The installation of the Sewage Treatment Plant (STP) shall be certified by an independent expert and a report in this regard shall be submitted to the Ministry before the project is commissioned for operation. Treated waste water shall be reused on-site for landscape, flushing, cooling tower, and other end-uses. Excess treated water shall be discharged as per statutory norms notified by the Ministry of Environment, Forest and Climate Change. Natural treatment systems shall be promoted.
- xxii) Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odour problem from STP.
- xxiii) Sludge from the onsite sewage treatment, including septic tanks, shall be collected, conveyed and disposed as per the Ministry of Urban Development,

Central Public Health and Environmental Engineering Organization  
(CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.

#### **IV. Noise monitoring and prevention**

- i) Ambient noise levels shall conform to residential area/commercial area/industrial area/silence zone both during day and night as per Noise Pollution (Control and Regulation) Rules, 2000. Incremental pollution loads on the ambient air and noise quality shall be closely monitored during construction phase. Adequate measures shall be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/SPCB.
- ii) Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
- iii) Acoustic enclosures for DG sets, noise barriers for ground-run bays, ear plugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.

#### **V. Energy Conservation measures**

- i) Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured. Buildings in the States which have notified their own ECBC, shall comply with the State ECBC.
- ii) Outdoor and common area lighting shall be LED.
- iii) Concept of passive solar design that minimize energy consumption in buildings by using design elements, such as building orientation, landscaping, efficient building envelope, appropriate fenestration, increased. day lighting design and thermal mass etc. shall be incorporated in the building design. Wall, window, and roof u-values shall be as per ECBC specifications.
- iv) Energy conservation measures like installation of LEDs for the lighting the area outside the building should be integral part of the project design and should be in place before project commissioning.
- v) Solar, wind or other Renewable Energy shall be installed to meet electricity generation equivalent to 1 % of the demand load or as per the state level/ local building bye-laws requirement, whichever is higher.
- vi) Solar power by utilizing at least 30% of the roof top area shall be used for lighting in the apartment to reduce the power load on grid. Separate electric meter shall be installed for solar power. Solar water heating shall be provided to meet 20% of the hot water demand of the commercial and institutional building or as per the requirement of the local building bye-laws, whichever is higher. Residential buildings are also recommended to meet its hot water demand from solar water heaters, as far as possible.

#### **VI. Waste Management**

- i) A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from project shall be obtained.
- ii) Disposal of muck during construction phase shall not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
- iii) Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste shall be segregated into wet garbage and inert materials.
- iv) Organic waste compost/ Vermiculture pit/ Organic Waste Converter within the premises with a minimum capacity of 0.3 kg /person/day must be installed for treatment and disposal of the waste.
- v) All non-biodegradable waste shall be handed over to authorized recyclers for which a written tie up must be done with the authorized recyclers.
- vi) Any hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.
- vii) Use of environment friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction material quantity. These include Fly Ash bricks, hollow bricks, AACs, Fly Ash Lime Gypsum blocks, Compressed earth blocks, and other environment friendly materials.
- viii) Fly ash should be used as building material in the construction as per the provision of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003 and 25th January, 2016. Ready mixed concrete must be used in building construction.
- ix) Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Rules, 2016.
- x) Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/ rules of the regulatory authority to avoid mercury contamination.

**VII. Green Cover**

- i) No tree can be felled/transplant unless exigencies demand. Where absolutely necessary, tree felling shall be with prior permission from the concerned regulatory authority. Old trees should be retained based on girth and age regulations as may be prescribed by the Forest Department. Plantations to be ensured species (cut) to species (planted).
- ii) At least single line plantation all around the boundary of the project as proposed shall be provided. The open spaces inside the plot should be

suitably landscaped and covered with vegetation of indigenous species/variety. A minimum of one tree for every 80 sqm (@ **350 trees** of native varieties) of total project land should be planted and maintained. The existing trees will be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping. The plantation should be provided as per SEIAA guidelines.

- iii) Where the trees need to be cut with prior permission from the concerned local Authority, compensatory plantation in the ratio of 1: 10 (i.e. planting of 10 trees for every 1 tree that is cut) shall be done and maintained. Plantations to be ensured species (cut) to species (planted). Area for green belt development shall be provided as per the details provided in the project document.
- iv) Topsoil should be stripped to a depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stockpiled appropriately in designated areas and reapplied during plantation of the proposed vegetation on site.
- v) The project proponent shall not use any chemical fertilizer /pesticides /insecticides and shall use only Herbal pesticides/insecticides and organic manure in the green area.
- vi) The green belt along the periphery of the plot shall achieve attenuation factor conforming to the day and night noise standards prescribed for residential land use.

### **VIII. Transport**

- i) A comprehensive mobility plan, as per MoUD best practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public, and private networks. Road should be designed with due consideration for environment, and safety of users. The road system can be designed with these basic criteria.
  - a) Hierarchy of roads with proper segregation of vehicular and pedestrian traffic.
  - b) Traffic calming measures.
  - c) Proper design of entry and exit points.
  - d) Parking norms as per local regulation.
- ii) Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards be operated only during non-peak hours.

- iii) A detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 05 kms radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D./ competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.
- iv) Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Parking should be fully internalized and no public space should be utilized.

#### **IX. Human health issues**

- i) All workers working at the construction site and involved in loading, unloading, carriage of construction material and construction debris or working in any area with dust pollution shall be provided with dust mask.
- ii) For indoor air quality the ventilation provisions as per National Building Code of India.
- iii) Emergency preparedness plan based on the Hazard identification and Risk Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
- iv) Occupational health surveillance of the workers shall be done on a regular basis.
- v) A First Aid Room shall be provided in the project both during construction and operations of the project.

#### **X. Corporate Environment Responsibility**

- i) The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility. The project proponent shall adhere to the commitments made in the proposal for CER activities for spending at least a minimum amount of Rs. 12 lacs(for expansion project) will be spent under CER activities for activities given as under:
- The implementation of the CER will be responsibility of partner of the company.

- Rs 12 lacs will be spend on Government School for providing Computers, Books and Laboratory equipments.
  - It will be started in March 2022 and completed in 2022 only
- ii) The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
- iii) A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
- iv) Action plan for implementing EMP and environmental conditions along with the responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year-wise funds earmarked for environmental protection measures shall be kept in separate accounts and not to be diverted for any other purpose. The project proponent shall spend the minimum amount of Rs 140.50 Lacs towards the capital cost and Rs 13.90 Lacs/annum towards recurring cost in the construction phase of the project including the environmental monitoring cost and shall spend the minimum amount of Rs 17.40 Lacs/annum towards the recurring cost in operation phase of the project including the environmental monitoring cost. The entire cost of the environmental management plan will continue to be borne by the project proponent until the responsibility of the environmental management plan is transferred to the occupier/residents society under proper MOU under intimation to SEIAA, Punjab. Year-wise progress of implementation of the action plan shall be reported to the Ministry/Regional Office along with the Six-monthly Compliance Report.

#### **XI. Validity**

- i) This environmental clearance will be valid for a period of seven years from the date of its issue or till the completion of the project, whichever is earlier.

#### **XII. Miscellaneous**

- i) The project proponent before allowing any occupancy shall obtain completion and occupancy certificate from the Competent Authority and submit a copy of the same to the SEIAA, Punjab.
- ii) The project proponent shall comply with the conditions of CLU, if obtained.
- iii) The project proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in the vernacular

language within seven days indicating that the project has been accorded environment clearance and the details of MoEFCC/SEIAA website where it is displayed.

- iv) The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
- v) The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
- vi) The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at Environment Clearance portal.
- vii) The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
- viii) The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
- ix) The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
- x) The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
- xi) No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
- xii) Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
- xiii) The SEIAA/Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
- xiv) The SEIAA/ Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
- xv) The Regional Office of this Ministry and Punjab Pollution Control Board shall monitor compliance of the stipulated conditions. The project authorities

should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data/ information/monitoring reports.

- xvi) The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.
- xvii) Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

#### **4.0 Deliberations during the 174<sup>th</sup> meeting of SEIAA held on 31.10.2020**

The case was considered by SEIAA in its 174<sup>th</sup> meeting held on 31.10.2020 and was attended by the following on behalf of the project proponent:

- i) Sh. Amit Nanda, Partner and Sh. Deepak Gupta, Environmental Advisor of the promoter company.
- ii) Sh. Sital Singh, EIA Coordinator, M/s CPTL, Mohali, Environmental Consultant of the project proponent.

Before allowing the Environmental Consultant to present the salient features of the project, to a query of SEIAA regarding the compliance of the observations made by the MoEF&CC, Environmental Consultant informed that the observations of the MoEF&CC have now been complied with and action taken report has already been submitted to the MoEF&CC.

Environmental consultant of the promoter company presented the salient features of the project before SEIAA. A copy of the presentation was also submitted which was taken on record.

To a query of SEIAA regarding the structural stability of the tower, Environmental Consultant informed that no construction activity has been started for tower where expansion has to be carried out.

To another query of SEIAA regarding Chute system, Environmental Consultant of the promoter company informed that the same shall be provided for the expansion part of the project.

During discussions, the representative of the promoter company agreed to comply with fully all the conditions as mentioned by SEAC.



The SEIAA observed that the case stands recommended by SEAC and the Committee has awarded ‘Silver Grading’ to the project proposal. The SEIAA looked into the details of the case and was satisfied with the same.

After detailed deliberations, SEIAA decided to accept the recommendations of SEAC and grant Environmental Clearance for expansion of the project namely “Golden Sand” having built-up area 92564 sqm (after expansion) in a total land area of 27957.74 sqm located at village Gazipur, Zirakpur, Tehsil Dera Bassi, Distt. SAS Nagar, as per the details mentioned in the Form 1, 1A, EMP & subsequent presentation /clarifications made by the project proponent and his consultant with, proposed measures, and subject to the following additional conditions, as agreed by the project proponent:-

**Additional Conditions:**

- i) Chute system for the expansion part, separate wet & drybins at ground level and for common areas for facilitating segregation of waste, collection centre and mechanical composter (with minimum capacity of 0.3kg/tenement/day) shall be provided for proper collection, handling, storage, segregation, treatment and disposal of solid waste.

**Item No.174.05: Application for issuance of Terms of References (TORs) for obtaining Environmental clearance under EIA notification dated 14.09.2006 for expansion of steel manufacturing unit “M/s Shri Ambey Steel Industries” having existing Induction Furnace of capacity 7 TPH with production capacity 29400 TPA by adding additional two no. of IF’s (2 x 15 TPH) and increase in production capacity to 1,89,400 TPA for manufacturing of MS Billets/ Flats/ HR Coil/ TMT Bars/ Pipes located at peer Gajju Shah Road, Village Alour, Tehsil Khanna, District Ludhiana, Punjab (Old proposal No. SIA/PB/IND /36371 /2019; New Proposal No: 57686)**

The project proponent has applied for issuance of TORs to M/s Shri Ambey Steel Industries for expansion of above steel manufacturing unit having existing Induction Furnace of capacity 7 TPH with production capacity 84 TPD by adding additional two no. of IF’s (2 x 15 TPH) and increase in production capacity to 1,89,400 TPA for manufacturing of MS Billets/ Flats/ HR Coil/ TMT Bars/ Pipes, rolling mill and pipe plant located at peer Gajju Shah Road, Village Alour, Tehsil Khanna, District Ludhiana, Punjab Project is covered under Activity 3(a) & Category ‘B1’.

The project proponent submitted the Form I, Pre-feasibility report and other additional documents on online portal. He has also deposited the processing fee amounting to Rs. 85,250/- (25% of the total fee) through NEFT dated 19.08.2020.

The application was scrutinized & Essential Details were sought on 02.06.2019 and 04.04.2020 to which project proponent replied dated 11.01.20 and 03.09.20 respectively.

Environmental Engineer, PPCB, RO, Fatehgarh Sahib was requested vide email dated 15.10.20 to send the construction status of the project site. Accordingly, Environmental Engineer of the Regional office vide email dated 22.10.2020 reported that the industry was visited by the AEE of his office on 21/10/2020 and it was observed as under:

- i) The industry is an existing Induction Furnace and Concast unit and was granted consent to operate under the Water Act, 1974 vide no. CTOW/Renewal/LDHKH/2019/11584527 dated 06/11/2019 and under the Air Act, 1981 vide no. CTOA/Renewal/LDHKH/2019/11584502 dated 18/11/19 both valid upto 30/09/2023 for the manufacturing of Steel Ingots and Castings or Concast Billets @ 84 MTD and Round, Squares, Bars, Flats, Angle and Other rolled products @ 84 MTD (<30000 TPA).
- ii) The industry has purchased adjoining land approx. 2 acres for proposed expansion.
- iii) The industry has constructed boundary wall only in the additional land. Only watchman room/ security guard room is under construction.
- iv) There is no plant or machinery at proposed site.
- v) There is no borewell in the proposed site.
- vi) Further, the site is suitable for expansion as this is located in industrial zone as per notified Master Plan of Khanna.

7. Further, the industry is complying with the conditions of consents granted under the Water (Prevention & Control of Pollution) Act, 1974 and the Air (Prevention & Control of Pollution) Act, 1981 and authorization under the Hazardous and Other Wastes (Management, and Trans-boundary Movement) Rules, 2016.

### **1.0 Deliberations during the 195th meeting of SEAC held on 24.10.2020**

The meeting was attended by Sh. Puneet Jaidka, Partner of the company and Dr. Sandeep Garg, EIA Coordinator, M/s Eco Lab, Mohali.

Environmental Consultant of the promoter company was allowed to make the presentation before SEAC. He presented the same as under:-

Sr. No	Details	Description
1.	Name of the project	M/s Shri Ambey Steel Industries
2.	Online Proposal No.	SIA/PB/IND/36371/2019
3.	Nature of project	EC for existing & proposed project
4.	a) Category b) Activity	a) Category B b) The project falls under Schedule 3(a): Metallurgical Industries (ferrous & non ferrous) as per EIA notification and its amendments.

5.	Total Project Cost (In Crores)	Rs. 34.1 Crores			
6.	Co-ordinates of all the corners of the project site	Point	Latitude	Longitude	
		A	30°40'43.06"N	76°15'44.20"E	
		B	30°40'44.31"N	76°15'43.02"E	
		C	30°40'46.68"N	76°15'43.47"E	
		D	30°40'46.85"N	76°15'42.35"E	
		E	30°40'47.35"N	76°15'42.42"E	
		F	30°40'47.50"N	76°15'40.55"E	
		G	30°40'48.83"N	76°15'40.61"E	
		H	30°40'49.21"N	76°15'35.14"E	
		I	30°40'46.27"N	76°15'34.91"E	
		J	30°40'45.96"N	76°15'38.38"E	
		K	30°40'44.99"N	76°15'38.26"E	
		L	30°40'44.98"N	76°15'39.63"E	
		M	30°40'44.37"N	76°15'39.60"E	
N	30°40'44.10"N	76°15'42.77"E			
O	30°40'42.85"N	76°15'43.89"E			
7.	Zoning as per master plan	Industrial zone			
8.	Details of valid Consent to Operate under Air & Water Act	CTO obtained from PPCB for Induction Furnace of 7 TPH and rolling mill vide Letter No. CTOW/Fresh/LDHKH /2019/11584527 for Water 06.11.2019 & No. CTOA/Renewal/LDHKH/2019/ 111584502 for Air dated 18.11.2019 and valid up-to 30.09.2023.			
9.	Raw material details:				
	Sr. No.	Raw Materials	Existing (TPA)	Proposed (TPA)	Total (TPA)
	1.	Scrap & Ferro alloys	32,200 TPA	1,76,140 TPA	2,08,340 TPA
10	Production Capacity and details of products				
	Existing (TPA)		Additional (TPA)	Total (TPA)	
	29,400 TPA with following products : Steel Ingots & Castings/ Concast Billets and Round, Squares Bars, Flats Angle and other rolled products with rolling mill		1,60,000 TPA	1,89,400 TPA with following products MS Billets/ Concast Billets/ Flats/ HR Coil/ TMT Bars/ Pipes.	
11	Details of major productive machinery/ plant				
	Sr. No.	Equipment's / Machinery	Existing	Proposed	After Expansion

	1.	Induction Furnace	1 (7 TPH)	2 (15 + 15 TPH)	3 no.(7+15+15 TPH)	
	2.	CCM	1	-	1	
	3.	Rolling mill	1	-	1	
12	Manpower requirement		110 persons			
13	Details of Emissions (After expansion)					
	Sr. No.	Source	Capacity	Chimney Height (m)	Air Pollution Control Device	
	i)	Induction Furnace	3 IF's i.e.; 1 IF of capacity 7 TPH and 2 IF's of capacity 15 TPH each, rolling mill & pipe plant	25	Side Suction Hood followed by Pulse Jet Bag Filter with offline cleaning technology	
	ii)	DG Set	1 DG set of capacity 320 KVA	3	Canopy	
14	Hazardous/ Non-Hazardous Waste Generation details & its disposal					
	Details	Unit	Hazardous Waste Category	Existing Quantity	Total Quantity after expansion	Disposal method
	Used Oil	KL/Annum	Category 5.1	0.02 KL/annum	0.2 KL/annum	Agreement done with BRS Lubricants
	APCD dust	TPD	Category 35.1	0.1	1.5	Agreement done with M/s Madhav Alloys Pvt. Ltd.
15	Solid waste generation and its mode of disposal					
	Details	Unit	Existing Qty	Proposed Quantity	Total Quantity after expansion	Disposal method
	Domestic Solid Waste	kg/day	14	8	22	As per MSW (Management &

						Handling) Rules, 2016
	Slag	TPD	3	15	18	Will be given to cement/block manufacturing plant for co-processing
16	Wastewater generation & its disposal Arrangement					
	Details	Existing Qty (KLD)	Proposed Quantity (KLD)	Total Quantity after expansion (KLD)	Disposal method	
	Domestic effluent	3	1	4	For existing, wastewater is being treated in the Septic Tank and after expansion, wastewater will be treated in STP of capacity 5 KLD.	
17	Details of the block in which the project site is located as per CGWA guideline	Notified & over-exploited block				
18	Breakup of Water Requirements & its source in Operation Phase:	Sr. No.	Description	Existing water demand (KLD)	Proposed water demand (KLD)	Total water demand (KLD)
		1.	Domestic water demand	4	1	5
		2.	Make up water demand for cooling purpose	14	44	58
		3.	Green area water demand	-	45	45
		Total		18	90	108
	Sources of water:					
	S. No.	Purposes			Source of water for existing demand	

		1. Domestic	The existing water requirement of the project is 18 KLD which is being met through 3 existing bore wells. Ground water		
		2. Make-up water demand for cooling			
		3. Green area water demand			
19	Details of the activities proposed to be covered under CER be provided in below format	Mr. Puneet Jaidka (Partner) will be responsible for implementation of the CER activities. The total cost of project is Rs. 34.1 Crores. The proposed cost of expansion is estimated to be Rs. 13.02 Crores. Thus, Rs. 13.0 lakhs (@ 1% of proposed cost i.e. Rs. 13.02 Crores) is required for CER activities as per Office Memorandum vide F. No. 22-65/ 2017-IA.III dated 01.05.2018. The following activities have been proposed to be covered under CER:			
		<b>Activities</b>	<b>Annual Expenditure (in lakhs)</b>	<b>Time line</b>	<b>Total Expenditure in 1 Year (in lakhs)</b>
		Education Adoption of Government Middle School located in the Village Alour, Khanna for maintenance of school building and provide the necessary facilities.	13.0	year	13.0

SEAC was satisfied with the presentation and reply given to the observation. SEAC took a copy of the presentation along with a reply on record.

## 2.0 Recommendations

After detailed deliberations, it was decided to recommend SEIAA as under:-

- i) Project proponent be allowed to withdraw his application having proposal No. SIA/PB/IND /36371 /2019; for which auto TOR has been generated by the Parivesh portal.
- ii) The project is categorized under Activity 3(a); B-1 with public consultation as required for the project. The Committee approved the Terms of Reference for expansion of steel manufacturing unit "M/s Shri Ambey Steel Industries" having existing Induction Furnace of capacity 7 TPH with production capacity 29400 TPA by adding additional two no. of IF's (2 x 15 TPH) and increase in production capacity to 1,89,400 TPA for manufacturing of MS Billets/ Flats/ HR Coil/ TMT Bars/ Pipes located at peer Gajju Shah Road, Village Alour, Tehsil Khanna, District Ludhiana, Punjab as under:-

## **A. STANDARD TERMS OF REFERENCE**

### 1) Executive Summary

Report in about 8-10 pages incorporating the following:

- (i) Project name and location (Village, Distt., State, Industrial Estate (if applicable))
- (ii) Products and capacities. If expansion proposal, then existing products with capacities and reference to earlier EC.
- (iii) Requirement of land, raw material, water, power, fuel, with source of supply (Quantitative)
- (iv) Process description in brief, specifically indicating the gaseous emission, liquid effluent and solid and hazardous wastes.
- (v) Measures for mitigating the impact on the environment and mode of discharge or disposal.
- (vi) Capital cost of the project, estimated time of completion
- (vii) Site selected for the project - Nature of land - Agricultural (single/double crop), barren, Govt./private land, status of its acquisition, nearby (in 2-3 km.) water body, population, within 10 km other industries, forest, eco-sensitive zones, accessibility, (note - in case of industrial estate this information may not be necessary)
- (viii) Baseline environmental data - air quality, surface and groundwater quality, soil characteristic, flora and fauna, socio-economic condition of the nearby population Identification of hazards in handling, processing and storage of hazardous material and safety system provided to mitigate the risk.
- (ix) Identification of hazards in handling, processing and storage of hazardous material and safety system provided to mitigate the risk
- (x) Likely impact of the project on air, water, land, flora-fauna and nearby population
- (xi) Emergency preparedness plan in case of natural or in plant emergencies
- (xii) Issues raised during public hearing (if applicable) and response given
- (xiii) CSR/CER plan with proposed expenditure.
- (xiv) Occupational Health Measures
- (xv) Post Project monitoring plan
- (xvi) Synopsis of the project (as available on web site i.e. [www.pbdecc.gov.in](http://www.pbdecc.gov.in))

### 2) Introduction

- (i) Details of the EIA Consultant including NABET accreditation
- (ii) Information about the project proponent
- (iii) Importance and benefits of the project

### 3) Project Description

- (i) Cost of project and time of completion.
- (ii) Products with capacities for the proposed project.
- (iii) If expansion project, details of existing products with capacities and whether adequate land is available for expansion, reference of earlier EC if any.
- (iv) List of raw materials required and their source along with mode of transportation.
- (v) Other chemicals and materials required with quantities and storage capacities.
- (vi) Details of Emission, effluents, hazardous waste generation and their management.
- (vii) Requirement of water (breakup for induction and rolling mill), power, with source of supply, status of approval, water balance diagram, man-power requirement (regular and contract).
- (viii) Process description along with major equipment and machineries, process flow sheet (quantitative) from raw material to products to be provided
- (ix) Hazard identification and details of proposed safety systems.
- (x) In case of Expansion/modernization proposals:
  - a) Status of compliance of Consent to Operate for the ongoing /existing operation of the project from SPCB shall be attached with the EIA-EMP report.
  - b) In case the existing project has not obtained environmental clearance, reasons for not taking EC under the provisions of the EIA Notification 1994 and/or EIA Notification 2006 shall be provided. Copies of Consent to Establish/No Objection Certificate and Consent to Operate (in case of units operating prior to EIA Notification 2006, CTE and CTO of FY 2005-2006) obtained from the SPCB shall be submitted. Further, compliance report to the conditions of consents from the SPCB shall be submitted.

### 4) Site Details

- (i) Location of the project site covering village, Taluka / Tehsil, District and State, Justification for selecting the site, whether other sites were considered. Copy of Master Plan indicating a land use pattern of the site is in conformity of proposals of Master Plan shall be attached with EIA report.
- (ii) A top sheet of the study area of radius of 10 km and site location on 1:50,000/1:25,000 scale on an A3/A2 sheet. (Including all eco-sensitive areas and environmentally sensitive places)
- (iii) Details w.r.t. option analysis for selection of site.
- (iv) Co-ordinates (lat-long) of all four corners of the site.
- (v) Google map-Earth downloaded of the project site



- (vi) Layout maps indicating existing unit as well as proposed unit indicating storage area of raw material, finished products, greenbelt area with marking of tree, Location of STP/ETP, Solid waste storage area, Parking space, Firefighting equipment layout, First aid room, Location of Tube wells, DG Sets & Transformers and any other utilities
  - (vii) If located within an Industrial area/Estate/Complex, layout of Industrial Area indicating location of unit within the Industrial area/Estate.
  - (viii) Photographs of the proposed and existing (if applicable) plant site. If existing, show photographs of plantation/greenbelt, in particular.
  - (ix) Land use break-up of total land of the project site (identified and acquired), government/private - agricultural, forest, wasteland, water bodies, settlements, etc. shall be included. (not required for industrial area)
  - (x) A list of major industries with name and type within study area (10 km radius) shall be incorporated. Land use details of the study area.
  - (xi) Geological features and Geo-hydrological status of the study area shall be included.
  - (xii) Details of Drainage of the project up to 5km radius of study area. If the site is within 1 km radius of any major river, peak and lean season river discharge as well as flood occurrence frequency based on peak rainfall data of the past 30 years. Details of Flood Level of the project site and maximum Flood Level of the river shall also be provided. (mega green field projects)
  - (xiii) Status of acquisition of land. If acquisition is not complete, stage of the acquisition process and expected time of complete possession of the land.
  - (xiv) R&R details in respect of land in line with state Government policy
- 5) Forest and wildlife related issues (if applicable):
- (i) Permission and approval for the use of forest land (forestry clearance), if any, and recommendations of the State Forest Department. (if applicable).
  - (ii) Land use map based on High resolution satellite imagery (OPS) of the proposed site delineating the forestland (in case of projects involving forest land more than 40 ha).
  - (iii) Status of Application submitted for obtaining the stage I forestry clearance along with latest status shall be submitted.
  - (iv) The projects to be located within 10 km of the National Parks, Sanctuaries, Biosphere Reserves, Migratory Corridors of Wild Animals, the project proponent shall submit the map duly authenticated by Chief Wildlife Warden showing these features vis-a-vis the project location and the recommendations or comments of the Chief Wildlife Warden-thereon.
  - (v) Wildlife Conservation Plan duly authenticated by the Chief Wildlife Warden of the State Government for conservation of Schedule I fauna, if any exists in the study area.
  - (vi) Copy of application submitted for clearance under the Wildlife (Protection) Act, 1972, to the Standing Committee of the National Board for Wildlife.

6) Environmental Status

- (i) Determination of atmospheric inversion level at the project site and site specific micro-meteorological data using temperature, relative humidity, hourly wind speed and direction and rainfall.
- (ii) AAQ data (except monsoon) at 8 locations for PM 10, PM2.5, SO<sub>2</sub>, NO<sub>x</sub>, CO and other parameters relevant to the project shall be collected. The monitoring stations shall be based CPCB guidelines and take into account the pre dominant wind direction, population zone and sensitive receptors including reserved forests.
- (iii) Raw data of all AAQ measurement for 12 weeks of all stations as per frequency given in the NAQQM Notification of Nov. 2009 along with - min., max., average and 98% values for each of the AAQ parameters from data of all AAQ stations should be provided as an annexure to the EIA Report.
- (iv) Surface water quality of nearby River (100m upstream and downstream) and other surface drains at eight locations as per CPCB/MoEF& CC guidelines.
- (v) Whether the site falls near to polluted stretch of river identified by the CPCB/MoEF& CC.
- (vi) Groundwater monitoring at minimum at 8 locations shall be included.
- (vii) Noise levels monitoring at 8 locations within the study area.
- (viii) Soil Characteristic as per CPCB guidelines.
- (ix) Traffic feasibility / serviceability study for at least 5 days based on Indian Standard Codes. Further it shall also include the details of cross section of the road on which industry is located, vehicles movement w.r.t. the industry, traffic load of other vehicles on the road incorporating the haulage time for the vehicles for loading/unloading within the premises and parking requirement to avoid the traffic congestions on the link and adjoining roads. Traffic study shall be conducted considering the traffic of the industries located in the vicinity.
- (x) Detailed description of flora and fauna (terrestrial and aquatic) existing in the study area shall be given with special reference to rare, endemic and endangered species. If Schedule-I fauna are found within the study area, a Wildlife Conservation Plan shall be prepared and furnished.
- (xi) Socio-economic status of the study area.

7) Impact Assessment and Environment Management Plan

- (i) Assessment of ground level concentration of pollutants from the stack emission based on site-specific meteorological features. In case the project is located on a hilly terrain, the AQIP Modeling shall be done using inputs of the specific terrain characteristics for determining the potential impacts of the project on the AAQ. Cumulative impact of all sources of emissions (including transportation) on the AAQ of the area shall be well assessed. Details of the model used and the input data used for modeling shall also be provided. The air quality contours shall be plotted on a location map showing the location of project site, habitation nearby, sensitive receptors, if any.

- (ii) Water Quality modelling.
  - (iii) Impact of the transport of the raw materials and end products on the surrounding environment shall be assessed and provided. In this regard, options for transport of raw materials and finished products and wastes (large quantities) by rail or rail-cum road transport or conveyor-cum-rail transport shall be examined.
  - (iv) A note on treatment, recycling and reuse of wastewater from different plant operations, extent for different purposes shall be included. Complete scheme of effluent treatment. Characteristics of untreated and treated effluent to meet the prescribed standards of discharge under EPA Rules.
  - (v) Details of stack emission and action plan for control of emissions to meet standards.
  - (vi) Measures for fugitive emission control
  - (vii) Details of hazardous waste generation and their storage, utilization and disposal. Copies of MOU regarding utilization of solid and hazardous waste shall also be included. EMP shall include the concept of waste-minimization, recycle/reuse/recover techniques, Energy conservation, and natural resource conservation.
  - (viii) Proper utilization of fly ash shall be ensured as per Fly Ash Notification, 2009. A detailed plan of action shall be provided.
  - (ix) Action plan for the green belt development in 33 % area with not less than 1,500 trees per hectares giving details of species, width of plantation, planting schedule, post plantation maintenance plan for 3 years shall be included. The green belt shall be around the boundary and a scheme for greening of the roads used for the project shall also be incorporated
  - (x) Action plan for rainwater harvesting measures at alternative sites shall be submitted to harvest rainwater from the roof tops and storm water drains to recharge the groundwater and also to use for the various activities to conserve freshwater and reduce the water requirement from other sources.
  - (xi) Total capital cost and recurring cost/annum for environmental pollution control measures shall be included.
  - (xii) Action plan for post-project environmental monitoring shall be submitted.
  - (xiii) Onsite and Offsite Disaster (natural and Man-made) Preparedness and Emergency Management Plan including Risk Assessment and damage control. Disaster management plan should be linked with the District Disaster Management Plan.
- 8) Occupational health
- (i) Details of existing Occupational & Safety Hazards. What are the exposure levels of above-mentioned hazards and whether they are within the Permissible Exposure Level (PEL)? If these are not within PEL, what measures the company has adopted to keep them within PEL so that the health of the workers can be preserved,

- (ii) Details of exposure specific health status evaluation of worker. If the workers' health is being evaluated by pre-designed format, chest x rays, Audiometry, Spirometry, Vision testing (Far & Near vision, colour vision and any other ocular defect) ECG, during pre-placement and periodical examinations give the details of the same. Details regarding last month analyzed data of above-mentioned parameters as per age, sex, duration of exposure and department wise.
  - (iii) Annual report of the health status of workers with special reference to Occupational Health and Safety.
  - (iv) Plan and fund allocation to ensure the occupational health & safety of all contract and casual workers.
- 9) Corporate Environment Policy
- (i) Does the company have a well laid down Environment Policy approved by its Board of Directors? If so, it may be detailed in the EIA report.
  - (ii) Does the Environment Policy prescribe for standard operating processes/ procedures to bring into focus any infringement/deviation/violation of the environmental or forest norms/conditions? If so, it may be detailed in the EIA.
  - (iii) What is the hierarchical system or Administrative order of the company to deal with the environmental issues and for ensuring compliance with the environmental clearance conditions? Details of this system may be given.
  - (iv) Does the company have a system of reporting of non-compliances / violations of environmental norms to the Board of Directors of the company and / or shareholders or stakeholders at large? This reporting mechanism shall be detailed in the EIA report
- 10) Details regarding infrastructure facilities such as sanitation, fuel, restroom, etc. to be provided to the labour force during construction as well as to the casual workers including truck drivers during the operation phase.
- 11) Enterprise Social Commitment (ESC)
- (i) To address the Public Hearing issues, 2.5% of the total project cost of (Rs. \_\_\_crores), amounting to Rs. \_\_\_crores, shall be earmarked by the project proponent, towards Enterprise Social Commitment (ESC). Distinct ESC projects shall be carved out based on the local public hearing issues. Project estimate shall be prepared based on PWD schedule of rates for each distinct Item and schedule for time-bound action plan shall be prepared. These ESC projects as indicated by the project proponent shall be implemented along with the main project. Implementation of such program shall be ensured by constituting a Committee comprising of the project proponent, representatives of village Panchayat & District Administration. Action taken report in this regard shall be submitted to the Ministry's Regional Office. No free distribution/donations and or free camps shall be included in the above ESC budget
- 12) Any litigation pending against the project and/or any direction/order passed by any Court of Law against the project, if so, details thereof shall also be included. Has the unit received any notice under the Section 5 of Environment (Protection)

Act, 1986 or relevant Sections of Air and Water Acts? If so, details thereof and compliance/ATR to the notice(s) and present status of the case.

13) A tabular chart with index for points wise compliance of above TORs.

**B. STANDARDISED SPECIFIC TERMS OF REFERENCE FOR EIA STUDIES FOR INDUCTION/ ARC FURNACES/CUPOLA FURNACES 5TPH OR MORE**

- (i) Details of proposed layout clearly demarcating existing & proposed features of the project within the plant.
- (ii) Total no. of furnaces & details including capacity of each furnace.
- (iii) Detail of the mechanical shredder to reduce the size of the raw material.
- (iv) Complete process flow diagram describing each unit, its processes, and operations, along with material and energy inputs and outputs (material and energy balance).
- (v) Details on the design and manufacturing process for all the units.
- (vi) Details on environmentally sound technologies for recycling of hazardous materials, as per CPCB Guidelines, may be mentioned in case of handling scrap and other recycled materials.
- (vii) Details on the requirement of raw materials, its source, and storage at the plant.
- (viii) Details on the requirement of energy and water along with its source and authorization from the concerned department. Location of water intake and outfall points (with coordinates).
- (ix) Details on toxic metal content in the waste material and its composition and end-use (particularly of slag).
- (x) Details on toxic content (TCLP), composition and end-use of chrome slag. Details on the recovery of the Ferro chrome from the slag and its proper disposal.

**C. ADDITIONAL SPECIFIC TORS DECIDED DURING MEETING OF SEAC**

- 1. Public consultation is required for the projects as not located in notified industrial parks/estates.
- 2. Submit proof of ownership of land (existing owner) such as copy of latest Jamabandi (not more than one month old) and credible document showing status of land acquisition w.r.t. project site as prescribed in OM dated 07.10.2014 issued by MoEF)
- 3. Submit dully filled prescribed field data sheets and analysis reports along with exact location of sampling / monitoring point marked on the layout map. Also submit the status of approvals of Laboratories.
- 4. Submit cost of the project duly certified by Chartered Engineer/ Approved valuer / Chartered Accountant. In the absence of above, the project proponent may submit self-certified detail of cost of the project mentioning the cost of Land, building, infrastructure and plant & machinery

5. Certificate from the concerned authority w.r.t the location of protected areas as notified under the Wildlife Protection Act, 1972 within 5 km radius from the boundary of the project site.
- (i) Certificate from the Department of Town & Country Planning or concerned authorities to support the claim made by project proponent that the project site (2.85 acres land) is located in the industrial zone as per the provisions of Master Plan of Town/City in the jurisdiction of which the project site is located otherwise project proponent shall submit the Change of land use of the project site for total land area 2.85 acres.
6. Compliance of the siting criteria, standard operating practices, code of practice, and guidelines if any prescribed by the SPCB/CPCB/MoEF&CC for such type of units.
7. Necessary permissions from the Central Groundwater Authority (CGWA)/ State Groundwater Authority (SGWA)/concerned authority for the abstraction of groundwater for the existing requirements as well as for the expanded unit. In case of not allowing such permission by the concerned authority for the abstraction of additional groundwater for the expanded project, the project proponent shall propose alternative arrangements to meet out the additional water requirements. It shall be ensured that: -
  - a) In the projects where groundwater is proposed as a water source, the project proponent shall apply to the Central Groundwater Authority (CGWA)/ State Groundwater Authority (SGWA), as the case may be, for obtaining No Objection Certificate (NOC) if applicable.
  - b) Approval /permission of the CGWA/SGWA shall be obtained before drawing groundwater for the project activities.
  - c) In the absence of approval, submit a copy of acknowledgment along with a set of application filed to CGWA /Competent Authority for obtaining permission for the abstraction of groundwater
8. Minimize the water consumption in the steel plant complex by segregation of used water, practicing cascade use and by recycling treated water.
9. STP for treatment of wastewater & re-utilization of the treated water for core/non-core activities so as to achieve the Zero Liquid Discharge Condition as per the III (iv) of OM dated 09/08/2018 issued by the MoEF&CC for such units.
10. Reuse of cooling tower blow down, simultaneously ensuring the standards prescribed for such purge waters. If required, necessary arrangements shall be made to keep this waste stream within the parameters required for reuse.
11. In case of any acid pickling activity, the spent acid/effluents generated from such activities shall be utilized through authorized re-processors for converting the same into useful by-products like FeSO<sub>4</sub> etc. An agreement to this effect shall be made with the authorized agencies.
12. Adequate area to be reserved and marked on the layout plan for the green belt as per the conditions laid down by the MoEF&CC as per the Standard EC

Conditions prescribed for Induction/ Electric Arc Furnace & Rolling Mills circulated vide OM dated 09/08/2018.

13. Detailed study report along with calculation for reserving land for loading or unloading of raw material, products, slag, hazardous waste as well as for storage of these materials and the area to be reserved for parking incorporating the time required for loading and unloading of vehicles for respective activities and minimum/maximum period for which storage of the above material is required in the premises. The areas for the respective activities to be marked on the layout plan.
14. Action plan for the compliance of standard operating procedures and up-gradation of suction and treatment arrangement for the secondary emissions as prescribed by the State Pollution Control Board or by CPCB/MoEF&CC.
15. Compliance of standard operating procedures and up-gradation of suction/treatment systems for the control of secondary emissions within the time frame prescribed by the State Pollution Control Board. Similar action is to be implemented in the proposed expansion project.
16. Whole of the vehicle movement area as well as the approach road to the gate /weighing bridge shall be paved with pucca/metalled / cement concrete road to control the dust emissions expected from the vehicle movement.
17. The vehicles to be used for loading/unloading purposes shall not be parked along the roadside so as to avoid the traffic congestion and dedicated parking place to be provided for the same.
18. Adopt green technologies to conserve the water and energy including shearing/cutting / bundling machines. Also, to provide abrasive resistant fire bricks in the crucibles to reduce the periodic maintenance & disposal of discarded fire bricks.
19. Use of natural gas (if available) as substitute fuel wherever possible in the existing industry/ for the expansion project.
20. Delineate the concrete proposal regarding activities to be undertaken under Corporate Environmental Responsibility indicating the followings: -
  - i) various activities to be undertaken as per the provision of OM dated 01.05.2018
  - ii) proportionate provisions of funds,
  - iii) the period in which CER activities is to be implemented
  - iv) the person(s) responsible for the implementation.
21. Submit compliance w.r.t. condition no.II [(i) & (iii)] subtitled as "Air Quality Monitoring & Preservation" regarding continuous emission monitoring system and continuous ambient air quality monitoring as prescribed in the Standard EC Conditions for Induction/ Electric Arc Furnace & Rolling Mills issued by the MoEF&CC, New Delhi vide OM dated 09/08/2018.
22. Examine and submit the proposal for: -
  - a) Recovery of iron from slag before disposing of it.

- b) Identify the areas for utilization of slag in a scientific manner and explore its usage in cement/construction industry/manufacturing of pavers & tiles/road laying etc.
- c) Recovery of precious metals like Zinc, lead and iron etc. from the APCD dust (Hazardous waste) through authorized re-processor.

23. Air Pollution Control Arrangement details shall be provided as below:

Plant /Unit	Pollutants	Qty generated	Method used to Control /specifications (attach Separate Sheet to furnish Details)	Number of units planned & Capacity	Budget	Estimated Post Control Qty Pollutant	
						Per Unit	Per day

- 24. Submit compliance regarding the installation of Pulse jet bag filter with offline cleaning technology as APCD with the proposed induction furnace.
- 25. List the species with heavy foliage, broad leaves and wide canopy cover. The landscape planning should include plantation of native species. Water intensive and/or invasive species should not be used for landscaping

The following general points shall be noted:

- (i) The EIA document shall be printed on both sides, as far as possible.
- (ii) All documents shall be properly indexed, page numbered.
- (iii) Period/date of data collection shall be clearly indicated.
- (iv) The letter/application for environmental clearance shall quote the MOEF / SEIAA file No. and also attach a copy of the letter.
- (v) The copy of the letter received from the Ministry / SEIAA shall be also attached as an annexure to the final EIA-EMP Report.
- (vi) The index of the final EIA-EMP report must indicate the specific chapter and page no. of the EIA-EMP Report.
- (vii) While preparing the EIA report, the instructions for the proponents and instructions for the consultants issued by MOEF vide notification dated 03.03.2016 which is available on the website of this Ministry shall also be followed.
- (viii) The consultants involved in the preparation of EIA-EMP report after accreditation with Quality Council of India (QCI) /National Accreditation Board of Education and Training (NABET) would need to include a certificate in this



"Proceedings of 174<sup>th</sup> meeting of SEIAA  
held on 31.10.2020"

regard in the EIA-EMP reports prepared by them and data provided by other organization/Laboratories including their status of approvals etc. Name of the Consultant and the Accreditation details shall be posted on the EIA-EMP Report as well as on the cover of the Hard Copy of the Presentation material for EC presentation.

The Terms of Reference (ToR) prescribed by the State Expert Appraisal Committee (SEAC), Punjab should be considered for the preparation of EIA / EMP report for the project in addition to all the relevant information as per the Generic Structure of EIA given in Appendix III and IIIA in the EIA Notification, 2006.

Where the documents provided are in a language other than English, an English translation shall be provided. The draft EIA-EMP report shall be submitted to the State Pollution Control Board of the concerned State for the conduct of Public Hearing. The SPCB shall conduct the Public Hearing/public consultation, district-wise, as per the provisions of EIA notification,2006. The Public Hearing shall be chaired by an Officer, not below the rank of Additional District Magistrate. The issues raised in the Public Hearing and during the consultation process and the commitments made by the project proponent on the same shall be included separately in EIA-EMP Report in a separate chapter and summarized in a tabular chart with financial budget (capital and revenue) along with time-schedule of implementation for complying with the commitments made.

If any part of the data/information submitted by the project proponent is found to be false or misleading at any stage, then SEIAA & SEAC will not be responsible for the expenditure incurred on the project due to the issuance of this ToR or subsequent work carried out by the project proponent for conducting EIA study or for any other activity related to the project.

The 'Terms of Reference' (TORs) prescribed will be valid for a period of three years from its issuance. The final EIA report shall be submitted to the SEIAA, Punjab for obtaining environmental clearance.

### **3.0 Deliberations during the 174<sup>th</sup> meeting of SEIAA held on 31.10.2020**

The case was considered by SEIAA in its 174<sup>th</sup> meeting held on 31.10.2020 and was attended by the following on behalf of the project proponent:

- i) Sh. Puneet Jaidka, Partner of the promoter company.
- ii) Dr. Sandeep Garg, EIA Coordinator & Smt. Simranjit Kaur of M/s Eco Lab, Mohali, Environmental Consultant of the project proponent.

Environmental Consultant of the Promoter Company presented the salient features of the project and requested for issuance of TORs. A copy of the presentation submitted by the project proponent was taken on record by the SEIAA.

To a query o SEIAA regarding the provision of green area, Environmental Consultant replied that 33% green area has been proposed in the unit in consonance with the requirement of MoEF&CC.

The SEIAA observed that the SEAC has categorized the project into B-1 category (activity listed 3 (a) of the schedule) with public consultation and has recommended specific TORs for undertaking detailed EIA & EMP for such type of projects. The SEIAA looked into the details of the case and was satisfied with the same.

After detailed deliberations, SEIAA decided to accept the recommendation of SEAC and issue the terms of reference for preparing the Environmental Impact Assessment (EIA) report as proposed by SEAC.

**Item No 174.06: Application for obtaining Environmental Clearance under EIA notification dated 14.09.2006 for the establishment of a group housing project namely "Gold Homes" located at Sector 116, Village Sante Majra, Kharar Landran Road, Distt- SAS Nagar Mohali, M/s Shubam Builders (SIA/PB/MIS /149129 /2020).**

## **1.0 Background**

The project proponent has applied for obtaining Environmental Clearance for establishment of a group housing project namely " Gold Homes" located at Sector 116, Village Sante Majra, Kharar Landran Road, Distt- SAS Nagar Mohali, Punjab.

The project is already an existing project having residential flats, booth, and club house in a area of 2.27 acres having built up area of 18239.93 sqm. The project proponent has submitted approved layout plan of the said project which shows that the project was developed in a planned manner and was not a case of violation.

Now the project proponent has added 1 acre of land with the earlier project and thus the total plot area becomes 3.27 acres and the total built up area becomes 30771.35 sqm.

In the approved building plans, total covered area was not mentioned and only the covered area based on achieved FAR was mentioned. Now, the project proponent has submitted clarification in this regard from the MC Kharar vide no. 1798 and 1799 dated 19.10.2020 mentioning the total built up area of the earlier project and the expanded project for which EC has been applied for.

## **2.0 Deliberations during the 195<sup>th</sup> meeting of SEAC held on 24.10.2020**

The case was considered by SEAC in its 195<sup>th</sup> meeting held on 24.10.2020 and was attended by the following on behalf of the project proponent:

- i) Sh. Karan Singla, Partner and Sh. Deepak Gupta, Environmental Advisor.
- ii) Dr. Sandeep Garg, EIA Coordinator, M/s Eco Lab, Mohali, Environmental Consultant of the project proponent.

SEAC perused the construction status report sent by PPCB vide letter no. 4184 dated 22.10.2020. As per the report, the site where the expansion has been proposed is at the back side of the existing project and is currently vacant. However, temporary structure like labour huts and material store has been provided on the site of proposed expansion. Some construction and Demoliting Waste was also observed on the vacant plot.

SEAC observed that the project proponent has not carried out any construction activity. Thereafter, SEAC allowed the Project proponent to present the salient features of the project and the Environmental Consultant of the same presented as under:

Sr. no.	Description	Details																											
1.	Name & Location of the project	Group Housing Project namely "Gold Homes" located at Sector-116, Village Sante Majra, Kharar-Landran Road, Distt. SAS Nagar (Mohali), Punjab by M/s Shubham Builders.																											
2.	Project/activity covered under item of scheduled to the EIA Notification, 14.09.2006	The project falls under S.No. 8(a) - 'Building & Construction Project' as the built-up area of the project is 30,771.75 sq.m.																											
3.	Co-ordinates of all the corners of the project site as per following:	<p>The corner co-ordinates of project are given below:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Corners</th> <th style="text-align: center;">Latitude</th> <th style="text-align: center;">Longitude</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">A</td> <td style="text-align: center;">30°43'04.14"N</td> <td style="text-align: center;">76°39'14.50"E</td> </tr> <tr> <td style="text-align: center;">B</td> <td style="text-align: center;">30°43'04.59"N</td> <td style="text-align: center;">76°39'14.28"E</td> </tr> <tr> <td style="text-align: center;">C</td> <td style="text-align: center;">30°43'04.63"N</td> <td style="text-align: center;">76°39'16.31"E</td> </tr> <tr> <td style="text-align: center;">D</td> <td style="text-align: center;">30°43'06.07"N</td> <td style="text-align: center;">76°39'16.44"E</td> </tr> <tr> <td style="text-align: center;">E</td> <td style="text-align: center;">30°43'06.12"N</td> <td style="text-align: center;">76°39'19.93"E</td> </tr> <tr> <td style="text-align: center;">F</td> <td style="text-align: center;">30°43'06.61"N</td> <td style="text-align: center;">76°39'19.80"E</td> </tr> <tr> <td style="text-align: center;">G</td> <td style="text-align: center;">30°43'06.30"N</td> <td style="text-align: center;">76°39'23.01"E</td> </tr> <tr> <td style="text-align: center;">H</td> <td style="text-align: center;">30°43'04.14"N</td> <td style="text-align: center;">76°39'22.89"E</td> </tr> </tbody> </table>	Corners	Latitude	Longitude	A	30°43'04.14"N	76°39'14.50"E	B	30°43'04.59"N	76°39'14.28"E	C	30°43'04.63"N	76°39'16.31"E	D	30°43'06.07"N	76°39'16.44"E	E	30°43'06.12"N	76°39'19.93"E	F	30°43'06.61"N	76°39'19.80"E	G	30°43'06.30"N	76°39'23.01"E	H	30°43'04.14"N	76°39'22.89"E
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4.	Copy of the Master plan duly marked with the project site	The project falls under Residential zone as per Master plan of SAS Nagar. Master Plan of SAS Nagar showing project location was attached with application.																											
5.	Copy of duly signed Layout plan	Copy of revised layout plan approved by Municipal Council, Kharar vide dated 30.01.2020 is submitted along with application.																											
6.	Pre-feasibility report as per Ministry of Environment & Forests, Circular dated 30.12.2010.	PFR is not applicable for 8(a) project. While, Conceptual plan mentioning all the details is enclosed with the application.																											

7.	Proof of ownership of land mentioning Khasra no. & ownership details (Latest Jamabandi or Registry)	Copy of land documents i.e. Jamabandi, registry and khasra details have been submitted.		
8.	Details as per CLU certificate like Khasra no., Project area (Existing & after expansion)	Khasra Nos.	Area details	Ownership / Lease
		Existing		
		7/2	5K-16M	M/s Shubham Builders
		42//6/2	3K-11M	
		14/3	2K-4M	
		15/1/1	1K	
		8/1	0K-12M	
		8/2/1	2K-2M	
		13/1/3	1K-13M	
			16K-18M	
		Additional Land		
		42//6/1	4K-9M	
		15/1/2	1K-5M	
		43//10/2	1K-16M	
		11/1	0K-10M	
			8K-0M	
		Total	24K-18M (3.27 acres)	
9.	Copy of Memorandum of Article & Association/ partnership deed /undertaking of sole proprietorship/list of Directors and names of other persons responsible for managing the day-to-day affairs of the project.	Copy of partnership deed of Shubham Builders has been submitted.		
10.	Proposed ToRs (based on the standard ToRs)	Not Applicable as project falls under Schedule 8(a).		
11.	Does it attract the general condition? If yes, please specify	No		
12.	Whether the proposal involves approval/clearance under the Forest (Conservation) Act,1980	No. The project does not involve forest clearance. Undertaking regarding the same has been submitted.		
13.	Does the project cover under PLPA, 1900	Project is not covered under PLPA, 1900 or located near to PLPA area.		

14.	If the project falls within 10 km of eco-sensitive area/ National park/Wild Life Sanctuary. If yes, a. Name of eco-sensitive area/ National park/Wild Life Sanctuary and distance from the project site. b. Status of clearance from the National Board for Wild Life (NBWL).	No Bird or wildlife sanctuary falls within 10 km radius of the project location.						
15.	Classification/Land use pattern as per Master Plan	The project location falls in the Residential zone as per Master plan of SAS Nagar.						
16.	Cost of the project	Total estimated project cost including land & development/construction is Rs. 51.41 Crores. Out of which, Rs. 44 Crores have been spent on the project till date.						
17.	Processing Fee details (Amount/NEFT no./dated)	Processing fees amounting Rs. 62,000 has been submitted vide UTR no. 000086732717 dated 06.05.2020 through NEFT.						
18.	Breakup of Water Requirements & source in Operation Phase (Summer, Rainy, Winter):							
Sr. No.	Season	Freshwater	Others	Reuse water	Flushing	Green area	Sewer	Total (KLD)
1.	Summer	95	-	17	11	84		207
2.	Winter	95	-	17	4	91		207
3.	Rainy	95	-	17	1	100		213
Sr. No.	Description			Source of water				
1.	Domestic			Ground water				
2.	Flushing purposes			Ground water + treated water				
3.	Green area			Treated water				
19.	Details of acknowledgement of application filed to CGWA /Competent Authority for obtaining permission for abstraction of ground water.	The application for ground water abstraction has been recommended by CGWB for 91 KLD; copy of current status showing recommendation has been submitted.						
20.	Specify block of project site as per CGWA norms (Notified /Non Notified)	The project falls under non-notified and over-exploited zone.						
21.	Details of Wastewater generation, Treatment	Sewage generation during construction phase will be treated in existing STP of 75 KLD capacity.						

	facility & its Disposal arrangements in Construction Phase																	
22.	Details of Wastewater generation, Treatment facility & its Disposal arrangements in Operation Phase and if wastewater being disposed in MC sewer then also mention the details of NOC from competent authority	<p>Total wastewater generation will be 120 KLD which will be treated in proposed STP of 125 KLD (out of which, STP of 75 KLD capacity has already been installed). The details of the breakup of the utilization of treated wastewater is as under:-</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 25%;">Season</th> <th style="width: 25%;">Flushing (KLD)</th> <th style="width: 25%;">Green area (KLD)</th> <th style="width: 25%;">MC Sewer (KLD)</th> </tr> </thead> <tbody> <tr> <td>Summer</td> <td>17</td> <td>11</td> <td>84</td> </tr> <tr> <td>Winter</td> <td>17</td> <td>4</td> <td>91</td> </tr> <tr> <td>Monsoon</td> <td>17</td> <td>1</td> <td>100</td> </tr> </tbody> </table> <p>As per NOC from MC, Kharar vide Letter dated 16.09.2020, sewer will be laid in 2 years of time. Copy of NOC from MC, Kharar has been submitted.</p>	Season	Flushing (KLD)	Green area (KLD)	MC Sewer (KLD)	Summer	17	11	84	Winter	17	4	91	Monsoon	17	1	100
Season	Flushing (KLD)	Green area (KLD)	MC Sewer (KLD)															
Summer	17	11	84															
Winter	17	4	91															
Monsoon	17	1	100															
23.	Details of Rainwater recharging/Harvesting (m <sup>3</sup> /hr) proposal & technology proposed to be adopted	3 rain water recharge pits with dual bore have been proposed on additional land along with existing one rain water recharging pit.																
24.	Details of Solid waste generation (Qty), treatment facility and its disposal arrangement	<p>a) 431 kg/day  b) Solid waste will be appropriately segregated (at source by providing bins) into recyclable, Bio-degradable and non-biodegradable components.  c) 194 kg/day of Bio-degradable Solid Waste will be converted into Manure using Mechanical Composter of size 200 kg and the same will be used for horticulture proposes within the project site.  d) 228 kg/day of Non-biodegradable or dry waste will be handed over to authorized waste pickers as per Solid Waste Management Rules, 2016.  e) 9 kg/day of Domestic hazardous waste such as Discarded paint drums, pesticide cans, CFL bulbs, tube lights, expired medicines, broken mercury thermometers, used batteries and contaminated gauge, etc. will be disposed off to authorized vendors as per Solid Waste Management Rules, 2016.</p>																
25.	Details of Hazardous Waste & E- Waste generation (Qty), Treatment facility and its disposal arrangement	Used oil from DG sets (200 lt./annum) will be sold to registered recyclers and E-waste will be minimum and disposed off as per E-waste (Management) Amendment Rules, 2018.																
26.	Detail of DG sets	Total 2 nos. of DG sets of capacity 200 KVA and 250 KVA shall be proposed for standby use for emergency purposes after development of proposed																

		buildings. Presently, 1 DG set of capacity 125 KVA has been provided for existing project.			
27.	Air pollution control device details	DG set is being provided with acoustic enclosure and run on HSD fuel.			
28.	Energy Requirements & Saving	<p>a) 1186 KVA from PSPCL; out of which, 815 KVA (500 KVA + 315 KVA existing transformer) is existing load.</p> <p>b) Proposed 2 number of DG sets of capacity 200 KVA and 250 KVA each (silent DG set). Presently, 1 DG set of capacity 125 KVA has been provided for existing project</p> <p>Energy Saving measures:</p> <p>Solar panels have been proposed on the roof top of the proposed block. The total area covered by solar panels is 350 sq.m. (which is 30% of terrace area of proposed block i.e. 3,767.36 sq.ft.) which will generate 29 KW of power generation.</p> <ul style="list-style-type: none"> <li>• Roof top Area of proposed block = 1171.89 sq.m.</li> <li>• Space available for solar panel (@ 30 %) = 350 sq.m. (or 3,767.36 sq.ft.)</li> <li>• Area Req. per K.W = 12 sq.m.</li> <li>• Solar Power Generated = 29 KW</li> <li>• Cost approx. Rs 65,000 per KW</li> <li>• Total cost approx. = Rs. 19 Lakhs</li> </ul>			
29.	Details of Environmental Management Plan	Sr. No.	Environmental Protection Measures	Capital Cost Rs. Lakh	Recurring Cost Rs. Lakh
		1.	Construction	84	8
		2.	Operation	-	11
30.	a. Details of Corporate Environmental Responsibility (CER) indicating various activities to be undertaken as per the provision of OM dated 01.05.2018	(a) Karan Singla (Partner) of M/s. Shubham Builders will be responsible for implementation of CER (Corporate Environmental Responsibility) within 2 years of time. As project cost is Rs. 51.41 Crores, therefore, 1% of project cost i.e. Rs. 51.41 Lakhs needs to be reserved for CER activities as per Office Memorandum of CER dated 01.05.2018. Thus, it is proposed to spend Rs. 52 lakhs for providing wastewater treatment of village pond using wetland technology. Further, cleaning and beautification of pond will be done by developing green area around the pond. The undertaking regarding the same has been submitted.			

	b. Details of NOC from the village Sarpanch, Certificate from the School Principal & concerned Govt. Departments etc.	(b) The pond having an area of 0.3 acre in Village Magar has been proposed to be adopted only for CER activities. NOC regarding the pond adoption has been submitted.
31.	<p>Details of green belt development shall include following:</p> <p>a) No. of tree to be planted against the requisite norms.</p> <p>b) Percentage of the area to be developed.</p>	<p>(a) No. of trees reqd. = 1 tree per 80 sq.m. of plot area = <math>13,250 / 80 = 165.625</math> trees No. of trees proposed = 300 Trees; out of which, 242 trees have already been planted within the project premises</p> <p>(b) Green Area required = 1,950.574 sq.m (@ 15%) Green Area proposed = 1,964.94 sq.m (@ 15.11% of the net plot area)</p>

SEAC was satisfied with the presentation and reply submitted by the project proponent.

### 3.0 Recommendations

After detailed deliberations, SEAC decided to award 'Silver Grading' to the project proposal and to forward the application of the project proponent to SEIAA with the recommendations to grant Environmental Clearance for establishment of the group housing project namely "Gold Homes" having built-up area 30771.75 sqm in a total land area of 13,250 sqm located at village Sante Majra, Kharar Landran Road, Mohali (Punjab), as per the details mentioned in the Form 1, 1A, EMP & subsequent presentation /clarifications made by the project proponent and his consultant with, proposed measures, conditions prescribed conditions prescribed as under:

#### I. Statutory compliance:

- i) The project proponent shall obtain all necessary clearance/ permission from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.
- ii) The approval of the Competent Authority shall be obtained for structural safety of buildings due to earthquakes, adequacy of firefighting equipment, etc. as per National Building Code including protection measures from lightning, etc.
- iii) The project proponent shall obtain forest clearance under the provisions of the Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.
- iv) The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.



- v) The project proponent shall obtain Consent to Establish / Operate under the provisions of the Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board / Committee.
- vi) The project proponent shall obtain the necessary permission for drawl of ground water/ surface water required for the project from the competent authority.
- vii) A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained.
- viii) All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department shall be obtained, as applicable, by project proponents from the respective competent authorities.
- ix) The provisions of the Solid Waste (Management) Rules, 2016, E-Waste (Management) Rules, 2016, Construction & Demolition Waste Rules, 2016 and the Plastics Waste (Management) Rules, 2016 shall be followed.
- x) The project proponent shall follow the ECBC/ECBC-R prescribed by Bureau of Energy Efficiency, Ministry of Power strictly.
- xi) The project site shall conform to the suitability as prescribed under the provisions laid down under the master plan of respective city/ town. For that, the project proponent shall either to submit the NOC/ land use conformity certificate from Deptt. of Town and Country Planning or other concerned Authority under whom jurisdiction, the site falls.
- xii) Besides above, the project proponent shall also comply with siting criteria / guidelines, standard operating practices, code of practice and guidelines if any prescribed by the SPCB/CPCB/MoEF&CC for such type of projects.
- xiii) The project proponent shall get the layout plans approved from the Competent Authority for the activities / establishments to be set up at project site in consonance of the project proposal for which this environment clearance is applied.

## **II. Air quality monitoring and preservation**

- i) Notification GSR 94(E) dated 25.01.2018 of MoEF&CC regarding Mandatory Implementation of Dust Mitigation Measures for Construction and Demolition Activities for projects requiring Environmental Clearance shall be complied with.
- ii) A management plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site.
- iii) The project proponent shall install system to carryout Ambient Air Quality monitoring for common /criterion parameters relevant-to the main

pollutants released (e.g. PM10 and PM2.5) covering upwind and downwind directions during the construction period.

- iv) Diesel power generating sets proposed as source of backup power should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use of low sulphur diesel. The location of the DG sets may be decided with in consultation with State Pollution Control Board.
- v) Construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, continuous dust/ wind breaking walls all around the site (at least 3m height or 1/3rd of the building height and maximum upto 10m). Plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, murrum and other construction materials prone to causing dust pollution at the site as well as taking out debris from the site.
- vi) No Excavation of soil shall be carried out without adequate dust mitigation measures in place.
- vii) No loose soil or sand or construction & demolition waste or any other construction material that causes dust shall be left uncovered.
- viii) No uncovered vehicles carrying construction material and waste shall be permitted
- ix) All the topsoil excavated during construction activities should be stored for use in horticulture / landscape development within the project site.
- x) Grinding and Cutting of building material in open area shall be prohibited. Wet jet shall be provided for grinding and stone cutting.
- xi) Unpaved surfaces and loose soil shall be adequately sprinkled with water to suppress dust.
- xii) All construction and demolition debris shall be stored at the site within earmarked area and road side storage of construction material and waste shall be prohibited. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules 2016.
- xiii) The diesel generator sets to be used during construction phase shall be low sulphur diesel type and shall conform to Environmental (Protection) prescribed for air and noise emission standards.
- xiv) The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. Low sulphur diesel shall be used. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.

- xv) For indoor air quality the ventilation provisions as per National Building Code of India.
- xvi) Roads leading to or at construction site must be paved and blacktopped (i.e. metallic road)
- xvii) Dust Mitigation measures shall be displayed prominently at the construction site for easy public viewing.
- xviii) Construction and Demolition Waste Processing and Disposal site shall be identified and required dust mitigation measure be notified at the site.

### **III. Water quality monitoring and preservation**

- i) The natural drain system should be maintained for ensuring unrestricted flow of water.
- ii) No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape, and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rain water.
- iii) Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.
- iv) The total water requirement for the project will be 213 KL/day, out of which fresh water demand of 95 KL /day shall be met through groundwater and remaining through recycling of treated waste water from their own STP. Total fresh water use shall not exceed the proposed requirement as provided in the project details.
- vi) a)The total wastewater generation from the project will be 120 KL/day, which will be treated in STP to be installed within the project premises. As proposed, reuse of treated wastewater shall be as under:-

<b>Sr. No.</b>	<b>Season</b>	<b>For Flushing purposes (KLD)</b>	<b>Green Area (KLD)</b>	<b>MC Sewer KLD</b>
1.	Summer	17	11	84
2.	Winter	17	04	91
3.	Rainy	17	01	100

- b) Storage tank of adequate capacity shall be provided for the storage of treated wastewater and all efforts shall be made to supply the same for construction purposes.
- c) During construction phase, the project proponent shall ensure that the waste water being generated from the labour quarters/toilets shall be treated and disposed in environment friendly manner. The project proponent shall also exercise the option of modular bio-toilets or will provide

proper and adequately design septic tanks for the treatment of such waste water and treated effluents shall be utilized for green area/plantation

- vi) The project proponent shall ensure safe drinking water supply to the habitants. Adequate treatment facility for drinking water shall be provided, if required.
- vii) The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with six monthly Monitoring reports.
- viii) A certificate shall be obtained from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed, the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for ground water and surface water sources, ensuring that there is no impact on other users.
- ix) At least 20% of the open spaces as required by the local building bye-Laws shall be pervious. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as pervious surface.
- x) Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc and other for supply of recycled water for flushing, landscape irrigation, car washing, thermal cooling, conditioning etc. shall be done.
- xi) The respective project proponent shall discourage the installation of R.O. plants in their projects in order to save the wastage in form of RO reject. However, in case the requirement of installing RO plant is utmost necessary then the rejected stream from the RO shall be separated and shall be utilized by storing the same within the particular component i.e. (Tower/Mall) or in a common place in the project premises.
- xii) The project proponent shall also adopt the new/innovating technologies like less water discharging taps (faucet with aerators)/urinals with electronic sensor system /water less urinals / twin flush cisterns/ sensor based alarming system for overhead water storage tanks and make it a part of the environmental management plans / building plans so as to reduce the water consumption/ground water abstraction in their Building Construction & Industrial projects.
- xiii) The project proponent will provide plumbing system for reuse of treated wastewater for flushing/ HVAC/ other purposes etc. and colour coding of different pipe lines carrying water/wastewater from different sources / treated wastewater as follows:

Sr. No	Nature of the Stream	Color code
a)	Fresh water	Blue
b)	Untreated wastewater from Toilets/ urinal & from Kitchen	Black

c)	Untreated wastewater from Bathing/shower area, hand washing (Washbasin / sinks) and from Cloth Washing	Grey
d)	Reject water streams from RO plants & AC condensate (this is to be implemented wherever centralized AC system and common RO has been proposed in the Project). Further, in case of individual houses/establishment this proposal may also be implemented wherever possible.	White
e)	Treated wastewater (for reuse only for plantation purposes) from the STP treating black water	Green
f)	Treated wastewater (for reuse for flushing purposes or any other activity except plantation) from the STP treating grey water	Green with strips
g)	Storm water	Orange

- xiv) Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
- xv) The CGWA provisions on rain water harvesting should be followed. A rain water harvesting plan needs to be designed where the recharge bores of minimum one recharge bore per 5,000 square meters of built-up area and storage capacity of minimum one day of total fresh water requirement shall be provided. In areas where ground water recharge is not feasible, the rain water should be harvested and stored for reuse. As per the proposal submitted by the project proponent 3 no. rain water harvesting recharge pits (with dual bore) shall be provided for ground water recharging as per the CGWB norms. The ground water shall not be withdrawn without approval from the Competent Authority.
- xvi) All recharge should be limited to shallow aquifer.
- xvii) No ground water shall be used during construction phase of the project. Only treated sewage/wastewater shall be used. A proper record in this regard should be maintained and available at site.
- xviii) Any ground water dewatering should be properly managed and shall conform to the approvals and the guidelines of the CGWA in the matter. Formal approval shall be taken from the CGWA for any ground water abstraction or dewatering.
- xix) The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with six monthly Monitoring reports.
- xx) Sewage shall be treated in the STP with tertiary treatment. STP shall be installed in a phased manner viz a viz in the module system designed in such a way so as to efficiently treat the wastewater with an increase in its quantity due to rise in occupancy. The treated effluent from STP shall be recycled/reused for flushing, AC make up water and gardening. No treated water shall be disposed of into the municipal storm water drain.

- xxi) No sewage or untreated effluent water would be discharged through storm water drains. Onsite sewage treatment of capacity of treating 100% waste water to be installed. The installation of the Sewage Treatment Plant (STP) shall be certified by an independent expert and a report in this regard shall be submitted to the Ministry before the project is commissioned for operation. Treated waste water shall be reused on-site for landscape, flushing, cooling tower, and other end-uses. Excess treated water shall be discharged as per statutory norms notified by the Ministry of Environment, Forest and Climate Change. Natural treatment systems shall be promoted.
- xxii) Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odour problem from STP.
- xxiii) Sludge from the onsite sewage treatment, including septic tanks, shall be collected, conveyed and disposed as per the Ministry of Urban Development, Central Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.

#### **IV. Noise monitoring and prevention**

- i) Ambient noise levels shall conform to residential area/commercial area/industrial area/silence zone both during day and night as per Noise Pollution (Control and Regulation) Rules, 2000. Incremental pollution loads on the ambient air and noise quality shall be closely monitored during construction phase. Adequate measures shall be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/SPCB.
- ii) Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
- iii) Acoustic enclosures for DG sets, noise barriers for ground-run bays, ear plugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.

#### **V. Energy Conservation measures**

- i) Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured. Buildings in the States which have notified their own ECBC, shall comply with the State ECBC.
- ii) Outdoor and common area lighting shall be LED.
- iii) Concept of passive solar design that minimize energy consumption in buildings by using design elements, such as building orientation, landscaping, efficient building envelope, appropriate fenestration, increased. day lighting design and thermal mass etc. shall be incorporated in the building design. Wall, window, and roof u-values shall be as per ECBC specifications.
- iv) Energy conservation measures like installation of LEDs for the lighting the area outside the building should be integral part of the project design and should be in place before project commissioning.

- v) Solar, wind or other Renewable Energy shall be installed to meet electricity generation equivalent to 1 % of the demand load or as per the state level/ local building bye-laws requirement, whichever is higher.
- vi) Solar power by utilizing at least 30% of the roof top area shall be used for lighting in the apartment to reduce the power load on grid. Separate electric meter shall be installed for solar power. Solar water heating shall be provided to meet 20% of the hot water demand of the commercial and institutional building or as per the requirement of the local building bye-laws, whichever is higher. Residential buildings are also recommended to meet its hot water demand from solar water heaters, as far as possible.

## **VI. Waste Management**

- i) A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from project shall be obtained.
- ii) Disposal of muck during construction phase shall not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
- iii) Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste shall be segregated into wet garbage and inert materials.
- iv) Organic waste compost/ Vermiculture pit/ Organic Waste Converter within the premises with a minimum capacity of 0.3 kg /person/day must be installed for treatment and disposal of the waste.
- v) All non-biodegradable waste shall be handed over to authorized recyclers for which a written tie up must be done with the authorized recyclers.
- vi) Any hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.
- vii) Use of environment friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction material quantity. These include Fly Ash bricks, hollow bricks, AACs, Fly Ash Lime Gypsum blocks, Compressed earth blocks, and other environment friendly materials.
- viii) Fly ash should be used as building material in the construction as per the provision of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003 and 25th January, 2016. Ready mixed concrete must be used in building construction.
- ix) Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Rules, 2016.

- x) Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/ rules of the regulatory authority to avoid mercury contamination.

## **VII. Green Cover**

- i) No tree can be felled/transplant unless exigencies demand. Where absolutely necessary, tree felling shall be with prior permission from the concerned regulatory authority. Old trees should be retained based on girth and age regulations as may be prescribed by the Forest Department. Plantations to be ensured species (cut) to species (planted).
- ii) At least single line plantation all around the boundary of the project as proposed shall be provided. The open spaces inside the plot should be suitably landscaped and covered with vegetation of indigenous species/variety. A minimum of one tree for every 80 sqm (@ 166 trees of native varieties) of total project land should be planted and maintained. The existing trees will be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping. The plantation should be provided as per SEIAA guidelines.
- iii) Where the trees need to be cut with prior permission from the concerned local Authority, compensatory plantation in the ratio of 1: 10 (i.e. planting of 10 trees for every 1 tree that is cut) shall be done and maintained. Plantations to be ensured species (cut) to species (planted). Area for green belt development shall be provided as per the details provided in the project document.
- iv) Topsoil should be stripped to a depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stockpiled appropriately in designated areas and reapplied during plantation of the proposed vegetation on site.
- v) The project proponent shall not use any chemical fertilizer /pesticides /insecticides and shall use only Herbal pesticides/insecticides and organic manure in the green area.
- vi) The green belt along the periphery of the plot shall achieve attenuation factor conforming to the day and night noise standards prescribed for residential land use.

## **VIII. Transport**

- i) A comprehensive mobility plan, as per MoUD best practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public, and private networks. Road should be designed with due consideration for environment, and safety of users. The road system can be designed with these basic criteria.
  - a) Hierarchy of roads with proper segregation of vehicular and pedestrian traffic.
  - b) Traffic calming measures.



- c) Proper design of entry and exit points.
  - d) Parking norms as per local regulation.
- ii) Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards be operated only during non-peak hours.
  - iii) A detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 05 kms radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D./ competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.
  - iv) Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Parking should be fully internalized and no public space should be utilized.

#### **IX. Human health issues**

- i) All workers working at the construction site and involved in loading, unloading, carriage of construction material and construction debris or working in any area with dust pollution shall be provided with dust mask.
- ii) For indoor air quality the ventilation provisions as per National Building Code of India.
- iii) Emergency preparedness plan based on the Hazard identification and Risk Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
- iv) Occupational health surveillance of the workers shall be done on a regular basis.
- v) A First Aid Room shall be provided in the project both during construction and operations of the project.

#### **X. Corporate Environment Responsibility**

- i) The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility. The project proponent shall adhere to the commitments made in the proposal for CER activities for spending at least a minimum amount of Rs. 52 lacs will be spent under CER activities for providing

waste water treatment of village pond (Village Magar) using wetland technology. Further, cleaning and beautification of pond will be done by developing green area around the pond (to be provided by the Department of Rural Developments and Panchayats, Govt. of Punjab), as per the design evolved by Punjab Pollution control Board.

- ii) The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
- iii) A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
- iv) Action plan for implementing EMP and environmental conditions along with the responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year-wise funds earmarked for environmental protection measures shall be kept in separate accounts and not to be diverted for any other purpose. The project proponent shall spend the minimum amount of Rs 140.50 Lacs towards the capital cost and Rs 13.90 Lacs/annum towards recurring cost in the construction phase of the project including the environmental monitoring cost and shall spend the minimum amount of Rs 17.40 Lacs/annum towards the recurring cost in operation phase of the project including the environmental monitoring cost. The entire cost of the environmental management plan will continue to be borne by the project proponent until the responsibility of the environmental management plan is transferred to the occupier/residents society under proper MOU under intimation to SEIAA, Punjab. Year-wise progress of implementation of the action plan shall be reported to the Ministry/Regional Office along with the Six-monthly Compliance Report.

#### **XI. Validity**

- i) This environmental clearance will be valid for a period of seven years from the date of its issue or till the completion of the project, whichever is earlier.

#### **XII. Miscellaneous**

- i) The project proponent before allowing any occupancy shall obtain completion and occupancy certificate from the Competent Authority and submit a copy of the same to the SEIAA, Punjab.
- ii) The project proponent shall comply with the conditions of CLU, if obtained.
- iii) The project proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in the vernacular

language within seven days indicating that the project has been accorded environment clearance and the details of MoEFCC/SEIAA website where it is displayed.

- iv) The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
- v) The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
- vi) The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at Environment Clearance portal.
- vii) The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
- viii) The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
- ix) The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
- x) The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
- xi) No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
- xii) Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
- xiii) The SEIAA/Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
- xiv) The SEIAA/ Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
- xv) The Regional Office of this Ministry and Punjab Pollution Control Board shall monitor compliance of the stipulated conditions. The project authorities should

extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data/ information/monitoring reports.

- xvi) The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.
- xvii) Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

#### **4.0 Deliberations during the 174<sup>th</sup> meeting of SEIAA held on 31.10.2020**

The case was considered by SEIAA in its 174<sup>th</sup> meeting held on 31.10.2020 and was attended by the following on behalf of the project proponent:

- i) Sh. Karan Singla, Partner of the promoter company.
- ii) Dr. Sandeep Garg, EIA Coordinator & Smt. Simranjit Kaur of M/s Eco Lab, Mohali, Environmental Consultant of the project proponent.

Before allowing the Environmental Consultant to present the salient features of the project, to a query of SEIAA regarding the approved layout plan of the existing building having built up area 18,239.93 sqm, Environmental Consultant of the project proponent informed that layout plan of the existing project has been approved by the M.C. Kharar and it has also been clarified that by the M.C. Kharar vide letter No. 1798 dated 19.10.2020 that as per the drawing approved vide letter No. 242 dated 26.07.2017, the plot area and built up area of the project is 2.27 acres and 18239.93 sqm, respectively. The built up area of 18239 sqm includes the FAR (including stilt) @ 17,406.35 sqm and non FAR area @ 833.58 sqm.

Environmental consultant of the promoter company presented the salient features of the project before SEIAA. A copy of the presentation was also submitted which was taken on record.

To a query of SEIAA regarding the structural stability of the tower, Environmental Consultant informed that no construction activity has been started for tower where expansion has to be carried out.

To a query of SEIAA regarding location of the M.C. sewer, Environmental Consultant of the project proponent informed that the sewer is located at a distance of 1.5 kms and in case M.C. fails to provide the sewerline, in that case, sewerline shall be laid by the project proponent upto the main sewer on its own cost.

To another query of SEIAA regarding Chute system, Environmental Consultant of the promoter company informed that the same shall be provided for the expansion part of

the project. An undertaking submitted by the project proponent in this regard, which was taken on record.

During discussions, the representative of the promoter company agreed to comply with fully all the conditions as mentioned by SEAC.

The SEIAA observed that the case stands recommended by SEAC and the Committee has awarded 'Silver Grading' to the project proposal. The SEIAA looked into the details of the case and was satisfied with the same.

After detailed deliberations, SEIAA decided to accept the recommendations of SEAC and grant Environmental Clearance for expansion of existing building construction project namely "Gold Homes" having built-up area 30771.75 sqm (after expansion) in a total land area of 13,250 sqm located at village Sante Majra, Kharar Landran Road, Mohali (Punjab), as per the details mentioned in the Form 1, 1A, EMP & subsequent presentation /clarifications made by the project proponent and his consultant with, proposed measures, and subject to the following additional conditions, as agreed by the project proponent:-

**Additional Conditions:**

- i) Chute system for the expansion part, separate wet & drybins at ground level and for common areas for facilitating segregation of waste, collection centre and mechanical composter (with minimum capacity of 0.3kg/tenement/day) shall be provided for proper collection, handling, storage, segregation, treatment and disposal of solid waste.
- ii) The project proponent shall lay the sewerline upto the main M.C. sewer on its own cost in case M.C. fails to provide the sewerline before the completion of the project.

**Item No 174.07 : Application for Environmental Clearance under EIA notification dated 14.09.2006 for expansion of Integrated Township namely "Quark City" located at Plot Nos. A-40A & A-45, Focal Point Industrial Area, Phase VIIIIB, Mohali (Punjab) by M/s Quark City India Pvt. Ltd. (Proposal No. SIA/PB/MIS/31373/2017).**

**1.0 Background**

Earlier, M/s Quark City India Private Ltd was granted Environmental clearance under EIA notification dated 14.09.2006 by MoEF&CC vide no. J.12011/160/2005-IA (CIE) dated 11.04.2007 for the development of Information Technology and Knowledge-Based Industry Park/Special Economic Zone by constructing multi-storey buildings for housing, offices, commercial space and activities related to human living in an area of 51.3 acres having built-up area 4,15,531.21 sqm.

Thereafter, TORs were issued for expansion of the project by the MoEF&CC vide O.M F.No. 21-122/2017-IA-III dated 2nd June, 2017.

M/s Quark City India Pvt. Ltd has submitted EIA report vide proposal no SIA/PB/MIS/31373/2017 to SEIAA, Punjab for obtaining fresh Environmental Clearance under EIA notification dated 14.09.2006 for the expansion of Integrated Township namely "Quark City" located at Plot Nos. A-40A & A-45, Focal Point Industrial Area, Phase VIIIIB, Mohali (Punjab) in a plot area of 51.30 acres, and overall built-up area of 7,47,088.902 sqm.

EIA report was scrutinized by the AEE & Essential Details were sought on 03/05/19 and 03/09/2019 to which he replied on 24.07.2019 and 19.09.2019, respectively.

## **2.0 Deliberations during the 188<sup>th</sup> meeting of SEAC held on 04.03.2020**

The case was considered by SEAC in its 188<sup>th</sup> meeting held on 04.03.2020. SEAC was apprised that in compliance to the Ministry circular dated 07.09.2017 regarding environmental clearance to the expansion projects/activities under the EIA Notification, 2006, Regional Office of the Ministry was requested vide letter no 943 dated 13.11.2019 to submit certified compliance report of the conditions of the environmental clearance granted to M/s Quark city India Private Ltd .

Accordingly, the Regional Office of the Ministry vide letter no 5-81/2007-RO(NZ)/ 132 dated 14.02.2020 has sent the certified compliance report of the conditions of environmental clearance, which was perused by the SEAC. SEAC observed that project proponent has complied with condition no (viii), (x) and (xvii) of construction phase and condition no (iv), (v), (vi) and (ix) of the operation phase. However, condition no (i), (iii) and (viii) of the operation phase has not fully complied with. To query of SEAC regarding the compliance of these conditions, the project proponent submitted an undertaking dated 04.03.2020 as under: -

- i) With reference to the non-compliance mentioned at point no (i) regarding submission of STP adequacy report certified by an independent expert, it was submitted that they had hired experts for preparing the STP adequacy report and the same will be submitted within a month time.
- ii) With reference to the non-compliance mentioned at point no (iii) regarding not having in-vessel bio-conversion technique for handling solid waste, it was submitted that solid waste generated from the project will be handled as per Solid Waste Management Rules, 2016. Bio-methanation will be done in order to process the bio-degradable solid waste generated from the project.
- iii) With reference to the non-compliance mentioned at point no (vii) regarding the application of solar energy in common areas, it was submitted that solar panels having 200 KW will be installed on the rooftop of building within 12 months time.

SEAC was not satisfied with the reply of the project proponent.

However, on the request of SEAC allowed the environmental consultant of the project proponent to present salient features of the project. The details of the project as per the

application form and as presented by the environmental consultant along with various details as submitted during the meeting are as under:

S.No.	Item	Details						
1.	Online Proposal No.	SIA/PB/NCP/31373/2017						
2.	Name and Location of the project	Integrated Township namely "Quark City" located at Plot Nos. A-40A & A-45, Focal Point Industrial Area, Phase VIIIIB, Mohali (Punjab)						
3.	Latitude & Longitude	30°40'25"N Latitude 76°40'25"E Longitude.						
4.	Project/activity covered under item of scheduled to the EIA Notification, 14.09.2006	Sr. No. 8(b) 'Township and Area Development Projects'.						
5.	Whether the project is in critical polluted area or not.	No						
6.	If the project involves diversion of forest land. If yes, a. Extent of the forest land. status of the forest clearance.	No.						
7.	Does the project cover under PLPA, 190?	No						
8.	Does the project fall within 10 km of eco-sensitive area/ National park/Wild Life Sanctuary? If yes, a. Name of eco-sensitive area/ National park/Wild Life Sanctuary and distance from the project site. b. Status of clearance from the National Board for Wild Life (NBWL).	Yes i) City Bird Sanctuary is situated at a distance of 9.2 km from the project location. ii) The project is located outside the eco-sensitive zone of City Bird Sanctuary as Eco-Sensitive Zone of Sanctuary is 80 to 125 meters from the boundary of Sanctuary. iii) However, the application has been filed for NBWL clearance on 27.08.2016.						
9.	Classification/Land use pattern as per Master Plan	Industry & warehouse zone.						
10.	Cost of the project	Rs. 1500 Crores						
10 a	Environmental Clearance. Fee detail	Rs 7,47,090/- vide DD No. 761128/- dated 13.09.2019						
11.	Total Plot Area, Built-up Area and Green area	The details of the project are as under: <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>S.No.</th> <th>Description</th> <th>Area</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Plot area</td> <td>51.30 acres</td> </tr> </tbody> </table>	S.No.	Description	Area	1.	Plot area	51.30 acres
S.No.	Description	Area						
1.	Plot area	51.30 acres						

		2.	Built-up area	7,47,088.902 sq.m.				
		3.	Green area	45,200 sq.m.				
12.	Population (when fully operational)	Residential: 4990 Floating: 33862						
13.	Water Requirements & source in Construction Phase	The treated wastewater will be used for construction purposes and requirements of the same will be met from treated water from existing STP.  Domestic demand for 200 workers during peak period @ 9 KLD (@ 45 LPCD) shall be met from the groundwater						
14.	Breakup of Water Requirements including expansion & source in Operation Phase (Summer, Rainy, Winter):							
	S.N o.	Season	Fresh water		Reuse water		Total (KLD) includi green area	
			Domestic (KLD)	Make up water for Swimmi ng pool (KLD)	Flushing (KLD)	Green area (KLD)	HVAC (KLD)	
	1.	Summer	1755	30	766	249	620	3420
	2.	Winter	1755	30	766	81	-	2632
	3.	Rainy	1755	30	766	23	620	3194
	S.No.	Description		Source of water				
	1.	Domestic		Borewells (12 Nos)				
	2.	Flushing purposes		Treated wastewater				
	3.	Green area		Treated wastewater				
	4.	HVAC		Treated wastewater				
15.	Treatment & Disposal arrangements of wastewater in Construction Phase	Wastewater generated will be treated in existing STP and treated wastewater will be used for plantation purposes.  Waste Material handling will be carried out as per Construction and Demolition (C&D) Waste Management Rules, 2016. The site contractor will be responsible for the collection & storage of construction and demolition waste generated on the site.						



16.	Disposal Arrangement of Wastewater in Operation Phase			<p>Total wastewater generated will be 2170 KLD out of which 1404 KLD (grey water) will be treated in WWTP of existing 750, 150 &amp; 32 KLD capacity and Proposed 500 KLD capacity and remaining wastewater 766 KLD (black water which includes 572 KLD existing wastewater generation) will be treated in existing STPs of 800, 100 in F7, 150 in F2 and 48 KLD in R7.</p> <p>Reuse of treated wastewater available at outlet of STP of 2127 KLD after considering evaporation losses @ 2% in 2170 KLD and discharge of surplus treated wastewater is given as under: _</p>			
	Season	Flushing (KLD)	Green area (KLD)	Make up water for HVAC cooling tower	Sewer (KLD)	Total KLD	
	Summer	766	249	620	492	2127	
	Winter	766	81	0	1280	2127	
	Monsoon	766	23	620	718	2127	
17.	Rainwater recharging detail			<p>6433.1 m<sup>3</sup>/hr of rainwater will be collected in 6 existing &amp; 7 proposed rainwater recharging pits. Hence, a total of 13 recharging pit shall be provided.</p>			
18.	Solid waste generation and its disposal			<p>a) 8,769 kg/day b) Solid waste is being duly segregated (at source by providing bins) into Bio-degradable, non-biodegradable components and hazardous waste.</p> <p>A separate area is earmarked for the segregation of solid waste.</p> <p>Biodegradable waste of existing buildings is being composted by vermicomposting, while mechanical composter has also been proposed for the future buildings.</p> <p>A shed area of total 678.74 square feet, sufficient to accommodate four vermi beds about 20'.4" x 5'.10" x 3'.3", 24'.9" x 7'.6" x 3'.3", 20'.0" x 7'.6" x 3'.3" &amp; 20'.4" x 6'.0" x 3'.3" has been provided.</p> <p>Non-biodegradable or dry waste is being handed over to authorized waste pickers</p>			

		Domestic hazardous waste is being disposed of to authorized vendors as per Solid Waste Management Rules, 2016.			
	Parking requirement	Required: 7146 ECS Proposed: 8025 ECS			
19.	Hazardous Waste & E-Waste	Used oil from DG sets will be sold to registered recyclers and E-waste will be disposed of as per the E-waste (Management) Amendment Rules 2018.			
20.	Energy Requirements & Saving	<p>a) 30 MW from PSPCL. b) Total 3 DG Sets of 1650 KVA each are already provided for backup of existing buildings and 13 DG Sets of 1250 KVA each are proposed for future buildings for emergency purposes.</p> <p><u>Energy Saving measures:</u> solar panels have been proposed on the rooftop of the proposed buildings. The total area covered by solar panels will be 18,730 m<sup>2</sup> which will generate solar power generation.</p>			
21.	Environment Management Plan along with Budgetary break-up phase-wise and responsibility to implement	Description	Capital cost (lakhs)	Recurring cost (lakhs)	Monitor Air, water annum)
		Construction	2043	-	2
		Operation	-	28	2
22.	CER activities along with budgetary break-up and responsibility to implement				
Mr. Rajesh Sharma will be responsible for the implementation of CER (Corporate Environmental Responsibility) within 7 years. Rs 3.75 Crores (0.25% of Rs. 1,500 Crores) has been planned to be reserved for CER.					

SEAC made certain observation to which proponent replied as under:

**1) Observation 1:**

Submit compliance of the following condition of the earlier granted environmental Clearance of the operation phase, which was reported "not complied" by MoEF & CC: -

- i) Condition no (i) of operation phase regarding submission of STP adequacy report certified by an independent expert. The report must comment upon the capacity of all the existing STP/WWTP installed by the promoter company.
- ii) Condition no (iii) of operation phase (iii) regarding not having in-vessel bio-conversion technique for handling solid waste.

- iii) Condition no (vii) of operation phase (vii) regarding the application of solar energy in common areas.

### Reply 1

- i) Presently, one STP of 800 KLD capacity is operational in the project. The plant comprises primary, secondary and tertiary treatment consisting of a screen chamber, oil & grease trap, collection tank, aeration tank, pressure sand filter, activated carbon filter, hypo dosing, etc. The capacity of STP is 800 KLD which is sufficient to handle the existing sewage load of 572 KLD generated from the project. The certificate in this aspect from Eco Paryavaran Engineers & Consultant Pvt. Ltd. was submitted. Further, treated water from STP was being monitored regularly for its performance. Copy of recent test report from IDMA Laboratories Limited was submitted which indicates that the treated wastewater is meeting the prescribed standards for all the parameters.
- ii) Presently, the biodegradable solid waste being generated from the existing buildings is being composted through vermicomposting. A shed area of total 678.74 square feet, having four vermibeds with dimensions 20'.4" x 5'.10" x 3'.3", 24'.9" x 7'.6" x 3'.3", 20'.0" x 7'.6" x 3'.3" & 20'.4" x 6'.0" x 3'.3" have been provided. Layout of the vermiculture plant was also submitted

Further, as suggested, a Bio-methanation plant of 4,000 kg/day will also be looked into in order to process the bio-degradable solid waste generated from the project. Site layout plan showing location of Solid waste management area including segregation was also submitted. Revised EMP stating cost during construction & operation phase including all the environment-related measures was also submitted. The details of the same are given below: -

Table 1(a): EMP cost during Construction Phase

S. No.	Environmental Aspect	Cost (Rs. in Crores)
1.	Rainwater harvesting & groundwater recharge	1.5
2.	Wastewater and Sewage Treatment Plant & Sewage Pumping stations	3.75
3.	Solid Waste Management	3.15
4.	Noise pollution Control	0.5
5.	Green Areas	2.33
6.	Fire fighting	10.5
7.	Solar Panels	12

8.	Monitoring expenses	0.02
9.	Miscellaneous	0.1
Total Cost on EMP		Rs. 33.85 Crores

**Table 1(b): EMP cost during Operation Phase**

S.No.	Environmental Aspect	Recurring Cost per annum (Rs. in Lakhs)
1.	Rainwater harvesting & groundwater recharge	2
2.	Wastewater and Sewage Treatment Plant & Sewage Pumping stations	13
3.	Solid Waste Management	10
4.	Noise Pollution Control	0.5
5.	Green Areas	6.5
6.	Fire fighting	2
7.	Solar panels	5
8.	Monitoring expenses	2
Total recurring Cost on EMP		Rs. 41 Lakhs

- iii) The solar panel with power generation capacity of 200 KW will be installed on the rooftop of the building within 12 months. In addition to it, solar lights will be installed in common areas for external lightning within a month. Undertaking in this regard was submitted. The cost for solar panel has already been included in EMP cost

## **2) Observation 2**

Submit a concrete proposal of revised CER activities as per the OM dated 01.05.2018 indicating the timeline and the corresponding amount to be spent in the nearby villages along with the consent of their Sarpanch.

### **Reply 2**

Rajesh Sharma (Chief Operating Officer) of M/s Quark City India Pvt. Ltd.; developers of Project "Quark City" located at Plot Nos. A-40A & A-45, Focal Point Industrial Area, Phase VIIIB, Mohali, Punjab submitted that the overall cost of the project is Rs. 1500 Crores. Thus, 0.25% of Rs. 1500 Crores i.e. Rs. 375 Lakhs needs to be spent on CER as per Office Memorandum dated 01.05.2018. M/s

Quark City India Pvt. Ltd. proposes to spend Rs. 375 lakhs in 7 years of times per the following activities: \_

S. No.	Activities	Time plan							Total expenditure (in 7 years)
		1	2	3	4	5	6	7	
1.	<b>Adoption of Village Badi Naggal</b>								
	• Setting up of sewerage system.	35	30	20	-	-	-	-	85
	• Construction & maintenance of Village road	-	-	-	-	35	-	-	35
	• Maintenance of school building.	-	-	-	-	-	-	25	25
	• Digging of borewell and providing drinking water supply to the villagers.	-	-	-	-	-	-	10	10
	• Installation of solar panel on the govt. buildings in the village	-	-	-	-	-	25	-	25
	• Wastewater treatment of village pond (to be provided by the Department of Rural Developments and Panchayats, Govt. of Punjab), as per the design evolved by Punjab Pollution Control Board.	-	-	-	35	-	-	-	35
2.	<b>Adoption of Village Choti Naggal</b>								
	• Setting up of sewerage system.	-	35	10	-	-	-	-	45
	• Providing drinking water supply to the villagers.	-	-	-	-	-	-	10	10
	• Wastewater treatment of village pond as per the design evolved by Punjab Pollution Control Board.	-	-	35	-	-	-	-	35
3.	Wastewater treatment of village pond as per the design evolved by Punjab Pollution Control Board in Village Padol	-	-	-	-	35	-	-	35

4.	Wastewater treatment of village pond as per the design evolved by Punjab Pollution Control Board in Village Mullanpur	-	-	-	-	-	35	-	35
	<b>Total amount to be spent on CER</b>	35	65	65	35	70	60	45	375

### 3) Observation 3

Clarify as to whether proposed building such as M 1, M 2 & M 3: Site for Hotels, Multiplex & Shopping Mall, etc., C1: Site for common facilities, R 1, R 2, R 3, R 4 & R 5: Site for residential buildings, are permissible in the "Industry & warehouse zone" of the Master Plan.

#### Reply 3

As per the Master plan of SAS Nagar, "in Industry & warehouse zone"; green & orange category industries and logistics are permitted with a minimum site area requirement of 50 acres. Computer software development; Knowledge Park; Assembly and repair of computer hardware and electronic equipment; Printing, publishing and allied industries; Packing of dried foodstuff; Warehouse except for storage of chemicals, etc. are some of the examples of development permitted in the said zone.

The plot area of the project is 51.3 acres which is more than permissible area of 50 acres. Out of which, 10% is reserved for common facilities, 60% is reserved for industrial purposes (non-polluting knowledge-driven industries like information technology, business processes outsourcing), 30% for residential purposes and 10% for commercial purposes.

All these components have already been approved by GMADA during the time of layout/building plan approval vide Memo No. 8195 CTP(Pb)/SC-122 dated 17.12.2019. In addition to it, existing buildings have been granted Consent to Operate from PPCB. Also, earlier Environmental Clearance has been accorded for developing Information Technology and Knowledge-based Industry Park, Special Economic Zone for housing, offices, commercial space, etc.

Thus, buildings such as M 1, M 2 & M 3 (site for Hotels, Multiplex & Shopping Mall, etc.); C1 (site for common facilities); R1, R2, R3, R4 & R5 (site for residential buildings) are permissible in the project.

### 4) Observation 4

Specify what kind of low-rise Non-polluting industry allowed in the project site.

#### Reply 4

As project comprises of the components such as Information Technology, Business processes outsourcing, etc.), etc. which comes under orange and green

category industries. Further, no project covered under Category A or B as per EIA Notification, 2006 and its amendments will be allowed except Schedule 8(a) & 8(b). In addition to it, no chemicals and hazardous storage is allowed in the project.

### 5) Observation 5

Details of the green area proposed in the project.

#### Reply 5

- i) Green belt has been proposed all along the boundary of the project.
- ii) Green area of 45,200 sqm. (i.e. more than the permissible green area requirement) has been proposed along the roads as well as within the designated sites.
- iii) No. of trees required = 1 tree per 80 sqm. of plot area
- iv) No. of trees required =  $2,07,602.123 / 80 = 2,595$  trees.
- v) No. of trees proposed = 5,000 trees out of which, 3,018 trees have been planted within the project so far.

### 6) Observation 6

Submit the proposal for the treatment of wastewater to make it fit for utilizing as make up water for HVAC cooling.

#### Reply 6

The wastewater treatment comprises steps such as pH adjustment, primary coagulation, sedimentation tank, pH adjustment, secondary coagulation, sedimentation tank and treated water will be obtained. The treated wastewater will be further passed through softener to make it suitable for use in HVAC. The soft water will be having TDS less than 10 mg/l and will be used as make up water for HVAC cooling. The cost for softener has already been included in EMP cost.

### 7) Observation 7

Submit the details of the Requirement of water, wastewater generation and treatment for the existing, proposed expansion and after expansion, separately.

#### Reply 7

- i) The existing population of the project is 13,400 persons. Details of the actually existing population in comparison to the overall estimated population is calculated as under:

Sr. No.	Description	Actual Population	Proposed	Overall, after expansion
1.	Residents	400	4,590	4,990
2.	Floating population	13,000	20,862	33,862

	Total Estimated Population	13,400	25,452	38,852
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ii) Water requirement and wastewater generation is calculated as under:-

Sl. No.	Description	Criteria	Existing (in KLD)	Proposed (in KLD)	Overall, after expansion (in KLD)
1.	Residential	@ 200 lpcd	80	918	998
2.	Floating population	@ 45 lpcd	585	938	1,523
	Total water req.		665 KLD	1,856 KLD	2,521 KLD
	Wastewater load		572 KLD	1,598 KLD	2,170 KLD
	Treatment		WWTP of 750, 150 & 32 KLD capacity have been installed and STP of 800, 100, 150 & 48 KLD capacity.  Out of which, STP of 800 KLD is operational.	WWTP of 500 KLD capacity	WWTP of 750, 150, 32 & 500 KLD capacity and STP of 800, 100, 150 & 48 KLD capacity.

iii) Presently, WWTP of 750, 150 & 32 KLD capacity have been installed and STP of 800, 100, 150 & 48 KLD capacity have been installed at the site.

Initially, small modular STP & WWTP were installed as per the quantity of sewage/wastewater generation. Hence, gradually with the increase in the quantity of sewage/wastewater generation, new plants of higher capacities were installed instead of upgrading the smaller units. However, presently one STP of 800 KLD capacity is operational which is sufficient to cater sewage load of 572 KLD and small modular types are currently non-functional. The plant comprises primary, secondary and tertiary treatment consisting of a screen chamber, oil & grease trap, collection tank, aeration tank, pressure sand filter, activated carbon filter, hypo dosing, etc. The cost has already been included in EMP. 500 KLD capacity of WWTP is proposed in addition to the existing STP/WWTPs.

## 8) Observation 8



Submit the concrete proposal of bio-methanization to handle solid waste in an environmentally sound manner.

### **Reply 8**

The detailed write up for bio-methanation along with cost was submitted. Site layout plan indicating the location of the Solid waste management area including segregation was submitted. If in any case, the option for installation of bio-methanation plant is not found suitable, pyrolysis of the solid waste generated from the project will be done. Further, it is to assure you that no solid waste will be dumped outside the project premises and it will be treated within the project premises only.

SEAC was satisfied with the reply of the project proponent and took the reply on record.

### **3.0 Recommendations**

After deliberations, SEAC decided to award 'Silver Grading' to the project proposal and to forward the application of the project proponent to SEIAA with the recommendations to grant Environmental Clearance for 2006 for the expansion of Integrated Township namely "Quark City" having built-up area of 7,47,088.902 sqm in total land of 51.30 acres located at Plot Nos. A-40A & A-45, Focal Point Industrial Area, Phase VIII B, Mohali (Punjab) as per the details mentioned in the Form 1, 1A, EMP & subsequent presentation /clarifications made by the project proponent and his consultant with, proposed measures, conditions prescribed in **Annexure-I of the proceedings** subject to following special conditions, additions, amendments and deletions given as under:

#### **Special conditions**

- i) No industry covered under Category "A" and "B" falling in the Schedule appended to the EIA notification, 2006 (as amended from time to time) shall be allowed to be established except category under 8 (a) and 8(b) in Integrated Township namely "Quark City" located at Plot Nos. A-40A & A-45, Focal Point Industrial Area, Phase VIII B, Mohali. However, other industries (not covered in the EIA notification, 2006), although categorized as Orange, Green and White as per the PPCB classification are allowed to be established.
- ii) Orange, Green and White category of industries such as Information Technology, Business processes outsourcing, Computer software development; Knowledge Park; Assembly and repair of computer hardware and electronic equipment; Printing, publishing and allied industries; Packing of dried foodstuff; Warehouse except for storage of chemicals and hazardous storage, etc., are allowed to be set up as per the layout plan approved by the GMADA. Further, no red category of industry shall be allowed to be established.
- iii) Each individual industry or project will obtain mandatory permissions like Consent to Establish, Consent to Operate and Hazardous Waste authorization under the pollution control laws from the Punjab Pollution Control Board.
- iv) No water-intensive industries shall be allowed to establish and plots will be allotted to those Industries which will achieve Zero Liquid Discharge.
- v) High Air Polluting industry like cement grinding units, Induction (more than 500 kgs/ heat)/ Cupola furnaces/ Reheating Rolling Mills, Brick Kilns, Sella Plants, etc.

shall not be allowed to established.

- vi) All DG sets shall be equipped with canopies.
- vii) The project proponent shall provide Piezometers at the project site as per the CGWA guidelines.
- viii) The individual industry/plot holder shall not install any groundwater abstraction structure without permission from the CGWA or competent authority.
- ix) In case of future requirements, no groundwater will be abstracted by "Quark City" without obtaining NOC from competent authority.

**Conditions to be added in section III of Water quality monitoring and preservation of Annexure-I as under: -**

- i) Softener shall be installed for treated wastewater to make it fit ( $TDS \leq 10 \text{ mg/l}$ ) for HVAC cooling and the cost of the same will be included in the Environment Management Plan.
- ii) The wastewater generated from swimming pool(s) shall not be discharged and the same shall be reused within the premises for purposes such as horticulture, HVAC, etc

**Conditions to be amended in the Annexure-I as under: -**

**Condition no. iv), v-a) & xv) of III. Water quality monitoring and preservation**

- iv) The total water requirement for the project including the demand for swimming pool and landscaping in the summer season will be 3420 KLD, out of which 2551 KLD shall be met through groundwater and remaining through recycling of treated wastewater. Total freshwater use shall not exceed the proposed requirement as provided in the project details.
- v) a)The total wastewater generation from the project will be 2170 KLD, which will be treated in WWTP of capacity 750, 150, 32 (existing) & 500 KLD (additional proposed) and STP of capacity 800, 100, 150 & 48 KLD (Existing), within the project premises. However, 2127 KLD treated wastewater will be available at the outlet of STPs after considering evaporation losses. As proposed, reuse of treated wastewater and discharge of surplus treated wastewater shall be as under: -

Sr. No.	Season	Flushing (KLD)	Green Area (KLD)	Make up water for cooling Tower (KLD)	Sewer (KLD)	Total (KLD)
1.	Summer	766	249	620	492	2127
2.	Winter	766	81	0	1280	2127
3.	Rainy	766	23	620	718	2127

- xv) A rainwater harvesting plan needs to be designed where the recharge bores of minimum one recharge bore per 5,000 square meters of built-up area and storage capacity of minimum one day of total freshwater requirement shall be provided. Thus, 13 nos of rainwater harvesting recharge pits (with dual-bore) shall be provided for groundwater recharging as per CGWA norms. In areas where groundwater recharge is not feasible, the rainwater should be harvested and stored for reuse. The groundwater shall not be withdrawn without approval from the Competent Authority.

**Additional Condition no. vii of V. Energy Conservation Measures.**

- vii) As proposed, a solar plant of capacity 200 KW, shall be installed on the rooftop of the building, within 12 months. Also, solar lights in the common area will be installed for external lightening within a month time.

**Condition no. iv of VI. Waste Management.**

- iv) Bio methanation Plant of minimum capacity of 4,000 kg/day to treat biodegradable waste must be installed. As proposed, an amount of Rs 1.4 Crores shall be kept in the Environment Management Plan for the same.

**Condition no. ii of VII. Green Cover.**

- vi) Minimum 5000 trees will be planted and maintained in the project site. Also, the Green area of 45,200 sqm. (i.e. more than the permissible green area requirement) shall be maintained on the designated sites and along the roadsides. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping.

**X. Condition no. i) & iv) of X Corporate Environment Responsibility**

- iv) The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1<sup>st</sup> May 2018, as applicable, regarding Corporate Environment Responsibility. The project proponent shall adhere to the commitments made in the proposal for spending Rs. 375 Lakhs on CER activities mentioned as per details given below:

S. No.	Activities	Time plan							Total expenditure (in 7 years)
		1	2	3	4	5	6	7	
1.	Adoption of Village Badi Naggal								
	• Setting up of sewerage system.	35	30	20	-	-	-	-	85
	• Construction & maintenance of Village road	-	-	-	-	35	-	-	35
	• Maintenance of school building.	-	-	-	-	-	-	25	25

	• Digging of borewell and providing drinking water supply to the villagers.	-	-	-	-	-	-	10	10
	• Installation of solar panel on the govt. buildings in the village	-	-	-	-	-	25	-	25
	• Wastewater treatment of village pond (to be provided by the Department of Rural Developments and Panchayats, Govt. of Punjab), as per the design evolved by Punjab Pollution Control Board.	-	-	-	35	-	-	-	35
2.	Adoption of Village Choti Naggal								
	• Setting up of sewerage system.	-	35	10	-	-	-	-	45
	• Providing drinking water supply to the villagers.	-	-	-	-	-	-	10	10
	• Wastewater treatment of village pond as per the design evolved by Punjab Pollution Control Board.	-	-	35	-	-	-	-	35
3.	Wastewater treatment of village pond as per the design evolved by Punjab Pollution Control Board in Village Padol	-	-	-	-	35	-	-	35
4.	Wastewater treatment of village pond as per the design evolved by Punjab Pollution Control Board in Village Mullanpur	-	-	-	-	-	35	-	35
	Total amount to be spent on CER	35	65	65	35	70	60	45	375

\*Note: - The amount to be spent on CER activities shall be proportionate to the amount spent on project & such activities shall run parallel to the project execution. All the activities must be completed with the completion of the project

iv) Action plan for implementing EMP and environmental conditions along with the responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The Year-wise funds earmarked for environmental protection measures shall be kept in separate accounts and not to be diverted for any other purpose. The project proponent shall spend a minimum amount of Rs 3385 Lacs towards the capital cost in the construction phase of the project including the

environmental monitoring cost and shall spend a minimum amount of Rs 41 Lacs/annum towards recurring cost in operation phase of the project including the environmental monitoring cost. The entire cost of the environmental management plan will continue to be borne by the project proponent until the responsibility of the environmental management plan is transferred to the occupier/resident's society under proper MOU under intimation to SEIAA, Punjab. Year-wise progress of implementation of the action plan shall be reported to the Ministry/Regional Office along with the Six-Monthly Compliance Report.

#### **4.0 Deliberations during 164<sup>th</sup> meeting of SEIAA held on 12.06.2020**

The meeting was attended by the following through online Video Conference:

- i) Sh. Rajesh Sharma, General Manager, on behalf of the promoter company.
- ii) Sh. Sandeep Garg, EIA Coordinator, M/s Eco Laboratories and Consultants Pvt. Ltd., E-207, Industrial Area, Phase VIII B (Sector- 74), SAS Nagar (Mohali), Punjab.

Environmental Consultant of the project proponent presented the salient features of the project which was taken on record. During the meeting, the following observations were made to which project proponent replied as under:

<b>Sr. No</b>	<b>Observations</b>	<b>Reply</b>
1	What are the names of the villages which were initially acquired for the establishment of the project? Whether any of the villages are covered under the PLPA, 1900. If yes, then NOC from the competent authority to the effect that no part of the project land is notified under PLPA Act, 1900 be submitted else submit the details of Khasra Nos of land notified under PLPA Act, 1900	The project proponent sought some time to submit the detail.
2.	What is the distance of the project site from National Highway-5?	The NH-5 passes adjacent to the site but, the project proponent could not submit the exact details in this regard.
3	Bio methanation Plant of minimum capacity of 4,000 kg/day to treat biodegradable waste has been proposed. For what purposes methane gas be utilized	Methane gas shall be utilised for cooking proposed within the project site.
4	What kind of industries to be allowed in the project?	No industry covered under Category "A"/ "B" falling in the Schedule appended to the

		<p>EIA notification, 2006 (as amended from time to time) except category 8 (a) and 8(b), shall be allowed to establish.</p> <p>Whereas other industries (not covered in the EIA notification, 2006), although categorized, Orange, Green and White as per the PPCB classification are allowed to be established. No red category shall be allowed to be established. An undertaking in this regard shall be submitted shortly.</p>
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After detailed deliberations, SEIAA decided to defer the case, ask the project proponent to submit the reply for the observation mentioned at Sr No. 1,2 & 4. The case be placed again before it after getting the reply from the project proponent.

In compliance with the aforesaid decision, ADS was raised online to which project proponent submit its reply on 29.10.2020. A copy of the said reply is attached as Annexure A.

#### **5.0 Deliberations during the 174<sup>th</sup> meeting of SEIAA held on 31.10.2020**

The case was considered by SEIAA in its 174<sup>th</sup> meeting held on 31.10.2020 and was attended by the following on behalf of the project proponent:

- i) Sh. Rajesh Sharma, G.M. of the promoter company.
- ii) Dr. Sandeep Garg, EIA Coordinator & Smt. Simranjit Kaur of M/s Eco Lab, Mohali, Environmental Consultant of the project proponent.

Environmental consultant of the promoter company presented the reply to the earlier raised observations as under:-

<b>Sr. No</b>	<b>Observations</b>	<b>Reply</b>
1	<p>What are the names of the villages which were initially acquired for the establishment of the project?</p> <p>Whether any of the villages are covered under the PLPA, 1900. If yes, then NOC from the competent authority to the effect that no part of the project land is notified under PLPA Act, 1900 be submitted else submit the details of Khasra Nos of land notified under PLPA Act, 1900</p>	<p>The project land initially falls under Village Sohana, Tehsil Kharar, District Ropar. Further, revenue records have been certified by Advocate Mr. Lalit Sood. Sohana is not covered under the PLPA Act, 1900. Thus NOC is not required.</p>

2.	What is the distance of the project site from National Highway-5?	The NH-5 is located at a distance of approx.. 4 km from the project.
4	What kind of industries to be allowed in the project?	<p>The project falls under industry &amp; warehouse zone as per Master Plan of SAS Nagar. According to which, green &amp; orange category industries and logistics are permitted. Computer software development Knowledge Park, Assembly and repair of computer hardware and electronic equipment, printing publishing and allied industries, packing of dried foodstuff, warehouse except for storage of chemicals etc. are some of the examples of industries permitted in the said zone.</p> <p>The plot area of the project is 5.13 acres. Out of which, 60% is reserved for industrial purposes (non-polluting knowledge driven industries like information technology, business processes outsourcing etc.</p>

SEIAA was satisfied with the reply of the project proponent.

During discussions, the representative of the promoter company agreed to comply with fully all the conditions as mentioned by SEAC.

The SEIAA observed that the case stands recommended by SEAC and the Committee has awarded 'Silver Grading' to the project proposal. The SEIAA looked into the details of the case and was satisfied with the same.

After detailed deliberations, SEIAA decided to accept the recommendations of SEAC and grant Environmental Clearance for the expansion of Integrated Township namely "Quark City" having built-up area of 7,47,088.902 sqm in total land of 51.30 acres located at Plot Nos. A-40A & A-45, Focal Point Industrial Area, Phase VIIIIB, Mohali (Punjab), as per the details mentioned in the Form 1, 1A, EMP & subsequent presentation /clarifications made by the project proponent and his consultant with, proposed measures, and subject to the following conditions, as agreed by the project proponent:-

**Statutory compliance:**

- i) The project proponent shall obtain all necessary clearance/ permission from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.

- ii) The approval of the Competent Authority shall be obtained for structural safety of buildings due to earthquakes, adequacy of firefighting equipment, etc. as per National Building Code including protection measures from lightening, etc.
- iii) The project proponent shall obtain forest clearance under the provisions of the Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.
- iv) The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
- v) The project proponent shall obtain Consent to Establish / Operate under the provisions of the Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board / Committee.
- vi) The project proponent shall obtain the necessary permission for drawl of ground water/ surface water required for the project from the competent authority.
- vii) A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained.
- viii) All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department shall be obtained, as applicable, by project proponents from the respective competent authorities.
- ix) The provisions of the Solid Waste (Management) Rules, 2016, E-Waste (Management) Rules, 2016, Construction & Demolition Waste Rules, 2016 and the Plastics Waste (Management) Rules, 2016 shall be followed.
- x) The project proponent shall follow the ECBC/ECBC-R prescribed by Bureau of Energy Efficiency, Ministry of Power strictly.
- xi) The project site shall confirm to the suitability as prescribed under the provisions laid down under the master plan of respective city/ town. For that, the project proponent shall either to submit the NOC/ land use conformity certificate from Deptt. of Town and Country Planning or other concerned Authority under whom jurisdiction, the site falls.
- xii) Besides above, the project proponent shall also comply with siting criteria / guidelines, standard operating practices, code of practice and guidelines if any prescribed by the SPCB/CPCB/MoEF&CC for such type of projects.
- xiii) The project proponent shall get the layout plans approved from the Competent Authority for the activities / establishments to be set up at project site in consonance of the project proposal for which this environment clearance is applied.

## **II. Air quality monitoring and preservation**

- i) Notification GSR 94(E) dated 25.01.2018 of MoEF&CC regarding Mandatory Implementation of Dust Mitigation Measures for Construction and Demolition Activities for projects requiring Environmental Clearance shall be complied with.



- ii) A management plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site.
- iii) The project proponent shall install system to carryout Ambient Air Quality monitoring for common /criterion parameters relevant-to the main pollutants released (e.g. PM10 and PM2.5) covering upwind and downwind directions during the construction period.
- iv) Diesel power generating sets proposed as source of backup power should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use of low sulphur diesel. The location of the DG sets may be decided with in consultation with State Pollution Control Board.
- v) Construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, continuous dust/ wind breaking walls all around the site (at least 3m height or 1/3rd of the building height and maximum upto 10m). Plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, murrum and other construction materials prone to causing dust pollution at the site as well as taking out debris from the site.
- vi) No Excavation of soil shall be carried out without adequate dust mitigation measures in place.
- vii) No loose soil or sand or construction & demolition waste or any other construction material that causes dust shall be left uncovered.
- viii) No uncovered vehicles carrying construction material and waste shall be permitted
- ix) All the topsoil excavated during construction activities should be stored for use in horticulture / landscape development within the project site.
- x) Grinding and Cutting of building material in open area shall be prohibited. Wet jet shall be provided for grinding and stone cutting.
- xi) Unpaved surfaces and loose soil shall be adequately sprinkled with water to suppress dust.
- xii) All construction and demolition debris shall be stored at the site within earmarked area and road side storage of construction material and waste shall be prohibited. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules 2016.
- xiii) The diesel generator sets to be used during construction phase shall be low sulphur diesel type and shall conform to Environmental (Protection) prescribed for air and noise emission standards.
- xiv) The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG

sets to mitigate the noise pollution. Low sulphur diesel shall be used. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.

- xv) For indoor air quality the ventilation provisions as per National Building Code of India.
- xvi) Roads leading to or at construction site must be paved and blacktopped (i.e. metallic road)
- xvii) Dust Mitigation measures shall be displayed prominently at the construction site for easy public viewing.
- xviii) Construction and Demolition Waste Processing and Disposal site shall be identified and required dust mitigation measure be notified at the site.

### **III. Water quality monitoring and preservation**

- i) The natural drain system should be maintained for ensuring unrestricted flow of water.
- ii) No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape, and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rain water.
- iii) Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.
- iv) The total water requirement for the project including the demand for swimming pool and landscaping in the summer season will be 3420 KLD, out of which 2551 KLD shall be met through groundwater and remaining through recycling of treated wastewater. Total freshwater use shall not exceed the proposed requirement as provided in the project details.
- v) a)The total wastewater generation from the project will be 2170 KLD, which will be treated in WWTP of capacity 750, 150, 32 (existing) & 500 KLD (additional proposed) and STP of capacity 800, 100, 150 & 48 KLD (Existing), within the project premises. However, 2127 KLD treated wastewater will be available at the outlet of STPs after considering evaporation losses. As proposed, reuse of treated wastewater and discharge of surplus treated wastewater shall be as under: -

Sr. No.	Season	Flushing (KLD)	Green Area (KLD)	Make up water for cooling Tower (KLD)	Sewer (KLD)	Total (KLD)
1.	Summer	766	249	620	492	2127
2.	Winter	766	81	0	1280	2127

3.	Rainy	766	23	620	718	2127
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- b) Storage tank of adequate capacity shall be provided for the storage of treated wastewater and all efforts shall be made to supply the same for construction purposes.
- c) During construction phase, the project proponent shall ensure that the waste water being generated from the labour quarters/toilets shall be treated and disposed in environment friendly manner. The project proponent shall also exercise the option of modular bio-toilets or will provide proper and adequately design septic tanks for the treatment of such waste water and treated effluents shall be utilized for green area/plantation
- vi) The project proponent shall ensure safe drinking water supply to the habitants. Adequate treatment facility for drinking water shall be provided, if required.
- vii) The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with six monthly Monitoring reports.
- viii) A certificate shall be obtained from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed, the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for ground water and surface water sources, ensuring that there is no impact on other users.
- ix) At least 20% of the open spaces as required by the local building bye-Laws shall be pervious. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as pervious surface.
- x) Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc and other for supply of recycled water for flushing, landscape irrigation, car washing, thermal cooling, conditioning etc. shall be done.
- xi) The respective project proponent shall discourage the installation of R.O. plants in their projects in order to save the wastage in form of RO reject. However, in case the requirement of installing RO plant is utmost necessary then the rejected stream from the RO shall be separated and shall be utilized by storing the same within the particular component i.e. (Tower/Mall) or in a common place in the project premises.
- xii) The project proponent shall also adopt the new/innovating technologies like less water discharging taps (faucet with aerators)/urinals with electronic sensor system /water less urinals / twin flush cisterns/ sensor based alarming system for overhead water storage tanks and make it a part of the environmental management plans / building plans so as to reduce the water consumption/ground water abstraction in their Building Construction & Industrial projects.

- xiii) The project proponent will provide plumbing system for reuse of treated wastewater for flushing/ HVAC/ other purposes etc. and colour coding of different pipe lines carrying water/wastewater from different sources / treated wastewater as follows:

Sr.	Nature of the Stream	Color code
a)	Fresh water	Blue
b)	Untreated wastewater from Toilets/ urinal & from Kitchen	Black
c)	Untreated wastewater from Bathing/shower area, hand washing (Washbasin / sinks) and from Cloth Washing	Grey
d)	Reject water streams from RO plants & AC condensate (this is to be implemented wherever centralized AC system and common RO has been proposed in the Project). Further, in case of individual houses/establishment this proposal may also be implemented wherever possible.	White
e)	Treated wastewater (for reuse only for plantation purposes) from the STP treating black water	Green
f)	Treated wastewater (for reuse for flushing purposes or any other activity except plantation) from the STP treating grey water	Green with strips
g)	Storm water	Orange

- xiv) Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
- xv) A rainwater harvesting plan needs to be designed where the recharge bores of minimum one recharge bore per 5,000 square meters of built-up area and storage capacity of minimum one day of total freshwater requirement shall be provided. Thus, 13 nos of rainwater harvesting recharge pits (with dual-bore) shall be provided for groundwater recharging as per CGWA norms. In areas where groundwater recharge is not feasible, the rainwater should be harvested and stored for reuse. The groundwater shall not be withdrawn without approval from the Competent Authority.
- xvi) All recharge should be limited to shallow aquifer.
- xvii) No ground water shall be used during construction phase of the project. Only treated sewage/wastewater shall be used. A proper record in this regard should be maintained and available at site.
- xviii) Any ground water dewatering should be properly managed and shall conform to the approvals and the guidelines of the CGWA in the matter. Formal approval shall be taken from the CGWA for any ground water abstraction or dewatering.

- xix) The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with six monthly Monitoring reports.
- xx) Sewage shall be treated in the STP with tertiary treatment. STP shall be installed in a phased manner viz a viz in the module system designed in such a way so as to efficiently treat the wastewater with an increase in its quantity due to rise in occupancy. The treated effluent from STP shall be recycled/reused for flushing, AC make up water and gardening. No treated water shall be disposed of into the municipal storm water drain.
- xxi) No sewage or untreated effluent water would be discharged through storm water drains. Onsite sewage treatment of capacity of treating 100% waste water to be installed. The installation of the Sewage Treatment Plant (STP) shall be certified by an independent expert and a report in this regard shall be submitted to the Ministry before the project is commissioned for operation. Treated waste water shall be reused on-site for landscape, flushing, cooling tower, and other end-uses. Excess treated water shall be discharged as per statutory norms notified by the Ministry of Environment, Forest and Climate Change. Natural treatment systems shall be promoted.
- xxii) Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odour problem from STP.
- xxiii) Sludge from the onsite sewage treatment, including septic tanks, shall be collected, conveyed and disposed as per the Ministry of Urban Development, Central Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.
- xxiv) Softener shall be installed for treated wastewater to make it fit (TDS  $\leq$  10 mg/l ) for HVAC cooling and the cost of the same will be included in the Environment Management Plan.
- xxv) The wastewater generated from swimming pool(s) shall not be discharged and the same shall be reused within the premises for purposes such as horticulture, HVAC, etc

#### **IV. Noise monitoring and prevention**

- i) Ambient noise levels shall conform to residential area/commercial area/industrial area/silence zone both during day and night as per Noise Pollution (Control and Regulation) Rules, 2000. Incremental pollution loads on the ambient air and noise quality shall be closely monitored during construction phase. Adequate measures shall be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/SPCB.

- ii) Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
- iii) Acoustic enclosures for DG sets, noise barriers for ground-run bays, ear plugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.

**V. Energy Conservation measures**

- i) Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured. Buildings in the States which have notified their own ECBC, shall comply with the State ECBC.
- ii) Outdoor and common area lighting shall be LED.
- iii) Concept of passive solar design that minimize energy consumption in buildings by using design elements, such as building orientation, landscaping, efficient building envelope, appropriate fenestration, increased day lighting design and thermal mass etc. shall be incorporated in the building design. Wall, window, and roof u-values shall be as per ECBC specifications.
- iv) Energy conservation measures like installation of LEDs for the lighting the area outside the building should be integral part of the project design and should be in place before project commissioning.
- v) Solar, wind or other Renewable Energy shall be installed to meet electricity generation equivalent to 1 % of the demand load or as per the state level/ local building bye-laws requirement, whichever is higher.
- vi) Solar power by utilizing at least 30% of the roof top area shall be used for lighting in the apartment to reduce the power load on grid. Separate electric meter shall be installed for solar power. Solar water heating shall be provided to meet 20% of the hot water demand of the commercial and institutional building or as per the requirement of the local building bye-laws, whichever is higher. Residential buildings are also recommended to meet its hot water demand from solar water heaters, as far as possible.
- vii) As proposed, a solar plant of capacity 200 KW, shall be installed on the rooftop of the building, within 12 months. Also, solar lights in the common area will be installed for external lightening within a month time.

**VI. Waste Management**

- i) A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from project shall be obtained.
- ii) Disposal of muck during construction phase shall not create any adverse effect on the neighboring communities and be disposed taking the necessary

precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.

- iii) Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste shall be segregated into wet garbage and inert materials.
- iv) Bio methanation Plant of minimum capacity of 4,000 kg/day to treat biodegradable waste must be installed. As proposed, an amount of Rs 1.4 Crores shall be kept in the Environment Management Plan for the same.
- v) All non-biodegradable waste shall be handed over to authorized recyclers for which a written tie up must be done with the authorized recyclers.
- vi) Any hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.
- vii) Use of environment friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction material quantity. These include Fly Ash bricks, hollow bricks, AACs, Fly Ash Lime Gypsum blocks, Compressed earth blocks, and other environment friendly materials.
- viii) Fly ash should be used as building material in the construction as per the provision of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003 and 25th January, 2016. Ready mixed concrete must be used in building construction.
- ix) Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Rules, 2016.
- x) Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/ rules of the regulatory authority to avoid mercury contamination.

## **VII. Green Cover**

- i) No tree can be felled/transplant unless exigencies demand. Where absolutely necessary, tree felling shall be with prior permission from the concerned regulatory authority. Old trees should be retained based on girth and age regulations as may be prescribed by the Forest Department. Plantations to be ensured species (cut) to species (planted).
- ii) Minimum 5000 trees will be planted and maintained in the project site. Also, the Green area of 45,200 sqm. (i.e. more than the permissible green area requirement) shall be maintained on the designated sites and along the roadsides. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping.

- iii) Where the trees need to be cut with prior permission from the concerned local Authority, compensatory plantation in the ratio of 1: 10 (i.e. planting of 10 trees for every 1 tree that is cut) shall be done and maintained. Plantations to be ensured species (cut) to species (planted). Area for green belt development shall be provided as per the details provided in the project document.
- iv) Topsoil should be stripped to a depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stockpiled appropriately in designated areas and reapplied during plantation of the proposed vegetation on site.
- v) The project proponent shall not use any chemical fertilizer /pesticides /insecticides and shall use only Herbal pesticides/insecticides and organic manure in the green area.
- vi) The green belt along the periphery of the plot shall achieve attenuation factor conforming to the day and night noise standards prescribed for residential land use.

#### **VIII. Transport**

- i) A comprehensive mobility plan, as per MoUD best practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public, and private networks. Road should be designed with due consideration for environment, and safety of users. The road system can be designed with these basic criteria.
  - a) Hierarchy of roads with proper segregation of vehicular and pedestrian traffic.
  - b) Traffic calming measures.
  - c) Proper design of entry and exit points.
  - d) Parking norms as per local regulation.
- ii) Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards be operated only during non-peak hours.
- iii) A detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 05 kms radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D./ competent authority for road



augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.

- iv) Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Parking should be fully internalized and no public space should be utilized.

**IX. Human health issues**

- i) All workers working at the construction site and involved in loading, unloading, carriage of construction material and construction debris or working in any area with dust pollution shall be provided with dust mask.
- ii) For indoor air quality the ventilation provisions as per National Building Code of India.
- iii) Emergency preparedness plan based on the Hazard identification and Risk Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
- iv) Occupational health surveillance of the workers shall be done on a regular basis.
- v) A First Aid Room shall be provided in the project both during construction and operations of the project.

**X. Corporate Environment Responsibility**

- i) The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1<sup>st</sup> May 2018, as applicable, regarding Corporate Environment Responsibility. The project proponent shall adhere to the commitments made in the proposal for spending Rs. 375 Lakhs on CER activities mentioned as per details given below:

S. No.	Activities	Time plan							Total expenditure (in 7 years)
		1	2	3	4	5	6	7	
1.	Adoption of Village Badi Naggal								
	• Setting up of sewerage system.	35	30	20	-	-	-	-	85
	• Construction & maintenance of Village road	-	-	-	-	35	-	-	35
	• Maintenance of school building.	-	-	-	-	-	-	25	25

	• Digging of borewell and providing drinking water supply to the villagers.	-	-	-	-	-	-	10	10
	• Installation of solar panel on the govt. buildings in the village	-	-	-	-	-	25	-	25
	• Wastewater treatment of village pond (to be provided by the Department of Rural Developments and Panchayats, Govt. of Punjab), as per the design evolved by Punjab Pollution Control Board.	-	-	-	35	-	-	-	35
2.	Adoption of Village Choti Naggal								
	• Setting up of sewerage system.	-	35	10	-	-	-	-	45
	• Providing drinking water supply to the villagers.	-	-	-	-	-	-	10	10
	• Wastewater treatment of village pond as per the design evolved by Punjab Pollution Control Board.	-	-	35	-	-	-	-	35
3.	Wastewater treatment of village pond as per the design evolved by Punjab Pollution Control Board in Village Padol	-	-	-	-	35	-	-	35
4.	Wastewater treatment of village pond as per the design evolved by Punjab Pollution Control Board in Village Mullanpur	-	-	-	-	-	35	-	35
	Total amount to be spent on CER	35	65	65	35	70	60	45	375

\*Note: - The amount to be spent on CER activities shall be proportionate to the amount spent on project & such activities shall run parallel to the project execution. All the activities must be completed with the completion of the project

- ii) The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or

shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.

- iii) A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
- iv) Action plan for implementing EMP and environmental conditions along with the responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The Year-wise funds earmarked for environmental protection measures shall be kept in separate accounts and not to be diverted for any other purpose. The project proponent shall spend a minimum amount of Rs 3385 Lacs towards the capital cost in the construction phase of the project including the environmental monitoring cost and shall spend a minimum amount of Rs 41 Lacs/annum towards recurring cost in operation phase of the project including the environmental monitoring cost. The entire cost of the environmental management plan will continue to be borne by the project proponent until the responsibility of the environmental management plan is transferred to the occupier/resident's society under proper MOU under intimation to SEIAA, Punjab. Year-wise progress of implementation of the action plan shall be reported to the Ministry/Regional Office along with the Six-Monthly Compliance Report.

#### **XI. Validity**

- i) This environmental clearance will be valid for a period of seven years from the date of its issue or till the completion of the project, whichever is earlier.

#### **XII. Miscellaneous**

- i) The project proponent before allowing any occupancy shall obtain completion and occupancy certificate from the Competent Authority and submit a copy of the same to the SEIAA, Punjab.
- ii) The project proponent shall comply with the conditions of CLU.
- iii) The project proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days indicating that the project has been accorded environment clearance and the details of MoEFCC/SEIAA website where it is displayed.
- iv) The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.

- v) The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
- vi) The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at Environment Clearance portal.
- vii) The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
- viii) The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
- ix) The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
- x) The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
- xi) No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
- xii) Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
- xiii) The SEIAA/Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
- xiv) The SEIAA/ Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
- xv) The Regional Office of this Ministry and Punjab Pollution Control Board shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data/ information/monitoring reports.
- xvi) The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along

with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.

- xvii) Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

### **Special conditions**

- i) No industry covered under Category "A" and "B" falling in the Schedule appended to the EIA notification, 2006 (as amended from time to time) shall be allowed to established except category under 8 (a) and 8(b) in Integrated Township namely "Quark City" located at Plot Nos. A-40A & A-45, Focal Point Industrial Area, Phase VIIIIB, Mohali. However, other industries (not covered in the EIA notification, 2006), although categorized as Orange, Green and White as per the PPCB classification are allowed to be established.
- ii) Orange, Green and White category of industries such as Information Technology, Business processes outsourcing, Computer software development; Knowledge Park; Assembly and repair of computer hardware and electronic equipment; Printing, publishing and allied industries; Packing of dried foodstuff; Warehouse except for storage of chemicals and hazardous storage, etc., are allowed to be set up as per the layout plan approved by the GMADA. Further, no red category of industry shall be allowed to be established.
- iii) Each individual industry or project will obtain mandatory permissions like Consent to Establish, Consent to Operate and Hazardous Waste authorization under the pollution control laws from the Punjab Pollution Control Board.
- iv) No water-intensive industries shall be allowed to establish and plots will be allotted to those Industries which will achieve Zero Liquid Discharge.
- v) High Air Polluting industry like cement grinding units, Induction (more than 500 kgs/ heat)/ Cupola furnaces/ Reheating Rolling Mills, Brick Kilns, Salla Plants, etc. shall not be allowed to established.
- vi) All DG sets shall be equipped with canopies.
- vii) The project proponent shall provide Piezometers at the project site as per the CGWA guidelines.
- viii) The individual industry/plot holder shall not install any groundwater abstraction structure without permission from the CGWA or competent authority.
- ix) In case of future requirements, no groundwater will be abstracted by "Quark City" without obtaining NOC from competent authority.

**Item No 174.08: Application for obtaining environmental clearance under EIA notification dated 14.09.2006 for mining of minor minerals of ADB Rail Part– I on river bed in the Village Arzi Derya Bramd Rail, District-S.B.S Nagar, Punjab submitted by M/s Mahadev Enclave Private Limited.(Proposal No. SIA/PB/MIN/ 174029/2020)**

**M/s Mahadev Enclave Private Limited** has applied for obtaining environmental clearance under EIA notification dated 14.09.2006 for mining of minor minerals (Sand) of ADB Rail Part – I from river bed in the revenue estate of **Arzi Derya Bramd Rail, District-S.B.S Nagar, Punjab** on 14.10.2020. The project is covered under S.No. 1(a) of the Schedule appended to the said notification.

Further, on the basis of scrutiny of application, EDS were raised on 17.10.2020 by SEIAA to which project proponent replied on 21.10.2020. The project proponent submitted all the requisite documents as per the check list of mining case along with application form. The project proponent submitted a hard copy of the same, which was taken on record.

**(A) General**

i)	Name of Applicant & Correspondence address: Mobile No: Email ID:	M/s MAHADEV ENCLAVE PRIVATE LIMITED B-37 Ayodhaya Marg, Hanuman Nagar, Jaipur, Rajasthan +91 9780625432 <a href="mailto:avnit.kaushal@gmail.com">avnit.kaushal@gmail.com</a>
ii)	Name of Environmental Consultant Mobile No. Email ID	Eco Laboratories & Consultants Pvt. Ltd. 9814003103, 0172461622 <a href="mailto:consulteco@yahoo.com">consulteco@yahoo.com</a>

**1.0 Deliberations during the 195<sup>th</sup> meeting of SEAC held on 24.10.2020.**

The project proponent submitted all the requisite documents as per the check list of mining case along with Form-02. The project proponent submitted a hard copy of the same, which was taken on record.

The case was considered by SEAC in its 195<sup>th</sup> meeting held on 24.10.2020. The meeting was attended by the following through Video Conference on behalf of the project proponent:

- (i) Sh. Deepak Kumar, Authorised signatory, on behalf of the project proponent.
- (ii) Ms. Simranjit Kaur, M/s Eco Laboratories & Consultant Pvt. Ltd., Mohali.

SEAC allowed the project proponent to present the salient features of the project and the Environment Consultant of the promoter company presented the same as under:

<b>S.No.</b>	<b>Item</b>	<b>Details</b>
1.	Online Proposal No.	SIA/PB/MIN/174029/2020
2.	Project Name & Location	ADB Rail Part – I Sand Mining Project Village: ADB Rail District: SBS Nagar, Punjab by M/s Mahadev Enclave Private Limited
3.	Project/activity covered under item of scheduled to the EIA Notification,14.09.2006	1(a) Mining of Minor Minerals
4.	Details of Mining Lease	
i)	Mineral (s) to be mined	Sand
ii)	Capacity of Mine	3,82,266 Tons of sand in three years (1,27,422 TPA)
iii)	Mining Lease Area	4.90 Ha
iv)	Details Letter of Intent (LOI)/E-Auction issued by the State Govt.	Reference No: Memo No. 780/M/G Date of Issue: 09/07/2019 LOI : For a period of Three year
5.	Hadbast No.	420
6.	Land Khasra No. & their consent details	
	Sr No	Type
	1	Govt. Land
	2	Private Land
		46//10/2, 11/1, 12, 47//14, 15, 16, 17, 18/1, 18/2, 19/1, 19/2, 20/1, 20/2, 21/1, 21/2, 22, 23
7.	Latitude & Longitude	
	<b>PIT 1</b>	
	<b>Pillar No.</b>	<b>Latitude</b>
	<b>Longitude</b>	
	1	30°58'52.40"N
	2	30°58'52.34"N
	3	30°58'54.22"N
	4	30°58'54.32"N
	5	30°58'56.17"N
	6	30°58'56.16"N
	7	30°58'54.15"N
	8	30°58'54.17"N
	9	30°58'52.21"N
		76°26'4.47"E
		76°26'12.03"E
		76°26'12.13"E
		76°26'17.18"E
		76°26'17.24"E
		76°26'18.55"E
		76°26'18.46"E
		76°26'22.24"E
		76°26'22.12"E

	10	30°58'52.18"N	76°26'17.17"E																																							
	11	30°58'50.30"N	76°26'16.99"E																																							
	12	30°58'50.33"N	76°26'12.01"E																																							
	13	30°58'48.47"N	76°26'11.95"E																																							
	14	30°58'48.63"N	76°26'4.46"E																																							
8.	Whether the project attracts the General Condition.		No																																							
9.	Does the project involve diversion of forest land? If yes, a. Extent of the forest land. b. Status of the forest clearance. If No, submit documentary proof		No																																							
10.	Does the project fall within 10 km of eco-sensitive area/ National park/Wild Life Sanctuary? If yes, Status of NOC. If No, If No, submit documentary proof		Ropar Wetland- 7.02 km towards ESE																																							
11.	Land requirement for the project		<p>Prior to the project proposal</p> <table border="1"> <thead> <tr> <th>Sr No.</th> <th>Ownership pattern</th> <th>Area in Ha.</th> </tr> </thead> <tbody> <tr> <td>i)</td> <td>Forest Land</td> <td>-</td> </tr> <tr> <td>ii)</td> <td>Private land</td> <td>4.90</td> </tr> <tr> <td>iii)</td> <td>Government land</td> <td>-</td> </tr> <tr> <td>iv)</td> <td>Revenue land</td> <td>-</td> </tr> <tr> <td>v)</td> <td>Other land</td> <td>-</td> </tr> <tr> <td>vi)</td> <td>Total land</td> <td>4.90</td> </tr> </tbody> </table> <p>Present Land use Break Up</p> <table border="1"> <thead> <tr> <th>Sr No.</th> <th>Land use</th> <th>Area in Ha.</th> </tr> </thead> <tbody> <tr> <td>i)</td> <td>Agriculture Area</td> <td>-</td> </tr> <tr> <td>ii)</td> <td>Waste/Barren Area</td> <td>-</td> </tr> <tr> <td>iii)</td> <td>Grazing/community Area</td> <td>-</td> </tr> <tr> <td>iv)</td> <td>Surface water Bodies</td> <td>-</td> </tr> <tr> <td>v)</td> <td>Other (Specify)</td> <td>4.90</td> </tr> </tbody> </table>	Sr No.	Ownership pattern	Area in Ha.	i)	Forest Land	-	ii)	Private land	4.90	iii)	Government land	-	iv)	Revenue land	-	v)	Other land	-	vi)	Total land	4.90	Sr No.	Land use	Area in Ha.	i)	Agriculture Area	-	ii)	Waste/Barren Area	-	iii)	Grazing/community Area	-	iv)	Surface water Bodies	-	v)	Other (Specify)	4.90
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v)	Other (Specify)	4.90																																								
12.	Cost of the project		Rs. 1.1 Crores																																							
13.	Environmental Clearance. Fee details		Rs. 9800/- Vide NEFT, UTR No. AXSK202620016513 dated 18.09.2020																																							



"Proceedings of 174<sup>th</sup> meeting of SEIAA  
held on 31.10.2020"

14.	Details of Final District Survey Report	Approved by: - Deputy Commissioner, SBS Nagar Reference No.: -2296/ S.K. Date of Issue: - 09.10.2020
15.	Details of visit report of Sub Divisional Level Committee	Date of visit: - 18.09.2020 Recommendation: Mining can be conducted upto depth of 2m.
16.	Details of Mining Plan	Approved by: - State Geologist (Department of Mines and Geology, Punjab) Approval Letter No.: Glg/Pb/M.P./2020/Arzi Derya Bramd Rail Pat-I/632 Date of Approval: 24.09.2020 Approved Mining Lease Area: 4.90 Ha. Approved Mining Quantity: 1,27,422 TPA Depth of Mining (m): 2 m
17.	Demarcation report of mining site	Date of demarcation: 20.12.2019 No's of Burjis made: - 14 Photographs submitted: Yes Signed by: 1) Mr. Jaswinder Singh (S.D.O-Mining) 2) Mr. Ravinder (J.E. -Mining)
18.	Workers(when fully operational)	24 Persons.
19.	Water Requirements & source	Domestic: 1.6 KLD Dust Suppression: 1.8 KLD Total: 3.40 KLD Ground water/Others: A water storage tank of capacity 2 KLD shall be provided.
20.	Waste water generation, Treatment & its Disposal	i) Quantity of Waste water: 1.28 KLD (80% of water requirement) ii) Treatment Method: Septic Tank iii) Mode of Disposal : a) Plantation purpose.:1.28KLD b) Any other purpose: Nil
21.	Solid waste generation and its disposal	Solid waste @ 4.8 kg/day will be generated which will be disposed as per Solid Waste Management Rules, 2016.
22.	Green Belt Development Plan including no. of trees to be planted & its species.	Tree cutting (if any): Nil No. of plant to be planted: 240 No's Funds Allocated: Rs. 65,000/-
23.	Environment Management Plan along with Budgetary breakup and responsibility to implement	Mr. Avnit Kaushal will be responsible for the implementation of EMP till the mining activities closed as per the mining plan.

	<b>Description</b>	<b>Capital Cost (in Rs. Lakhs)</b>	<b>Recurring Cost (in Rs. Lakhs)</b>
	Monitoring of Air, Water, Soil, etc. twice a year.	-	1.0
	Air Pollution Control Management of Haulage Roads & mine road including Sprinkling. Tractor trolley with sprinkler	-	1.45
	Green Belt Development	2.46	0.82
	Provision of Septic Tank	1.10	0.45
	Occupational Health Measures Provision of PPE, First Aid and other miscellaneous expenditure.	0.55	0.25
	<b>TOTAL</b>	<b>4.11 Lakhs</b>	<b>3.97 Lakhs</b>
24.	<p>CER activities along with budgetary break up and responsibility to implement Mr. Kartik Rathi (Director) of M/s. Mahadev Enclave Private Limited will be responsible for implementation of Corporate Environmental Responsibility (CER). As the project cost is Rs. 1.1 Crores; thus, Rs. 2.2 Lacs have been reserved for CER activities as per Office Memorandum of CER dated 01.05.2018. It was proposed to spent on the following: -</p> <p>i) Rs. 2.20 lac for providing drinking water facility, Toilets, Furniture and maintenance of school building in Government Primary School, Fatehpur.</p>		

SEAC asked the project proponent and his Environmental Consultant to clarify the following observations to which he replied as under: -

<b>Sr. No.</b>	<b>Observations</b>	<b>Reply submitted by the project proponent and his Environmental Consultant</b>
1.	The project proponent is required to earmark two tubewells/ borewells/ wells as observation wells in the adjoining area within a radius of 500m of the project site. Also, monthly monitoring of the water level in the wells is required to be carried out and reported to District Mining Officer on monthly basis.	The project proponent agreed to the same.
2.	The project proponent is required to plant trees of natives species having	The project proponent agreed to the same.

	plant height more than 3 ft along with tree guard.	
3.	The project proponent is required to submit an undertaking to the effect that the mining shall be carried out as per the approved Mining Plan and comply with the terms and conditions of Department of Mines & Geology, Govt. of Punjab as issued from time to time.	The project proponent agreed to the same.
4.	As per the condition no. 21 mentioned in the standard Environmental Conditions for sand mining as given in the Sustainable Sand Mining Management Guidelines, 2016, mining should begin only after pucca pillar, marking the boundary of lease area, is erected at the cost of the lease holder after certification by the mining official and its geo coordinates are made available to the District Level Committee and a condition to the same shall be imposed in the Environmental Clearance issued to the project proponent.	The project proponent agreed to the same.
5.	The project proponent could not justify as to why the semi-mechanized mining is better for environment as compared to manual mining. The Committee decided that the project proponent shall carryout mining only by manual method.	The project proponent agreed to the same.

SEAC was satisfied from the presentation and reply given to the observation. SEAC took a copy of presentation along with reply on record.

## **2.0 Recommendations of SEAC**

After deliberations, SEAC decided to award silver grading to the project and forward the application of the project proponent to SEIAA with the recommendations to grant Environmental Clearance for mining of minor minerals (Sand) on on river bed of river Sutlej, located in the revenue estate of village Arzi Derya Bramd Rail, Tehsil Balachaur & District S.B.S Nagar, Punjab submitted by M/s Prime Vision Industries Pvt. Ltd. as per Annexure-II along with the following additional conditions:

1. The project proponent shall carry out mining only by the manual method.
2. The project proponent is required to earmark two tubewells/ borewells/ wells as observation wells in the adjoining area within a radius of 500m of the project site. Also, monthly monitoring of the water level in the wells is required to be carried out and reported to District Mining Officer on monthly basis.
3. The project proponent shall begin mining only after pucca pillar marking, the boundary of lease area is erected at the cost of the lease holder after certification by the mining official and its geo coordinates are made available to the District Level Committee.
4. The proponent shall plant 492 number of plants of native species of not less than 3 ft in size at the identified location and protect the same with tree guards. The proponent shall make adequate provision of funds and ensure maintenance of the plants for a further period of three years.
5. The project proponent shall construct rain water harvesting pits along with desilting chambers at identified location of the village Arzi Derya Bramd Rail, Tehsil Balachaur & District S.B.S Nagar, Punjab. The project proponent shall follow the CGWA guidelines for constructing the rainwater recharging pits.
6. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility. The project proponent shall adhere to the commitments made in the proposal for CER activities for spending at least minimum amount of Rs. 25,000/- towards following activities:

<b>Sr. No.</b>	<b>Particulars</b>	<b>Amount (in Rs)</b>
1	Providing drinking water facility, Toilets, Furniture and maintenance of school building in Government primary school, Fatehpur.	2,20,000/-
<b>Total</b>		2,20,000/-

### **3.0 Deliberations during the 174<sup>th</sup> meeting of SEIAA held on 31.10.2020**

The case was considered by SEIAA in its 174<sup>th</sup> meeting held on 31.10.2020 and was attended by the following on behalf of the project proponent:

- i) Sh. Manoj Kumar, authorized signatory of the promoter company.
- ii) Dr. Sandeep Garg, EIA Coordinator & Smt. Simranjit Kaur of M/s Eco Lab, Mohali, Environmental Consultant of the project proponent.

Environmental consultant of the promoter company presented the salient features of the project before SEIAA. A copy of the presentation was also submitted which was taken on record.

To a query SEIAA regarding the NOC from the Forest Department, Environmental Consultant informed that Forest Department has issued NOC to the project vide letter No. 2714 dated 16.09.2020.

To another query of SEIAA regarding cluster formation, Environmental Consultant informed that the Mining Department has issued Certificate vide No. 383 dated 22.10.2020 to the effect that no other mine lease is existing within 500 m periphery from the area of present mining site.

During discussions, the representative of the promoter company agreed to comply with fully all the conditions as mentioned by SEAC and amended by the SEIAA

The SEIAA observed that the case stands recommended by SEAC and the Committee has awarded 'Silver Grading' to the project proposal. The SEIAA looked into the details of the case and was satisfied with the same.

Therefore, the Authority decided to accept the recommendations of SEAC and grant Environmental Clearance for mining of minor minerals (Sand) @ 1,27,422 TPA upto a depth of 2m in an area of 4.90 ha from the river bed of river Sutlej, located in the revenue estate of village Arzi Derya Bramd Rail Part-I, Tehsil Balachaur & District S.B.S Nagar, Punjab, as per approved mining Plan with the manual method of mining only & subsequent presentation /clarifications made by the project proponent and his consultant, with proposed measures and conditions as recommended by SEAC.

**Item No.174.09: Application for obtaining TOR under EIA notification dated 14.09.2006 for mining of minor minerals of ADB Rail Part-II on river bed of river Sutlej in the Village Arzi Derya Bramd Rail, District-S.B.S Nagar, Punjab submitted by M/s Mahadev Enclave Private Limited. (Proposal No. SIA/PB/MIN/56768/2020)**

**M/s Mahadev Enclave Private Limited** has applied for obtaining TOR under EIA notification dated 14.09.2006 for mining of minor minerals (Sand) of ADB Rail Part – II from river bed in the revenue estate of **Arzi Derya Bramd Rail, District-S.B.S Nagar, Punjab** on 14.10.2020. The project is covered under S.No. 1(a) of the Schedule appended to the said notification.

The project proponent submitted all the requisite documents as per the check list of mining case along with Form-02. The project proponent submitted a hard copy of the same, which was taken on record.

#### **(A) General**

i)	Name of Applicant & Correspondence address:	M/s MAHADEV ENCLAVE PRIVATE LIMITED
----	---	-------------------------------------

	Mobile No: Email ID:	B-37 Ayodhya Marg, Hanuman Nagar, Jaipur, Rajasthan +91 9780625432 <a href="mailto:avnit.kaushal@gmail.com">avnit.kaushal@gmail.com</a>
ii)	Name of Environmental Consultant Mobile No. Email ID	Eco Laboratories & Consultants Pvt. Ltd. 9814003103, 0172461622 <a href="mailto:consulteco@yahoo.com">consulteco@yahoo.com</a>

### 1.0 Deliberations during the 195<sup>th</sup> meeting of SEAC held on 24.10.2020.

The project proponent submitted all the requisite documents as per the checklist of the mining case along with Form-02. The hard copy submitted by the project proponent was taken on record.

The case was considered by SEAC in its 195<sup>th</sup> meeting held on 24.10.2020. The meeting was attended by the following through Video Conference on behalf of the project proponent:

- (i) Sh. Deepak Kumar, Authorised signatory, on behalf of the project proponent.
- (ii) Sh. Arun Kumar Yadav, M/s Overseas Min Tech Consultants, Environmental consultant of the Project Proponent.

SEAC allowed the project proponent to present the salient features of the project and the Environment consultant of the promoter company presented the same as under:

S.No.	Item	Details
1.	Online Proposal No.	SIA/PB/MIN/56768/2020
2.	Project Name & Location	ADB Rail Part – II Sand Mining Project Village: ADB Rail District: SBS Nagar, Punjab by M/s Mahadev Enclave Private Limited
3.	Project/activity covered under item of scheduled to the EIA Notification, 14.09.2006	1(a) Mining of Minor Minerals
4.	Details of Mining Lease	
	i) Mineral (s) to be mined	Sand
	ii) Capacity of Mine	12,04,980 TPA
	iii) Mining Lease Area	30.02 Ha
	iv) Details Letter of Intent (LOI)/E-Auction issued by the State Govt.	Reference No: Memo No. 780/MG/ Date of Issue: 07.09.2019 Validity of LOI: 3 years
5.	Hadbast No.	420
6.	Land Khasra No. & their consent details	
	Sr No	Type
	1	Govt. Land
		Khasra No.

2	Private Land	37//21, 22, 23/1, 23/2, 24, 25,38//20, 21/1, 21/ 2, 22, 23, 24, 25,39//11, 12/1, 12/2, 13, 14/1, 14/2, 16, 17, 18, 19/1, 19/2,20, 21, 22/1, 22/2, 23, 24/1, 24/2, 25, 40//11, 12, 13/1, 13/2, 13/3, 15/2, 16/2 18/1, 18/2, 19, 20, 21, 22, 23, 24/1, 25/2, 41//1, 9/1, 9/2, 9/3, 10/1, 10/2, 11, 12/1, 12/2, 13/1, 13/2, 14/1, 14/2, 15/1, 15/2, 16/1, 16/2, 17/1, 17/2, 18/1, 18/2, 19/1, 19/2, 20, 21, 22/1, 22/2, 23/1, 23/2, 24/2, 25/1, 25/2, 42//2,3, 4, 5, 6, 7, 8/1, 8/2, 9, 10, 11, 12, 13, 14, 15/1, 16, 17, 18/1, 18/2,43//1, 2, 3, 4, 5, 6, 7, 8/1, 8/2, 9, 10, 11, 12, 13, 14/1, 14/2, 15, 44//6, 15, 58//1, 2/1, 2/2, 3, 4, 5
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7. Latitude & Longitude

Corner	Latitude	Longitude
<b>PIT-I</b>		
Corner 1	30°58'54.91"N	76°27'22.92"E
Corner 2	30°58'54.80"N	76°27'25.49"E
Corner 3	30°58'52.90"N	76°27'25.43"E
Corner 4	30°58'52.52"N	76°27'40.55"E
Corner 5	30°58'48.64"N	76°27'40.56"E
Corner 6	30°58'48.59"N	76°27'41.72"E
Corner 7	30°58'46.74"N	76°27'41.76"E
Corner 8	30°58'46.73"N	76°27'43.61"E
Corner 9	30°58'52.44"N	76°27'43.71"E
Corner 10	30°58'52.20"N	76°27'55.73"E
Corner 11	30°58'50.23"N	76°27'55.70"E
Corner 12	30°58'50.12"N	76°28'0.74"E
Corner 13	30°58'48.19"N	76°28'0.67"E
Corner 14	30°58'47.72"N	76°28'23.43"E
Corner 15	30°58'45.77"N	76°28'23.35"E
Corner 16	30°58'46.27"N	76°27'58.10"E
Corner 17	30°58'44.47"N	76°27'58.15"E
Corner 18	30°58'44.61"N	76°27'48.08"E
Corner 19	30°58'46.47"N	76°27'47.93"E
Corner 20	30°58'47.12"N	76°27'25.32"E
Corner 21	30°58'48.92"N	76°27'25.30"E
Corner 22	30°58'49.27"N	76°27'15.14"E

	Corner 23	30°58'51.10"N	76°27'15.20"E																																							
	Corner 24	30°58'51.53"N	76°26'52.51"E																																							
	Corner 25	30°58'55.42"N	76°26'52.64"E																																							
	Corner 26	30°58'55.42"N	76°26'55.13"E																																							
	Corner 27	30°58'57.31"N	76°26'55.15"E																																							
	Corner 28	30°58'57.14"N	76°27'7.86"E																																							
	Corner 29	30°58'55.14"N	76°27'7.81"E																																							
	Corner 30	30°58'55.15"N	76°27'10.30"E																																							
	Corner 31	30°58'57.13"N	76°27'10.23"E																																							
	Corner 32	30°58'56.75"N	76°27'23.03"E																																							
8.	Whether the project attracts the General Condition.		No																																							
9.	Does the project involve diversion of forest land? If yes, a. Extent of the forest land. b. Status of the forest clearance. If No, submit documentary proof		No																																							
10.	Does the project fall within 10 km of eco-sensitive area/ National park/Wild Life Sanctuary? If yes, Status of NOC. If No, If No, submit documentary proof		Ropar Wetland- 5.2 km towards NE																																							
11.	Land requirement for the project		<p>Prior to the project proposal</p> <table border="1"> <thead> <tr> <th>Sr No.</th> <th>Ownership pattern</th> <th>Area in Ha.</th> </tr> </thead> <tbody> <tr> <td>i)</td> <td>Forest Land</td> <td>-</td> </tr> <tr> <td>ii)</td> <td>Private land</td> <td>30.02</td> </tr> <tr> <td>iii)</td> <td>Government land</td> <td>-</td> </tr> <tr> <td>iv)</td> <td>Revenue land</td> <td>-</td> </tr> <tr> <td>v)</td> <td>Other land</td> <td>-</td> </tr> <tr> <td>vi)</td> <td>Total land</td> <td>30.02</td> </tr> </tbody> </table> <p>Present Land use Break Up</p> <table border="1"> <thead> <tr> <th>Sr No.</th> <th>Land use</th> <th>Area in Ha.</th> </tr> </thead> <tbody> <tr> <td>i)</td> <td>Agriculture Area</td> <td>-</td> </tr> <tr> <td>ii)</td> <td>Waste/Barren Area</td> <td>-</td> </tr> <tr> <td>iii)</td> <td>Grazing/community Area</td> <td>-</td> </tr> <tr> <td>iv)</td> <td>Surface water Bodies</td> <td>-</td> </tr> <tr> <td>v)</td> <td>Other( Specify)</td> <td>30.02</td> </tr> </tbody> </table>	Sr No.	Ownership pattern	Area in Ha.	i)	Forest Land	-	ii)	Private land	30.02	iii)	Government land	-	iv)	Revenue land	-	v)	Other land	-	vi)	Total land	30.02	Sr No.	Land use	Area in Ha.	i)	Agriculture Area	-	ii)	Waste/Barren Area	-	iii)	Grazing/community Area	-	iv)	Surface water Bodies	-	v)	Other( Specify)	30.02
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v)	Other( Specify)	30.02																																								



12.	Cost of the project	Rs. 10.36 Crores
13.	ToR Fee details	Rs. 15,010/- Vide NEFT, UTR No. AXSK202620016475 dated 18.09.2020
14.	Details of Final District Survey Report	Approved by: - Deputy Commissioner, SBS Nagar Reference No.: -2296/ S.K. Date of Issue: - 09.10.2020
15.	Details of visit report of Sub Divisional Level Committee as per SSMG 2016	Date of visit: - 22.10.2019 Recommendation: Mining can be conducted upto depth of 3 m.
16.	Details of Mining Plan	Approved by: - State Geologist (Department of Mines and Geology, Punjab) Approval Letter No.: - Glg/Pb/M.P./2020/Arzi Derya Bramd Rail Pat-II/635 Date of Approval: - 24.09.2020 Approved Mining Lease Area: 30.02 Ha. Approved Mining Quantity: 12,04,980 TPA Depth of Mining (m): 3.0 m
17.	Demarcation report of mining site	Date of demarcation: 19.12.2019 Signed by: 1. Mr. Jaswinder Singh (S.D.O- Mining) 2. Mr. Ravinder (J.E.- Mining) 3. Mr. Raman Kumar (Patwari) 4. Mr. Pankaj Kumar (In-charge Mahadev Enclave Private Limited) 5. Gurminder Singh (Operator) 6. Daulat Ram (Sarpanch, Gram Panchayat Majra) 7. Mr. Amandeep Singh R/o Village-Lakhnaur, Mohali 8. Mr. Varinder Kaushal R/o Village-Khizrabad, Mohali 9. Mr. Jagjit Singh R/o Village Paraul, Mohali
18.	Workers(when fully operational)	82 Persons
19.	Water Requirements & source	Domestic: 3.7 KLD Dust Suppression: 2.60 KLD Total: 6.30 KLD Ground water/Others: A water storage tank of capacity 5 KLD shall be provided.
20.	Waste water generation, Treatment & its Disposal	i) Quantity of Waste water: 2.9 KLD ii) (80% of water requirement)

		iii) Treatment Method: Septic Tank iv) Mode of Disposal: a) Plantation purpose.: 2.9 KLD b) Any other purpose: Nil
21.	Solid waste generation and its disposal	Solid waste @ 16.4 Kg/day will be generated which will be disposed to the dump site of the nearest village
22.	Green Belt Development Plan including no. of trees to be planted & its species.	Tree cutting (if any): Nil No. of plant to be planted: 360 No's Funds Allocated: Rs. 1,50,000/-
23.	Environment Management Plan along with Budgetary breakup and responsibility to implement	ToR case
24.	CER activities along with budgetary break up and responsibility to implement ToR case	

SEAC asked the project proponent and his Environmental Consultant to clarify the following observations to which he replied as under: -

<b>Sr. No.</b>	<b>Observations</b>	<b>Reply submitted by the project proponent and his Environmental Consultant</b>
1.	Whether Final District Survey Report (DSR) has been approved?	Approved by: - Deputy Commissioner, SBS Nagar Reference No.: -2296/ S.K. Date of Issue: - 09.10.2020
2.	Whether permission from DFO has been obtained?	Obtained vide letter no. 2714 dated 16.09.2020 issued by DFO, Nawanshaheer.
3.	Whether the report from Sub Divisional Committee has been obtained regarding suitability of the site for mining?	The project proponent Submitted a copy of Joint Inspection Report as per the provisions of SSMMG 2016.
4.	The project proponent is required to get the hydrogeological survey of the existing water level done and also required to submit the impact on the water level regime due to the project. This report is required to be submitted at the time of submission of the EIA report.	The project proponent agreed to the same.
5.	The project proponent is required to submit a report regarding the preservation of topsoil excavated during the mining process at the	The project proponent agreed to the same.

	time of submission of the EIA report.	
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SEAC was satisfied with the presentation and reply given to the observation. SEAC took a copy of the presentation along with a reply on record.

## **2.0 Recommendation of SEAC**

After deliberations, SEAC decided to forward the application of the project proponent to SEIAA with the recommendations to issue Terms of Reference for mining of minor minerals (Sand) on river bed located in the revenue estate of village Arzi Derya Bramd Rail, Tehsil Balachour, District SBS Nagar, Punjab submitted by M/s Mahadev Enclave Pvt. Ltd., as per Annexure-III of the proceedings and the following additional ToRs:

1. The project proponent is required to get the hydrogeological survey of the existing water level done and to submit the impact on the water level regime due to the project. This report is required to be submitted at the time of submission of the EIA report.
2. The project proponent is required to submit a report regarding the preservation of topsoil excavated during the mining process at the time of submission of the EIA report.

## **3.0 Deliberations during the 174<sup>th</sup> meeting of SEIAA held on 31.10.2020**

The case was considered by SEIAA in its 174<sup>th</sup> meeting held on 31.10.2020 and was attended by the following on behalf of the project proponent:

- i) Sh. Manoj Kumar authorized signatory of the promoter company.
- ii) Dr. Sandeep Garg, EIA Coordinator & Smt. Simranjit Kaur of M/s Eco Lab, Mohali, Environmental Consultant of the project proponent.

Before allowing the presentation, SEIAA queried to the Environmental Consultant regarding the distance of the mining site from the protected area notified under the Wildlife (Protection) Act, 1972 for determination of the applicability of General conditions in this case, to which they could not give the satisfactory reply. They requested to give some time for arrangements of the requisite document/map from the Forest Department for submitting the proper reply.

SEIAA accepted the request of the Environmental Consultant and decided to defer the case, and to ask the project proponent to submit the reply to the observation. The case will be placed as and when the project proponent submits reply to the observation.

**Item No 174.10: Application for obtaining Environmental Clearance under EIA notification dated 14.09.2006 for mining of minor minerals from an agricultural land in the Village Khasi Kalan, Tehsil Ludhiana East, District Ludhiana, Punjab submitted by M/s Mahadev Enclave Private Limited. (Proposal No. SIA/PB/MIN/154139/2020)**

**M/s Mahadev Enclave Private Limited** has applied for obtaining Environmental Clearance under EIA notification dated 14.09.2006 for mining of minor minerals (Sand) from an agricultural land (off-channel site) in the revenue estate of Village Khasi Kalan, Tehsil Ludhiana East, District Ludhiana, Punjab on 25.05.2020. The project is covered under S.No. 1(a) of the Schedule appended to the said notification.

Further, on the basis of scrutiny of application, EDS were raised on 14.06.2020 and 18.08.2020, by SEIAA to which project proponent replied on 20.06.2020 and 22.10.2020 respectively. The project proponent submitted all the requisite documents as per the check list of mining case along with Form-02. The project proponent submitted a hard copy of the same, which was taken on record.

**(A) General**

i)	Name of Applicant & Correspondence address: Mobile No: Email ID:	M/s MAHADEV ENCLAVE PRIVATE LIMITED B-37 Ayodhaya Marg, Hanuman Nagar, Jaipur, Rajasthan +91 9780625432 <a href="mailto:avnit.kaushal@gmail.com">avnit.kaushal@gmail.com</a>
ii)	Name of Environmental Consultant Mobile No. Email ID	Eco Laboratories & Consultants Pvt. Ltd. 9814003103, 0172461622 <a href="mailto:consulteco@yahoo.com">consulteco@yahoo.com</a>

**1.0 Deliberations during the 195<sup>th</sup> meeting of SEAC held on 24.10.2020.**

The project proponent submitted all the requisite documents as per the check list of mining case along with Form-02. The project proponent submitted a hard copy of the same, which was taken on record.

The case was considered by SEAC in its 195<sup>th</sup> meeting held on 24.10.2020. The meeting was attended by the following through Video Conference on behalf of the project proponent:

- (i) Sh. Deepak Kumar, Authorised signatory, on behalf of the project proponent.
- (ii) Ms. Simranjit Kaur, M/s Eco Laboratories & Consultant Pvt. Ltd., Mohali.

SEAC allowed the project proponent to present the salient features of the project and the Environment Consultant of the promoter company presented the same as under:

S. No.	Item	Details
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1.	Online Proposal No.	SIA/PB/MIN/154139/2020	
2.	Project Name & Location	Sand Mining Project Village: Khasi Kalan, Tehsil: Ludhiana East, District: Ludhiana, Punjab by M/s Mahadev Enclave Private Limited	
3.	Project/activity covered under item of scheduled to the EIA Notification,14.09.2006	1(a) Mining of Minor Minerals	
4.	Details of Mining Lease		
i)	Mineral (s) to be mined	Sand	
ii)	Capacity of Mine	41,406 TPA	
iii)	Mining Lease Area	3.85 Ha	
iv)	Details Letter of Intent (LOI)/E-Auction issued by the State Govt.	Reference No: Memo No. 780/M/G Date of Issue: 09/07/2019 Validity of LOI: 3 years Mining Lease Area: 3.85 Ha.	
5.	Hadbast No.	183	
6.	Land Khasra No. & their consent details		
	<b>Sr. No.</b>	<b>Type</b>	<b>Khasra No.</b>
	1	Govt. Land	18//24/2, 25/2, 19//21/2, 29//1, 10, 11, 12, 19, 20, 30//4, 5, 6, 15, 16
	2	Private Land	
7.	Latitude & Longitude		
	<b>Pillar No.</b>	<b>Latitude</b>	<b>Longitude</b>
	1	30°56'53.62"N	75°57'0.33"E
	2	30°56'53.64"N	75°57'5.39"E
	3	30°56'48.68"N	75°57'5.40"E
	4	30°56'48.63"N	75°57'7.89"E
	5	30°56'45.66"N	75°57'7.88"E
	6	30°56'45.44"N	75°57'2.82"E
	7	30°56'46.78"N	75°57'0.59"E
	8	30°56'48.71"N	75°57'0.34"E
	9	30°56'50.57"N	75°57'0.85"E
	10	30°56'52.51"N	75°56'59.70"E
	11	30°56'53.26"N	75°57'0.33"E

8.	Whether the project attracts the General Condition.	No																																				
9.	Does the project involve diversion of forest land? If yes, a. Extent of the forest land. b. Status of the forest clearance. If No, submit documentary proof	No																																				
10.	Does the project fall within 10 km of eco-sensitive area/ National park/Wild Life Sanctuary? If yes, Status of NOC. If No, If No, submit documentary proof	No.																																				
11.	Land requirement for the project	<p>Prior to the project proposal</p> <table border="1"> <thead> <tr> <th>S.No.</th> <th>Ownership pattern</th> <th>Area in Ha.</th> </tr> </thead> <tbody> <tr> <td>i.</td> <td>Forest Land</td> <td>-</td> </tr> <tr> <td>ii.</td> <td>Private land</td> <td>3.85</td> </tr> <tr> <td>iii.</td> <td>Government land</td> <td>-</td> </tr> <tr> <td>iv.</td> <td>Revenue land</td> <td>-</td> </tr> <tr> <td>v.</td> <td>Other land</td> <td>-</td> </tr> </tbody> </table> <p>Present Land use Break Up</p> <table border="1"> <thead> <tr> <th>S.No.</th> <th>Land use</th> <th>Area in Ha.</th> </tr> </thead> <tbody> <tr> <td>i.</td> <td>Agriculture Area</td> <td>3.85</td> </tr> <tr> <td>ii.</td> <td>Waste/Barren Area</td> <td></td> </tr> <tr> <td>iii.</td> <td>Grazing/community Area</td> <td></td> </tr> <tr> <td>iv.</td> <td>Surface water Bodies</td> <td>-</td> </tr> <tr> <td>v.</td> <td>Other(Specify)</td> <td></td> </tr> </tbody> </table>	S.No.	Ownership pattern	Area in Ha.	i.	Forest Land	-	ii.	Private land	3.85	iii.	Government land	-	iv.	Revenue land	-	v.	Other land	-	S.No.	Land use	Area in Ha.	i.	Agriculture Area	3.85	ii.	Waste/Barren Area		iii.	Grazing/community Area		iv.	Surface water Bodies	-	v.	Other(Specify)	
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v.	Other(Specify)																																					
12.	Cost of the project	Rs. 35.92 Lakhs																																				
13.	Environmental Clearance. Fee details	Rs. 7,700/- through NEFT vide UTR No. 5038780636 dated 12.05.2020																																				
14.	Details of Final District Survey Report	Approved by:- Deputy Commissioner, Ludhiana Mining Reference no. 4949 dated 20.10.2020																																				
15.	Details of visit report of Sub Divisional Level Committee	Submitted																																				
16.	Details of Mining Plan	Approved by:- State Geologist (Department of Mines and Geology, Punjab)																																				

		Approval Letter No.: Glg/Pb/M.P./2020/ Khasi Kalan/157 Date of Approval: 14.02.2020 Approved Mining Lease Area: 3.85 Ha. Approved Mining Quantity: 41,406 TPA Depth of Mining (m): 3 m			
17.	Demarcation report of mining site	Date of demarcation report: 13.11.2019 No.s of Burjis made: 11 Nos. Photographs submitted: Yes Signed by : 1) Mr. Harjit Pal Singh (S.D.O-Mining) 2) Mr. Manish Batra (J.E. -Mining) 3) Mr. Gurvinder Singh (DGPS Operator) 4) Sh. Tushar Sharma (Mahadev Enclave)			
18.	Workers (when fully operational)	30 Persons.			
19.	Water Requirements & source	Domestic: 2.10 KLD Dust Suppression: 1.2 KLD Total: 3.30 KLD Ground water/Others: A water storage tank of capacity 2 KLD shall be provided.			
20.	Waste water generation, Treatment & its Disposal	i) Quantity of Waste water: 1.7 KLD (80% of water requirement) ii) Treatment Method: Septic Tank iii) Mode of Disposal: Overflow will be used for green area.			
21.	Solid waste generation and its disposal	Solid waste will be disposed as per Solid Waste Management Rules, 2016.			
22.	Green Belt Development Plan including no. of trees to be planted & its species.	Tree cutting (if any): Nil No. of plant to be planted: 180 Nos. Funds Allocated: Rs. 0.80 lacs			
23.	Environment Management Plan along with Budgetary breakup and responsibility to implement	Mr. Avnit Kaushal will be responsible for the implementation of EMP till the mining activities closed as per the mining plan.			
		Sr. No.	Description	Capital cost (lacs)	Recurring Cost (in Rs. Lakh/annum)
		1	Monitoring of Air, Water, Soil, etc. twice a year.	-	1.0
		2	Year Pollution Control Management of Haulage Roads & mine road	-	1.0

	including Sprinkling. Tractor trolley with sprinkler		
3	Green Belt Development	1.95	0.65
4	Provision of Septic Tank	1.0	0.35
5	Occupational Health Measures Provision of PPE, First Aid and Other Miscellaneous expenditure.	0.50	0.25
	<b>TOTAL</b>	3.45 Lakhs	3.35 Lakhs

24. CER activities along with budgetary break up and responsibility to implement Mr. Kartik Rathi (Director) of M/s. Mahadev Enclave Private Limited will be responsible for implementation of Corporate Environmental Responsibility (CER). As the project cost is Rs. 35.92 Lakhs; thus; Rs. 0.72 Lakhs have been reserved for CER activities as per Office Memorandum of CER dated 01.05.2018. It was proposed to spent on the followings: -  
1. Rs. 0.72 Lakhs will be spent for providing drinking water facility, toilets, furniture and maintenance of school building of Nankana Sahib Public Senior Secondary School Khasi Kalan.

SEAC asked the project proponent and his Environmental Consultant to clarify the following observations to which he replied as under: -

Sr. No.	Observations	Reply submitted by the project proponent and his Environmental Consultant
1.	The project proponent is required to earmark two tubewells/ borewells/ wells as observation wells in the adjoining area within a radius of 500m of the project site. Also, monthly monitoring of the water level in the wells is required to be carried out and reported to District Mining Officer on monthly basis.	The project proponent agreed to the same.
2.	The project proponent is required to plant trees of natives species having plant height more than 3 ft along with tree guard.	The project proponent agreed to the same.
3.	The project proponent is required to submit an undertaking to the effect that the mining shall be carried out as per the approved Mining Plan and comply with the terms and conditions of Department of Mines & Geology, Govt. of Punjab as issued from time to time.	The project proponent agreed to the same.
4.	As per the condition no. 21 mentioned in the standard	The project proponent agreed to the same.



	<p>Environmental Conditions for sand mining as given in the Sustainable Sand Mining Management Guidelines, 2016, mining should begin only after pucca pillar, marking the boundary of lease area, is erected at the cost of the lease holder after certification by the mining official and its geo coordinates are made available to the District Level Committee and a condition to the same shall be imposed in the Environmental Clearance issued to the project proponent.</p>	
5.	<p>The project proponent could not justify as to why the semi-mechanized mining is better for environment as compared to manual mining. The Committee decided that the project proponent shall carryout mining only by manual method.</p>	<p>The project proponent agreed to the same.</p>

SEAC was satisfied from the presentation and reply given to the observation. SEAC took a copy of presentation along with reply on record.

## **2.0 Recommendation of SEAC**

After deliberations, SEAC decided to award silver grading to the project and forward the application of the project proponent to SEIAA with the recommendations to grant Environmental Clearance for mining of minor minerals (Sand) on Agricultural Land located in the revenue estate of village Khasi Kalan, Tehsil Ludhiana East, District Ludhiana, Punjab submitted by M/s Mahadev Enclave Pvt. Ltd. as per Annexure-I along with the following additional conditions:

1. The project proponent shall carry out mining only by the manual method.
2. The project proponent is required to earmark two tubewells/ borewells/ wells as observation wells in the adjoining area within a radius of 500m of the project site. Also, monthly monitoring of the water level in the wells is required to be carried out and reported to District Mining Officer on monthly basis.
3. The project proponent shall begin mining only after pucca pillar marking, the boundary of lease area is erected at the cost of the lease holder after certification by the mining official and its geo coordinates are made available to the District Level Committee.
4. The proponent shall plant 390 number of plants of native species of not less than 3 ft in size at the identified location and protect the same with tree guards. The proponent shall make adequate provision of funds and ensure maintenance of the plants for a further period of three years.

5. The project proponent shall construct rain water harvesting pits along with desilting chambers at the identified location of the village Khasi Kalan, Tehsil Ludhiana East, District Ludhiana, Punjab. The project proponent shall follow the CGWA guidelines for constructing the rainwater recharging pits.
6. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility. The project proponent shall adhere to the commitments made in the proposal for CER activities for spending at least minimum amount of Rs. 0.72 Lakhs towards following activities:

<b>Sr. No.</b>	<b>Particulars</b>	<b>Amount (in Rs)</b>
1	Drinking water facility, toilets, furniture and maintenance of school building of Nankana Sahib Public Senior Secondary School Khasi Kalan.	Rs. 0.72 Lakhs
<b>Total</b>		Rs. 0.72 Lakhs

### **3.0 Deliberations during the 174<sup>th</sup> meeting of SEIAA held on 31.10.2020**

The case was considered by SEIAA in its 174<sup>th</sup> meeting held on 31.10.2020 and was attended by the following on behalf of the project proponent:

- i) Sh. Manoj Kumar, authorized signatory of the promoter company.
- ii) Dr. Sandeep Garg, EIA Coordinator & Smt. Simranjit Kaur of M/s Eco Lab, Mohali, Environmental Consultant of the project proponent.

Environmental consultant of the promoter company presented the salient features of the project before SEIAA. A copy of the presentation was also submitted which was taken on record.

To a query SEIAA regarding the NOC from the Forest Department, Environmental Consultant informed that Forest Department has issued NOC to the project vide letter No. 542 dated 03.06.2020.

To another query of SEIAA regarding cluster formation, Environmental Consultant informed that the Mining Department has issued Certificate vide No. 2472 dated 23.10.2020 to the effect that no other mine lease is existing within 500 m periphery from the area of present mining site.

During discussions, the representative of the promoter company agreed to comply with fully all the conditions as mentioned by SEAC and amended by the SEIAA

The SEIAA observed that the case stands recommended by SEAC and the Committee has awarded 'Silver Grading' to the project proposal. The SEIAA looked into the details of the case and was satisfied with the same.

“Proceedings of 174<sup>th</sup> meeting of SEIAA  
held on 31.10.2020”

Therefore, the Authority decided to accept the recommendations of SEAC and grant Environmental Clearance for mining of minor minerals (Sand) @ 41,406 TPA upto a depth of 3 m (below ground level) on Agricultural Land in an area of 3.85 ha located in the revenue estate of village Khasi Kalan, Tehsil Ludhiana East, District Ludhiana, Punjab submitted by M/s Mahadev Enclave Pvt. Ltd., as per approved mining Plan with the manual method of mining only & subsequent presentation /clarifications made by the project proponent and his consultant, with proposed measures and conditions as recommended by SEAC.

**Item No 174.11: Application for obtaining Environmental Clearance under EIA notification dated 14.09.2006 for mining of minor minerals On Agricultural Land in the village Chamb, Tehsil & District- Ferozepur, Punjab submitted by Prime Vision Industries Private Limited. (Proposal No. SIA/PB/MIN/177777/2020)**

M/s Prime Vision Industries Pvt Ltd has applied for obtaining Environmental Clearance under EIA notification dated 14.09.2006 for mining of minor minerals (Sand) **On Agricultural Land in the village Chamb Tehsil & District- Ferozepur, Punjab** on 09.03.2020. The project is covered under category 1 (a) of the Schedule appended to the said notification.

Further, on the basis of scrutiny of application, EDS were raised on 18.04.2020 by SEIAA to which project proponent replied on 15.06.2020, respectively. The project proponent submitted all the requisite documents as per the check list of mining case along with Form-02. The project proponent submitted a hard copy of the same, which was taken on record.

**(A) General**

i)	Name of Applicant & Correspondence address: Mobile No: Email ID:	M/s Prime Vision Industries Pvt Ltd <b>312, Vishal Chamber P-1, Sector-18, Noida, Uttar Pradesh.</b> 9646210786 Primevision.pb.ec@gmail.com
ii)	Name of Environmental Consultant Mobile No. Email ID	P and M solution 9910037943 <a href="mailto:Manasvyas23@gmail.com">Manasvyas23@gmail.com</a>

**1.0 Deliberations during the 195<sup>th</sup> meeting of SEAC held on 24.10.2020.**

The case was considered by SEAC in its 195<sup>th</sup> meeting held on 24.10.2020. The meeting was attended by the following through Video Conference on behalf of the project proponent:

- (i) Sh. Harkesh Singh, Authorised signatory, on behalf of the project proponent.
- (ii) Sh. Subhash Kumar, EIA Coordinator and Sh. Manas Vyas, FAE, M/s P & M Solutions, Noida, Environment Consultant of the promoter company.

SEAC allowed the project proponent to present the salient features of the project and the Environment Consultant of the promoter company presented the same as under:

S.No.	Item	Details		
1.	Online Proposal No.	SIA/PB/MIN/177777/2020		
2.	Project Name & Location	Chamb sand mining project at Hadbast no-28, village-Chamb, Tehsil Zira, District-Firozpur, Punjab		
3	Project/activity covered under item of scheduled to the EIA Notification, 14.09.2006.	SI. No. 1(a)		
4	Details of Mining Lease			
i)	Mineral (s) to be mined	Sand		
ii)	Capacity of Mine	The Proposed production Capacity 31696.59 TPA.		
iii)	Mining Lease Area	Total area is 3.32 Ha		
iv)	Details Letter of Intent (LOI)/E-Auction issued by the State Govt.	Reference No:1709-10 Date of Issue:09.07.2019 Validity of LOI: Mining Lease Area: 3.32 Ha. Mining Quantity: 31696.59 TPA		
5	HadBast No.	136		
6	Land Khasra No. & their consent details			
	Sr No	Type	Khasra No	
	1	Govt Land		
	2	Private Land	[22//10 (6-8), 9/2(6-18), 9/1(1-2)8(8-0), 11(6-2), 12/1(4-0), 12/2(4-0)13/1(4-15), 20(2-5), 19(7-16), 23//3(0-19), 4(6-6), 5/2(4-0), 6/2(2-18), 7(0-5)]	
7.	Latitude & Longitude			
	S.No.	Corner	Latitude	Longitude
	1	A	31° 3'38.15"N	75° 0'49.68"E
	2	B	31° 3'33.81"N	75° 0'50.10"E

	3	C	31° 3'32.40"N	75° 0'52.60"E	
	4	D	31° 3'32.41"N	75° 0'54.64"E	
	5	E	31° 3'35.51"N	75° 0'54.51"E	
	6	F	31° 3'35.58"N	75° 0'56.50"E	
	7	G	31° 3'36.53"N	75° 0'56.46"E	
	8	H	31° 3'36.53"N	75° 0'56.94"E	
	9	I	31° 3'38.20"N	75° 0'56.90"E	
	10	J	31° 3'30.64"N	75° 0'55.99"E	
	11	K	31° 3'30.59"N	75° 0'59.89"E	
	12	L	31° 3'29.55"N	75° 0'59.87"E	
	13	M	31° 3'29.53"N	75° 1'2.46"E	
	14	N	31° 3'28.54"N	75° 1'2.43"E	
	15	O	31° 3'28.56"N	75° 1'1.75"E	
	16	P	31° 3'26.78"N	75° 1'1.82"E	
8	Whether the project attracts the General Condition.		No		
9.	Does the project involves diversion of forest land.If yes, a. Extent of the forest land. b. Status of the forest clearance. If No, submit documentary proof		No		
10	Does the project fall within 10 km of eco-sensitive area/ National park/Wild Life Sanctuary? If yes, Status of NOC. If No, If No, submit documentary proof		Harike 5KM		
11.	Land requirement for the project		Prior to the project proposal		
			Sr No.	Ownership pattern	Area in Ha
			i)	Forest Land	Nil
			ii)	Private land	3.32
		iii)	Government land	Nil	

"Proceedings of 174<sup>th</sup> meeting of SEIAA  
held on 31.10.2020"

		iv)	Revenue land	Nil
		v)	Other land	Nil
		vi)	Total land	3.32
		Present Land use Break Up		
		Sr No.	Land use	Area in Ha
		i)	Agriculture Area	3.32
		ii)	Waste/Barren Area	Nil
		iii)	Settlement	Nil
		iv)	Surface water Bodies	Nil
		v)	Other( Specify)	Nil
12.	Cost of the project	Overall cost of the project is about Rs. 1,47,34,774/-. The capital investment in the project is estimated to be Rs 27,44,925/-.		
13.	Environmental Clearance. Fee details	Rs 6640/- Vide NEFT No 608226550 dated 20/07/20		
14.	Details of Final District Survey Report	Approved by :- District Commissioner .Ferozepur Reference No:728 Date of Issue: 8/06/2020		
15	Details of visit report of Sub Divisional Level Committee	Date of visit: - 07.09.2017 Recommendation: Suitable for mining		
16	Details of Mining Plan	Approved by :- State Geologists Punjab Approval Letter No: Glg/Pb/M.P./2020/CHAMB /428 Date of Approval: 01.07.2020 Approved Mining Lease Area: 3.32 Ha Approved Mining Quantity: 31696.59 Tonnes per annum. Depth of Mining (m):3.0 Metres.		
17	Demarcation report of mining site	Date of demarcation:18.05.20		
18.	Workers (when fully operational)	26 Persons.		
19.	Water Requirements & source	Domestic: 0.52 KLD ( @ 20 lpcd) Plantation: 0.90 KLD Dust Suppression: 6.00 KLD Total: 7.42 KLD Ground water/Others: Nil		
20.	Waste water generation, Treatment & its Disposal	i) Quantity of Waste water: Nil KLD (80% of water requirement) ii) Treatment Method: Septic Tank iii) Mode of Disposal :		

		a) Plantation purpose.: 0.90 KLD b) Dust Suppression: 6.00 KLD																								
21	Solid waste generation and its disposal	Solid waste will be disposed as per Solid Waste Management Rules, 2016.																								
22.	Green Belt Development Plan including no. of trees to be planted & its species.	Tree cutting ( if any ) : Nil The comprehensive plantation plan will be submitted at the time EC.																								
23.	Environment Management Plan along with Budgetary breakup and responsibility to implement	<p><b>Prime Vision Industries Pvt Ltd.</b> will be responsible for the implementation of EMP till the mining activities closed as per the mining plan.</p> <table border="1"> <thead> <tr> <th>Sr. No</th> <th>Description</th> <th>Capital Cost (Rs)</th> <th>Recurring Cost (Rs)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Dust suppression through water sprinkling</td> <td>Nil</td> <td>1,00,000</td> </tr> <tr> <td>2</td> <td>Pollution Monitoring i) Air pollution ii) Water pollution iii) Noise Pollution</td> <td>--</td> <td>1,00,000</td> </tr> <tr> <td>3</td> <td>Plantation and salary for one gardener (part time basis).</td> <td>4,26,000</td> <td>3,70,000</td> </tr> <tr> <td>4</td> <td>Haul road Maintenance Cost</td> <td>3,50,000</td> <td>50,000</td> </tr> <tr> <td colspan="2" style="text-align: center;">TOTAL (Lakhs)</td> <td>7,76,000</td> <td>6,20,000</td> </tr> </tbody> </table>	Sr. No	Description	Capital Cost (Rs)	Recurring Cost (Rs)	1	Dust suppression through water sprinkling	Nil	1,00,000	2	Pollution Monitoring i) Air pollution ii) Water pollution iii) Noise Pollution	--	1,00,000	3	Plantation and salary for one gardener (part time basis).	4,26,000	3,70,000	4	Haul road Maintenance Cost	3,50,000	50,000	TOTAL (Lakhs)		7,76,000	6,20,000
Sr. No	Description	Capital Cost (Rs)	Recurring Cost (Rs)																							
1	Dust suppression through water sprinkling	Nil	1,00,000																							
2	Pollution Monitoring i) Air pollution ii) Water pollution iii) Noise Pollution	--	1,00,000																							
3	Plantation and salary for one gardener (part time basis).	4,26,000	3,70,000																							
4	Haul road Maintenance Cost	3,50,000	50,000																							
TOTAL (Lakhs)		7,76,000	6,20,000																							
		A total of 1066 trees will be planted by the PP during the mine lease period on the land provided by the Gram Panchayat. About 40% trees i.e 426 shall be planted in the first year and 30% plants i.e 320 trees in 2 <sup>nd</sup> and 3 <sup>rd</sup> year.																								
24	CER activities along with budgetary break up and responsibility to implement	Sh. Harkesh Singh of M/s. Prime Vision Industries Pvt Ltd will be responsible for implementation of Corporate Environmental Responsibility (CER). PP will install 1 Kwh Solar Power Plant at Government Primary School in Village Chamb at a cost of Rs 40,000/-																								

SEAC asked the project proponent and his Environmental Consultant to clarify the following observations to which he replied as under: -

<b>Sr. No.</b>	<b>Observations</b>	<b>Reply submitted by the project proponent and his Environmental Consultant</b>
1.	The project proponent is required to earmark two tubewells/ borewells/ wells as observation wells in the adjoining area within a radius of 500m of the project site. Also, monthly monitoring of the water level in the wells is required to be carried out and reported to District Mining Officer on monthly basis.	The project proponent agreed to the same.
2.	The project proponent is required to plant trees of natives species having plant height more than 3 ft along with tree guard.	The project proponent agreed to the same.
3.	The project proponent is required to submit an undertaking to the effect that the mining shall be carried out as per the approved Mining Plan and comply with the terms and conditions of Department of Mines & Geology, Govt. of Punjab as issued from time to time.	The project proponent agreed to the same.
4.	As per the condition no. 21 mentioned in the standard Environmental Conditions for sand mining as given in the Sustainable Sand Mining Management Guidelines, 2016, mining should begin only after pucca pillar, marking the boundary of lease area, is erected at the cost of the lease holder after certification by the mining official and its geo coordinates are made available to the District Level Committee and a condition to the same shall be imposed in the Environmental Clearance issued to the project proponent.	The project proponent agreed to the same.
5.	The project proponent could not justify as to why the semi-	The project proponent agreed to the same.



	mechanized mining is better for environment as compared to manual mining. The Committee decided that the project proponent shall carryout mining only by manual method.	
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SEAC was satisfied from the presentation and reply given to the observation. SEAC took a copy of presentation along with reply on record.

## 2.0 Recommendation of SEAC

After deliberations, SEAC decided to award silver grading to the project and forward the application of the project proponent to SEIAA with the recommendations to grant Environmental Clearance for mining of minor minerals (Sand) on Agricultural Land located in the revenue estate of village Chamb, Tehsil & District Ferozepur, Punjab submitted by M/s Prime Vision Industries Pvt. Ltd. as per Annexure-I along with the following additional conditions:

1. The project proponent shall carry out mining only by the manual method.
2. The project proponent is required to earmark two tubewells/ borewells/ wells as observation wells in the adjoining area within a radius of 500m of the project site. Also, monthly monitoring of the water level in the wells is required to be carried out and reported to District Mining Officer on monthly basis.
3. The project proponent shall begin mining only after pucca pillar marking, the boundary of lease area is erected at the cost of the lease holder after certification by the mining official and its geo coordinates are made available to the District Level Committee.
4. The proponent shall plant 1066 number of plants of native species of not less than 3 ft in size at the identified location and protect the same with tree guards. The proponent shall make adequate provision of funds and ensure maintenance of the plants for a further period of three years.
5. The project proponent shall construct rain water harvesting pits along with desilting chambers in the Govt. Primary School of the village Chamb, Tehsil & District Ferozepur. The project proponent shall follow the CGWA guidelines for constructing the rainwater recharging pits.
6. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility. The project proponent shall adhere to the commitments made in the proposal for CER activities for spending at least minimum amount of Rs. 40,000/- towards following activities:

Sr. No.	Particulars	Amount (in Rs)
1	PP will install 1 Kwh Solar Power Plant at Government Primary School in Village Chamb	40,000/-
<b>Total</b>		<b>40,000/</b>

### **3.0 Deliberations during the 174<sup>th</sup> meeting of SEIAA held on 31.10.2020**

The case was considered by SEIAA in its 174<sup>th</sup> meeting held on 31.10.2020 and was attended by the following on behalf of the project proponent:

- i) Sh. Harkesh Singh, Authorised signatory, on behalf of the project proponent.
- ii) Sh. Subhash Kumar, EIA Coordinator and Sh. Manas Vyas, FAE, M/s P & M Solutions, Noida, Environment Consultant of the promoter company.

Environmental consultant of the promoter company presented the salient features of the project before SEIAA. A copy of the presentation was also submitted which was taken on record.

To a query SEIAA regarding the NOC from the Forest Department, Environmental Consultant informed that Forest Department has issued NOC to the project vide letter No. 7676 dated 28.09.2020.

To another query of SEIAA regarding cluster formation, Environmental Consultant informed that the Mining Department has issued Certificate vide No. 326 dated 20.10.2020 to the effect that no other mine lease is existing within 500 m periphery from the area of present mining site.

During discussions, the representative of the promoter company agreed to comply with fully all the conditions as mentioned by SEAC.

The SEIAA observed that the case stands recommended by SEAC and the Committee has awarded 'Silver Grading' to the project proposal. The SEIAA looked into the details of the case and was satisfied with the same.

Therefore, the Authority decided to accept the recommendations of SEAC and grant Environmental Clearance for mining of minor minerals (Sand) @ 31,696.59 TPA upto a depth of 3 m (below ground level) on Agricultural Land in an area of 3.32 ha located in the revenue estate of village Chamb, Tehsil & District Ferozepur, Punjab to M/s Prime Vision Industries Pvt. Ltd., as per approved mining Plan with the manual method of mining only & subsequent presentation /clarifications made by the project proponent and his consultant, with proposed measures and conditions as recommended by SEAC and additional condition that the project proponent shall adopt the transportation route away from the habitation area.

**Item No 174.12: Application for obtaining Environmental Clearance under EIA notification dated 14.09.2006 for mining of minor minerals On Agricultural Land in the village Jatala, Tehsil Guru Har Sahai, District- Ferozepur, Punjab submitted by Prime Vision Industries Private Limited. (Proposal No. SIA/PB/MIN/178584//2020)**

M/s Prime Vision Industries Pvt Ltd has applied for obtaining Environmental Clearance under EIA notification dated 14.09.2006 for mining of minor minerals (Sand) **On Agricultural Land in the village Jatala Tehsil Tehsil Guru Har Sahai, District-Ferozpur, Punjab** on 12.10.2020. The project is covered under category 1 (a) of the Schedule appended to the said notification.

Further, on the basis of scrutiny of application, EDS were raised on 18.04.2020 by SEIAA to which project proponent replied on 15.06.2020, respectively. The project proponent submitted all the requisite documents as per the check list of mining case along with Form-02. The project proponent submitted a hard copy of the same, which was taken on record.

### (A) General

i)	Name of Applicant & Correspondence address: Mobile No: Email ID:	M/s Prime Vision Industries Pvt Ltd <b>312, Vishal Chamber P-1, Sector-18, Noida, Uttar Pradesh.</b> 9646210786 Primevision.pb.ec@gmail.com
ii)	Name of Environmental Consultant Mobile No. Email ID	P and M solution 9910037943 <a href="mailto:Manasvyas23@gmail.com">Manasvyas23@gmail.com</a>

### 1.0 Deliberations during the 195<sup>th</sup> meeting of SEAC held on 24.10.2020.

The case was considered by SEAC in its 195<sup>th</sup> meeting held on 24.10.2020. The meeting was attended by the following through Video Conference on behalf of the project proponent:

- (i) Sh. Harkesh Singh, Authorized signatory, on behalf of the project proponent.
- (ii) Sh. Subhash Kumar, EIA Coordinator and Sh. Manas Vyas, FAE, M/s P & M Solutions, Noida, Environment Consultant of the promoter company.

SEAC allowed the project proponent to present the salient features of the project and the Environment Consultant of the promoter company presented the same as under:

S.No.	Item	Details
1.	Online Proposal No.	SIA/PB/MIN/178584//2020
2.	Project Name & Location	Jatala Sand Mining Project At Hadbast No-255, Village-Jatala, Tehsil Guru Har Sahai, District- Firozpur, Punjab

3	Project/activity covered under item of scheduled to the EIA Notification, 14.09.2006.		SI. No. 1(a)	
4	Details of Mining Lease			
i)	Mineral (s) to be mined		Sand	
ii)	Capacity of Mine		The Proposed production Capacity 8481.22 TPA.	
iii)	Mining Lease Area		Total area is 1.43 Ha	
iv)	Details Letter of Intent (LOI)/E-Auction issued by the State Govt.		Reference No:1709-10 Date of Issue:09.07.2019 Validity of LOI: Mining Lease Area: 1.43 Ha.	
5	HadBast No.		255	
6	Land Khasra No. & their consent details			
	Sr No	Type	Khasra No	
	1	Govt Land	----	
	2	Private Land	[9//3(7-7), 10//5/1(0-18),2//23/2(2-0),24(8-0),25/1(3- 0),25/2(5-0),3//21/1/1(2-0)]	
7.	Latitude & Longitude			
	S.No.	Corner	Latitude	Longitude
	1	A	30° 50'29.05"N	74°26'4.17"E
	2	B	30° 50'29.05"N	74°26'1.60"E
	3	C	30° 50'30.85"N	74°26'1.60"E
	4	D	30° 50'30.85"N	74°26'4.17"E
	5	E	30° 50'29.19"N	74°25'54.35"E
	6	F	30° 50'29.19"N	74°25'53.90"E
	7	G	30° 50'31.08"N	74°25'53.90"E
	8	H	30° 50'31.08"N	74°25'51.23"E
	9	I	30° 50'33.10"N	74°25'57.23"E
	10	J	30° 50'33.10"N	74°25'57.30"E
	11	K	30° 50'33.10"N	74°25'57.30"E
	12	L	30° 50'31.08"N	74°25'57.35"E
8	Whether the project attracts the General Condition.		No	

9.	Does the project involves diversion of forest land.If yes, a. Extent of the forest land. b. Status of the forest clearance. If No, submit documentary proof	No																																							
10	Does the project fall within 10 km of eco-sensitive area/ National park/Wild Life Sanctuary? If yes, Status of NOC. If No, If No, submit documentary proof	No																																							
11.	Land requirement for the project	<p>Prior to the project proposal</p> <table border="1"> <thead> <tr> <th>Sr No.</th> <th>Ownership pattern</th> <th>Area in Ha</th> </tr> </thead> <tbody> <tr> <td>i)</td> <td>Forest Land</td> <td>Nil</td> </tr> <tr> <td>ii)</td> <td>Private land</td> <td>1.43</td> </tr> <tr> <td>iii)</td> <td>Government land</td> <td>Nil</td> </tr> <tr> <td>iv)</td> <td>Revenue land</td> <td>Nil</td> </tr> <tr> <td>v)</td> <td>Other land</td> <td>Nil</td> </tr> <tr> <td>vi)</td> <td>Total land</td> <td>1.43</td> </tr> </tbody> </table> <p>Present Land use Break Up</p> <table border="1"> <thead> <tr> <th>Sr No.</th> <th>Land use</th> <th>Area in Ha</th> </tr> </thead> <tbody> <tr> <td>i)</td> <td>Agriculture Area</td> <td>1.43</td> </tr> <tr> <td>ii)</td> <td>Waste/Barren Area</td> <td>---</td> </tr> <tr> <td>iii)</td> <td>Settlement</td> <td>---</td> </tr> <tr> <td>iv)</td> <td>Surface water Bodies</td> <td>---</td> </tr> <tr> <td>v)</td> <td>Other( Specify)</td> <td>Nil</td> </tr> </tbody> </table>	Sr No.	Ownership pattern	Area in Ha	i)	Forest Land	Nil	ii)	Private land	1.43	iii)	Government land	Nil	iv)	Revenue land	Nil	v)	Other land	Nil	vi)	Total land	1.43	Sr No.	Land use	Area in Ha	i)	Agriculture Area	1.43	ii)	Waste/Barren Area	---	iii)	Settlement	---	iv)	Surface water Bodies	---	v)	Other( Specify)	Nil
Sr No.	Ownership pattern	Area in Ha																																							
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iii)	Settlement	---																																							
iv)	Surface water Bodies	---																																							
v)	Other( Specify)	Nil																																							
12.	Cost of the project	Overall cost of the project is about Rs. 49,38,154/-. The capital investment in the project is estimated to be Rs 7,29,384/-.																																							
13.	Environmental Clearance. Fee details	Rs 2860/- Vide NEFT No 614334448 dated 07/10/20																																							
14.	Details of Final District Survey Report	Approved by :- District Commissioner .Ferozpur Reference No:728 Date of Issue: 08/06/2020																																							
15	Details of visit report of Sub Divisional Level Committee	Date of visit: - 07.09.2017 Recommendation: Suitable for mining																																							
16	Details of Mining Plan	Approved by :- State Geologists Punjab Approval Letter No: Glg/Pb/M.P./2020/JATALA/525																																							

		Date of Approval: 14.08.2020 Approved Mining Lease Area: 1.43 Ha Approved Mining Quantity: 8481.22 TPA Depth of Mining (m):3.0 Metres.			
17	Demarcation report of mining site	Date of demarcation:18.01.2020			
18.	Workers (when fully operational)	13 Persons.			
19.	Water Requirements & source	Domestic: 0.40 KLD ( @ 20 lpcd) Plantation: 0.12 KLD Dust Suppression: 2.90 KLD Total:3.42 KLD Ground water/Others: Nil			
20.	Waste water generation, Treatment &its Disposal	i) Quantity of Waste water : Nil KLD (80% of water requirement) ii) Treatment Method: Septic Tank iii) Mode of Disposal : a) Plantation purpose.: 0.12 KLD b) Dust Suppression: 2.90 KLD			
21	Solid waste generation and its disposal	Solid waste will be disposed as per Solid Waste Management Rules, 2016.			
22.	Green Belt Development Plan including no. of trees to be planted & its species.	Tree cutting ( if any ) : Nil The comprehensive plantation plan will be submitted at the time EC.			
23.	Environment Management Plan along with Budgetary breakup and responsibility to implement	Prime Vision Industries Pvt Ltd. will be responsible for the implementation of EMP till the mining activities closed as per the mining plan.			
		Sr. No	Description	Capital Cost (Rs)	Recurring Cost (Rs)
		1	Dust suppression through water sprinkling	Nil	1,00,000
		2	Pollution Monitoring i) Air pollution ii) Water pollution iii) Noise Pollution	--	1,00,000

		3	Plantation and salary for one gardener (part time basis).	2,38,000	1,92,000
		4	Haul road Maintenance Cost	3,50,000	50,000
		TOTAL (Lakhs)		5,88,000	4,42,000
		A total of 472 trees will be planted by the PP during the mine lease period on the land provided by the Gram Panchayat. About 40% trees i.e. 188 shall be planted in the first year and 30% plants i.e. 142 trees in 2 <sup>nd</sup> and 3 <sup>rd</sup> year.			
24	CER activities along with budgetary break up and responsibility to implement Sh. Harkesh Singh of M/s. Prime Vision Industries Pvt Ltd will be responsible for implementation of Corporate Environmental Responsibility (CER). PP will install 1 Kwh Solar Power Plant at Government Primary School in Village Jatala at a cost of Rs 40,000/-				

SEAC asked the project proponent and his Environmental Consultant to clarify the following observations to which he replied as under: -

Sr. No.	Observations	Reply submitted by the project proponent and his Environmental Consultant
1.	The project proponent is required to earmark two tubewells/ borewells/ wells as observation wells in the adjoining area within a radius of 500m of the project site. Also, monthly monitoring of the water level in the wells is required to be carried out and reported to District Mining Officer on monthly basis.	The project proponent agreed to the same.
2.	The project proponent is required to plant trees of natives species having plant height more than 3 ft along with tree guard.	The project proponent agreed to the same.
3.	The project proponent is required to submit an undertaking to the effect that the mining shall be carried out as per the approved Mining Plan and comply with the terms and conditions of Department of Mines &	The project proponent agreed to the same.

	Geology, Govt. of Punjab as issued from time to time.	
4.	As per the condition no. 21 mentioned in the standard Environmental Conditions for sand mining as given in the Sustainable Sand Mining Management Guidelines, 2016, mining should begin only after pucca pillar, marking the boundary of lease area, is erected at the cost of the lease holder after certification by the mining official and its geo coordinates are made available to the District Level Committee and a condition to the same shall be imposed in the Environmental Clearance issued to the project proponent.	The project proponent agreed to the same.
5.	The project proponent could not justify as to why the semi-mechanized mining is better for environment as compared to manual mining. The Committee decided that the project proponent shall carryout mining only by manual method.	The project proponent agreed to the same.

SEAC was satisfied from the presentation and reply given to the observation. SEAC took a copy of presentation along with reply on record.

## **2.0 Recommendation of SEAC**

After deliberations, SEAC decided to award silver grading to the project and forward the application of the project proponent to SEIAA with the recommendations to grant Environmental Clearance for mining of minor minerals (Sand) on Agricultural Land located in the revenue estate of village Jatala, Tehsil Guru Har Sahai & District Ferozepur, Punjab submitted by M/s Prime Vision Industries Pvt. Ltd. as per Annexure-I along with the following additional conditions:

1. The project proponent shall carry out mining only by the manual method.
2. The project proponent is required to earmark two tubewells/ borewells/ wells as observation wells in the adjoining area within a radius of 500m of the project site. Also, monthly monitoring of the water level in the wells is required to be carried out and reported to District Mining Officer on monthly basis.
3. The project proponent shall begin mining only after pucca pillar marking, the boundary of lease area is erected at the cost of the lease holder after certification



by the mining official and its geo coordinates are made available to the District Level Committee.

4. The proponent shall plant 472 number of plants of native species of not less than 3 ft in size at the identified location and protect the same with tree guards. The proponent shall make adequate provision of funds and ensure maintenance of the plants for a further period of three years.
5. The project proponent shall construct rain water harvesting pits along with desilting chambers in the Govt. Primary School of the village Jatala, Tehsil Guru Har Sahai & District Ferozepur. The project proponent shall follow the CGWA guidelines for constructing the rainwater recharging pits.
6. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility. The project proponent shall adhere to the commitments made in the proposal for CER activities for spending at least minimum amount of Rs. 40,000/- towards following activities:

<b>Sr. No.</b>	<b>Particulars</b>	<b>Amount (in Rs)</b>
1	PP will install 1 Kwh Solar Power Plant at Government Primary School in Village jatala	40,000/-
<b>Total</b>		<b>40,000/</b>

### **3.0 Deliberations during the 174<sup>th</sup> meeting of SEIAA held on 31.10.2020**

The case was considered by SEIAA in its 174<sup>th</sup> meeting held on 31.10.2020 and was attended by the following on behalf of the project proponent:

- i) Sh. Harkesh Singh, Authorised signatory, on behalf of the project proponent.
- ii) Sh. Subhash Kumar, EIA Coordinator and Sh. Manas Vyas, FAE, M/s P & M Solutions, Noida, Environment Consultant of the promoter company.

Environmental consultant of the promoter company presented the salient features of the project before SEIAA. A copy of the presentation was also submitted which was taken on record.

To a query SEIAA regarding the NOC from the Forest Department, Environmental Consultant informed that Forest Department has issued NOC to the project vide letter No. 7676 dated 28.09.2020.

To another query of SEIAA regarding cluster formation, Environmental Consultant informed that the Mining Department has issued Certificate vide No. 296 dated 27.07.2020 to the effect that no other mine lease is existing within 500 m periphery from the area of present mining site.

During discussions, the representative of the promoter company agreed to comply with fully all the conditions as mentioned by SEAC.

The SEIAA observed that the case stands recommended by SEAC and the Committee has awarded ‘Silver Grading’ to the project proposal. The SEIAA looked into the details of the case and was satisfied with the same.

Therefore, the Authority decided to accept the recommendations of SEAC and grant Environmental Clearance for mining of minor minerals (Sand) @ 8481.22 TPA upto a depth of 3 m (below ground level) on Agricultural Land in an area of 1.43 ha located in the revenue estate of village Jatala, Tehsil Guru Har Sahai & District Ferozpur to M/s Prime Vision Industries Pvt. Ltd., as per approved mining Plan with the manual method of mining only & subsequent presentation /clarifications made by the project proponent and his consultant, with proposed measures and conditions as recommended by SEAC and additional condition that the project proponent shall adopt the transportation route away from the habitation area.

**Item No 174.13: Application for obtaining Environmental Clearance under EIA notification dated 14.09.2006 for mining of minor minerals On Agricultural Land in the village Joura, Tehsil Zira District- Ferozpur, Punjab submitted by Prime Vision Industries Private Limited. (Proposal No. SIA/PB/MIN/178555/2020)**

M/s Prime Vision Industries Pvt Ltd has applied for obtaining Environmental Clearance under EIA notification dated 14.09.2006 for mining of minor minerals (Sand) **On Agricultural Land in the village Joura, Tehsil Zira District- Ferozpur, Punjab** on 09.03.2020. The project is covered under category 1 (a) of the Schedule appended to the said notification.

Further, on the basis of scrutiny of application, EDS were raised on 16.04.2020 by SEIAA to which project proponent replied on 16.06.2020, respectively. The project proponent submitted all the requisite documents as per the check list of mining case along with Form-02. The project proponent submitted a hard copy of the same, which was taken on record.

**(A) General**

i)	Name of Applicant & Correspondence address: Mobile No: Email ID:	M/s Prime Vision Industries Pvt Ltd <b>312, Vishal Chamber P-1, Sector-18, Noida, Uttar Pradesh.</b> 9646210786 Primevision.pb.ec@gmail.com
ii)	Name of Environmental Consultant Mobile No. Email ID	P and M solution 9910037943 <a href="mailto:Manasvyas23@gmail.com">Manasvyas23@gmail.com</a>

The case was considered by SEAC in its 195<sup>th</sup> meeting held on 24.10.2020. The meeting was attended by the following through Video Conference on behalf of the project proponent:

- (i) Sh. Harkesh Singh, Authorized signatory, on behalf of the project proponent.
- (ii) Sh. Subhash Kumar, EIA Coordinator and Sh. Manas Vyas, FAE, M/s P & M Solutions, Noida, Environment Consultant of the promoter company.

SEAC allowed the project proponent to present the salient features of the project and the Environment Consultant of the promoter company presented the same as under:

S.No.	Item	Details		
1.	Online Proposal No.	SIA/PB/MIN/178555/2020		
2.	Project Name & Location	Joura Sand Mining Project at Hadbast No-28, Village-Joura, Tehsil- Zira, District-Firozpur, Punjab		
3	Project/activity covered under item of scheduled to the EIA Notification, 14.09.2006.	SI. No. 1(a)		
4	Details of Mining Lease			
i)	Mineral (s) to be mined	Sand		
ii)	Capacity of Mine	The Proposed production Capacity 12355.71TPA.		
iii)	Mining Lease Area	Total area is 1.57 Ha		
iv)	Details Letter of Intent (LOI)/E-Auction issued by the State Govt.	Reference No:1709-10 Date of Issue:09.07.2019 Validity of LOI: Mining Lease Area: 1.57Ha. Mining Quantity: 12355.71TPA		
5	HadBast No.	12		
6	Land Khasra No. & their consent details			
	Sr No	Type	Khasra No	
	1	Govt Land		
	2	Private Land	[[35//1(7-0), 10(8-0), 11(8-0)][36//14(8-0)]	
7.	Latitude & Longitude			
	S.No.	Corner	Latitude	Longitude
	1	A	31° 02'24.80"N	74° 53'24.40"E
	2	B	31° 02'26.70"N	74° 53'24.40"E

	3	C	31° 02'26.80"N	74° 53'22.00"E																																							
	4	D	31° 02'25.00"N	74° 53'21.80"E																																							
	5	E	31° 02'24.90"N	74° 53'27.10"E																																							
	6	F	31° 02'25.00"N	74° 53'29.50"E																																							
	7	G	31° 02'30.80"N	74° 53'29.40"E																																							
	8	H	31° 02'30.70"N	74° 53'27.20"E																																							
8	Whether the project attracts the General Condition.		No																																								
9.	Does the project involves diversion of forest land.		No																																								
10	Does the project fall within 10 km of eco-sensitive area/ National park/Wild Life Sanctuary? If yes, Status of NOC. If No, If No, submit documentary proof		No																																								
11.	Land requirement for the project		<p>Prior to the project proposal</p> <table border="1"> <thead> <tr> <th>Sr No.</th> <th>Ownership pattern</th> <th>Area in Ha</th> </tr> </thead> <tbody> <tr> <td>i)</td> <td>Forest Land</td> <td>Nil</td> </tr> <tr> <td>ii)</td> <td>Private land</td> <td>1.57</td> </tr> <tr> <td>iii)</td> <td>Government land</td> <td>Nil</td> </tr> <tr> <td>iv)</td> <td>Revenue land</td> <td>Nil</td> </tr> <tr> <td>v)</td> <td>Other land</td> <td>Nil</td> </tr> <tr> <td>vi)</td> <td>Total land</td> <td>1.57</td> </tr> </tbody> </table> <p>Present Land use Break Up</p> <table border="1"> <thead> <tr> <th>Sr No.</th> <th>Land use</th> <th>Area in Ha</th> </tr> </thead> <tbody> <tr> <td>i)</td> <td>Agriculture Area</td> <td>1.57</td> </tr> <tr> <td>ii)</td> <td>Waste/Barren Area</td> <td>Nil</td> </tr> <tr> <td>iii)</td> <td>Settlement</td> <td>Nil</td> </tr> <tr> <td>iv)</td> <td>Surface water Bodies</td> <td>Nil</td> </tr> <tr> <td>v)</td> <td>Other( Specify)</td> <td>Nil</td> </tr> </tbody> </table>		Sr No.	Ownership pattern	Area in Ha	i)	Forest Land	Nil	ii)	Private land	1.57	iii)	Government land	Nil	iv)	Revenue land	Nil	v)	Other land	Nil	vi)	Total land	1.57	Sr No.	Land use	Area in Ha	i)	Agriculture Area	1.57	ii)	Waste/Barren Area	Nil	iii)	Settlement	Nil	iv)	Surface water Bodies	Nil	v)	Other( Specify)	Nil
Sr No.	Ownership pattern	Area in Ha																																									
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iii)	Settlement	Nil																																									
iv)	Surface water Bodies	Nil																																									
v)	Other( Specify)	Nil																																									
12.	Cost of the project		Overall cost of the project is about Rs. 54,37,700/-. The capital investment in the project is estimated to be Rs 10,63,000/-.																																								
13.	Environmental Clearance. Fee details		Rs 3140/- Vide NEFT No 608227422 dated 10/07/20																																								

14.	Details of Final District Survey Report	Approved by :- District Commissioner .Ferozpur Reference No:728 Date of Issue: 8/06/2020		
15	Details of visit report of Sub Divisional Level Committee	Date of visit: - 07.09.17 Recommendation: Suitable for mining		
16	Details of Mining Plan	Approved by :- State Geologists Punjab Approval Letter No: Glg/Pb/M.P./2020/Joura/437 Date of Approval: 01.09.2020 Approved Mining Lease Area: 1.57 Ha Approved Mining Quantity: 12355.71 Tonnes per annum. Depth of Mining (m):3.0 Metres.		
17	Demarcation report of mining site	Date of demarcation:17.12.19		
18.	Workers (when fully operational)	10 Persons.		
19.	Water Requirements & source	Domestic: 0.30 KLD ( @ 20 lpcd) Plantation: 0.15 KLD Dust Suppression: 1.48 KLD Total: 1.93 KLD Ground water/Others: Nil		
20.	Waste water generation, Treatment & its Disposal	i) Quantity of Waste water : Nil KLD (80% of water requirement) ii) Treatment Method: Septic Tank iii) Mode of Disposal : a) Plantation purpose.: 0.15 KLD b) Dust Suppression: 1.48 KLD		
21	Solid waste generation and its disposal	Solid waste will be disposed as per Solid Waste Management Rules, 2016.		
22.	Green Belt Development Plan including no. of trees to be planted & its species.	Tree cutting ( if any ) : Nil The comprehensive plantation plan will be submitted at the time EC.		
23.	Environment Management Plan along with Budgetary breakup and responsibility to implement	<b>Prime Vision Industries Pvt Ltd.</b> will be responsible for the implementation of EMP till the mining activities closed as per the mining plan.		
		Sr. No	Description	Capital Cost (Rs)
		1	Dust suppression through water sprinkling	1,00,000

		2	Pollution Monitoring i) Air pollution ii) Water pollution iii) Noise Pollution	--	1,00,000
		3	Plantation and salary for one gardener (part time basis).	2,58,000	2,05,000
		4	Haul road Maintenance Cost	55,000	30,000
		TOTAL (Lakhs)		3,13,000	4,35,000
		A total of 518 trees will be planted by the PP during the mine lease period on the land provided by the Gram Panchayat. About 40% trees i.e 208 shall be planted in the first year and 30% plants i.e 155 trees in 2 <sup>nd</sup> and 3 <sup>rd</sup> year.			
24	CER activities along with budgetary break up and responsibility to implement Sh. Harkesh Singh of M/s. Prime Vision Industries Pvt Ltd will be responsible for implementation of Corporate Environmental Responsibility (CER). PP will install 1 Kwh Solar Power Plant at Government Primary School in Village Joura at a cost of Rs 40,000/-				

SEAC asked the project proponent and his Environmental Consultant to clarify the following observations to which he replied as under: -

Sr. No.	Observations	Reply submitted by the project proponent and his Environmental Consultant
1.	The project proponent is required to earmark two tubewells/ borewells/ wells as observation wells in the adjoining area within a radius of 500m of the project site. Also, monthly monitoring of the water level in the wells is required to be carried out and reported to District Mining Officer on monthly basis.	The project proponent agreed to the same.
2.	The project proponent is required to plant trees of natives species having plant height more than 3 ft along with tree guard.	The project proponent agreed to the same.
3.	The project proponent is required to submit an undertaking to the effect that the mining shall be carried out as per the approved Mining Plan and comply with the terms and	The project proponent agreed to the same.

	conditions of Department of Mines & Geology, Govt. of Punjab as issued from time to time.	
4.	As per the condition no. 21 mentioned in the standard Environmental Conditions for sand mining as given in the Sustainable Sand Mining Management Guidelines, 2016, mining should begin only after pucca pillar, marking the boundary of lease area, is erected at the cost of the lease holder after certification by the mining official and its geo coordinates are made available to the District Level Committee and a condition to the same shall be imposed in the Environmental Clearance issued to the project proponent.	The project proponent agreed to the same.
5.	The project proponent could not justify as to why the semi-mechanized mining is better for environment as compared to manual mining. The Committee decided that the project proponent shall carryout mining only by manual method.	The project proponent agreed to the same.

SEAC was satisfied from the presentation and reply given to the observation. SEAC took a copy of presentation along with reply on record.

## **2.0 Recommendation of SEAC**

After deliberations, SEAC decided to award silver grading to the project and forward the application of the project proponent to SEIAA with the recommendations to grant Environmental Clearance for mining of minor minerals (Sand) on Agricultural Land located in the revenue estate of village Jaura, Tehsil Zira, District Ferozepur, Punjab submitted by M/s Prime Vision Industries Pvt. Ltd. As per Annexure-I along with the following additional conditions:

1. The project proponent shall carry out mining only by the manual method.
2. The project proponent is required to earmark two tubewells/ borewells/ wells as observation wells in the adjoining area within a radius of 500m of the project site. Also, monthly monitoring of the water level in the wells is required to be carried out and reported to District Mining Officer on monthly basis.
3. The project proponent shall begin mining only after pucca pillar marking, the boundary of lease area is erected at the cost of the lease holder after certification

by the mining official and its geo coordinates are made available to the District Level Committee.

4. The proponent shall plant 518 number of plants of native species of not less than 3 ft in size at the identified location and protect the same with tree guards. The proponent shall make adequate provision of funds and ensure maintenance of the plants for a further period of three years.
5. The project proponent shall construct rain water harvesting pits along with desilting chambers in the Govt. Primary School of the village Joura, Tehsil & District Ferozepur. The project proponent shall follow the CGWA guidelines for constructing the rainwater recharging pits.
6. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1<sup>st</sup> May 2018, as applicable, regarding Corporate Environment Responsibility. The project proponent shall adhere to the commitments made in the proposal for CER activities for spending at least minimum amount of Rs. 40,000/- towards following activities:

<b>Sr. No.</b>	<b>Particulars</b>	<b>Amount (in Rs)</b>
1	PP will install 1 Kwh Solar Power Plant at Government Primary School in Village Joura.	40,000/-
<b>Total</b>		<b>40,000/</b>

### **3.0 Deliberations during the 174<sup>th</sup> meeting of SEIAA held on 31.10.2020**

The case was considered by SEIAA in its 174<sup>th</sup> meeting held on 31.10.2020 and was attended by the following on behalf of the project proponent:

- i) Sh. Harkesh Singh, Authorised signatory, on behalf of the project proponent.
- ii) Sh. Subhash Kumar, EIA Coordinator and Sh. Manas Vyas, FAE, M/s P & M Solutions, Noida, Environment Consultant of the promoter company.

Environmental consultant of the promoter company presented the salient features of the project before SEIAA. A copy of the presentation was also submitted which was taken on record.

To a query SEIAA regarding the NOC from the Forest Department, Environmental Consultant informed that Forest Department has issued NOC to the project vide letter No. 7676 dated 28.09.2020.

To another query of SEIAA regarding cluster formation, Environmental Consultant informed that the Mining Department has issued Certificate vide No. 296 dated 27.07.2020 to the effect that no other mine lease is existing within 500 m periphery from the area of present mining site.

During discussions, the representative of the promoter company agreed to comply with fully all the conditions as mentioned by SEAC.



The SEIAA observed that the case stands recommended by SEAC and the Committee has awarded ‘Silver Grading’ to the project proposal. The SEIAA looked into the details of the case and was satisfied with the same.

Therefore, the Authority decided to accept the recommendations of SEAC and grant Environmental Clearance for mining of minor minerals (Sand) @ 12355.71 TPA upto a depth of 3 m (below ground level) on Agricultural Land in an area of 1.57 ha located in the revenue estate of village Jaura, Tehsil Zira, District Ferozpur, Punjab to M/s Prime Vision Industries Pvt. Ltd., as per approved mining Plan with the manual method of mining only & subsequent presentation /clarifications made by the project proponent and his consultant, with proposed measures and conditions as recommended by SEAC and additional condition that the project proponent shall adopt the transportation route away from the habitation area.

**Item No 174.14: Application for obtaining Environmental Clearance under EIA notification dated 14.09.2006 for mining of minor minerals On Agricultural Land in the village Mamdot Uttar, Tehsil & District- Ferozpur, Punjab submitted by Prime Vision Industries Private Limited. (Proposal No. SIA/PB/MIN/150611/2020)**

M/s Prime Vision Industries Pvt Ltd has applied for obtaining Environmental Clearance under EIA notification dated 14.09.2006 for mining of minor minerals (Sand) **On Agricultural Land in the village Mamdot Uttar Tehsil & District- Ferozpur, Punjab** on 09.03.2020. The project is covered under category 1 (a) of the Schedule appended to the said notification.

Further, on the basis of scrutiny of application, EDS were raised on 18.04.2020 by SEIAA to which project proponent replied on 15.06.2020, respectively. The project proponent submitted all the requisite documents as per the check list of mining case along with application form 02. The project proponent submitted a hard copy of the same, which was taken on record.

**(A) General**

i)	Name of Applicant & Correspondence address: Mobile No: Email ID:	M/s Prime Vision Industries Pvt Ltd <b>312, Vishal Chamber P-1, Sector-18, Noida, Uttar Pradesh.</b> 9646210786 Primevision.pb.ec@gmail.com
ii)	Name of Environmental Consultant Mobile No. Email ID	P and M solution 9910037943 <a href="mailto:Manasvyas23@gmail.com">Manasvyas23@gmail.com</a>

**1.0 Deliberations during the 195<sup>th</sup> meeting of SEAC held on 24.10.2020.**

The case was considered by SEAC in its 195<sup>th</sup> meeting held on 24.10.2020. The meeting was attended by the following through Video Conference on behalf of the project proponent:

- (i) Sh. Harkesh Singh, Authorised signatory, on behalf of the project proponent.
- (ii) Sh. Subhash Kumar, EIA Coordinator and Sh. Manas Vyas, FAE, M/s P & M Solutions, Noida, Environment Consultant of the promoter company.

SEAC allowed the project proponent to present the salient features of the project and the Environment Consultant of the promoter company presented the same as under:

S.No.	Item	Details		
1.	Online Proposal No.	SIA/PB/MIN/150611/2020		
2.	Project Name & Location	Mamdot Uttar2 Sand Mining Project at Hadbast No-28, Village-Mamdot Uttar, Tehsil & District-Firozpur, Punjab		
3	Project/activity covered under item of scheduled to the EIA Notification, 14.09.2006.	SI. No. 1(a)		
4	Details of Mining Lease			
i)	Mineral (s) to be mined	Sand		
ii)	Capacity of Mine	The Proposed production Capacity 7769.6 TPA.		
iii)	Mining Lease Area	Total area is 1.01 Ha		
iv)	Details Letter of Intent (LOI)/E-Auction issued by the State Govt.	Reference No:1709-10 Date of Issue:09.07.2019 Validity of LOI: Mining Lease Area: 1.01 Ha. Mining Quantity: 7769.6 TPA		
5	HadBast No.	305		
6	Land Khasra No. & their consent details			
	Sr. No.	Type	Khasra No	
	1	Govt Land		
	2	Private Land	[59//12/1(4-0), 13/1(8-0), 14/1(4-0), 14/2(4-0) ]	
7.	Latitude & Longitude			
	Sr.No.	Corner	Latitude	Longitude
	1	A	30°51'36.47"N	74°25'33.81"E
	2	B	30°51'36.29"N	74°25'41.21"E
	3	C	30°51'34.32"N	74°25'41.04"E

	4	D	30°51'34.40"N	74°25'33.69"E	
8	Whether the project attracts the General Condition.		No		
9.	Does the project involves diversion of forest land.If yes, a. Extent of the forest land. b. Status of the forest clearance. If No, submit documentary proof		No		
10	Does the project fall within 10 km of eco-sensitive area/ National park/Wild Life Sanctuary? If yes, Status of NOC. If No, If No, submit documentary proof		No		
11.	Land requirement for the project		Prior to the project proposal		
			Sr No.	Ownership pattern	Area in Ha
			i)	Forest Land	Nil
			ii)	Private land	1.01
			iii)	Government land	Nil
			iv)	Revenue land	Nil
			v)	Other land	Nil
			vi)	Total land	1.01
			Present Land use Break Up		
			Sr No.	Land use	Area in Ha
			i)	Agriculture Area	1.01
			ii)	Waste/Barren Area	Nil
			iii)	Settlement	Nil
			iv)	Surface water Bodies	Nil
			v)	Other( Specify)	Nil
12.	Cost of the project		Overall cost of the project is about Rs. 52,68,542/-. The capital investment in the project is estimated to be Rs 6,72,847/-.		
13.	Environmental Clearance. Fee details		Rs 2020/- Vide NEFT No 603729361 dated 12/05/20		
14.	Details of Final District Survey Report		Approved by :- District Commissioner .Ferozepur Reference No:728 Date of Issue: 8/06/2020		
15	Details of visit report of Sub Divisional Level Committee		Date of visit: - 07.09.17 Recommendation: Suitable for mining		

16	Details of Mining Plan	Approved by :- State Geologists Punjab Approval Letter No: Glg/Pb/M.P./2020/MAMDOT UTTAR-2/374 Date of Approval: 20.03.2020 Approved Mining Lease Area: 1.01 Ha Approved Mining Quantity: 7,769.60 Tonnes per annum. Depth of Mining (m):3.0 Metres.		
17	Demarcation report of mining site	Date of demarcation:04.11.19		
18.	Workers (when fully operational)	13 Persons.		
19.	Water Requirements & source	Domestic: 0.26 KLD ( @ 20 lpcd) Plantation: 0.15 KLD Dust Suppression: 7.36 KLD Total: 7.77 KLD Ground water/Others: Nil		
20.	Waste water generation, Treatment & its Disposal	i) Quantity of Waste water : Nil KLD (80% of water requirement) ii) Treatment Method: Septic Tank iii) Mode of Disposal : a) Plantation purpose.: 0.15 KLD b) Dust Suppression: 7.36 KLD		
21	Solid waste generation and its disposal	Solid waste will be disposed as per Solid Waste Management Rules, 2016.		
22.	Green Belt Development Plan including no. of trees to be planted & its species.	Tree cutting ( if any ) : Nil The comprehensive plantation plan will be submitted at the time EC.		
23.	Environment Management Plan along with Budgetary breakup and responsibility to implement	<b>Prime Vision Industries Pvt Ltd.</b> will be responsible for the implementation of EMP till the mining activities closed as per the mining plan.		
		Sr. No	Description	Capital Cost (Rs)
		1	Dust suppression through water sprinkling	1,00,000
		2	Pollution Monitoring	1,00,000

			i) Air pollution ii) Water pollution iii) Noise Pollution	--	
		3	Plantation and salary for one gardener (part time basis).	1,83,000	1,50,000
		4	Haul road Maintenance Cost	1,82,000	75,000
		TOTAL (Lakhs)		3,65,000	4,25,000
		A total of 333 trees will be planted by the PP during the mine lease period on the land provided by the Gram Panchayat. About 40% trees i.e 133 shall be planted in the first year and 30% plants i.e 100 trees in 2 <sup>nd</sup> and 3 <sup>rd</sup> year.			
24	CER activities along with budgetary break up and responsibility to implement Sh. Harkesh Singh of M/s. Prime Vision Industries Pvt Ltd will be responsible for implementation of Corporate Environmental Responsibility (CER). PP will install 1 Kwh Solar Power Plant at Government Primary School in Village Mamdot Uttar at a cost of Rs 40,000/-				

SEAC asked the project proponent and his Environmental Consultant to clarify the following observations to which he replied as under: -

Sr. No.	Observations	Reply submitted by the project proponent and his Environmental Consultant
1.	The project proponent is required to earmark two tubewells/ borewells/ wells as observation wells in the adjoining area within a radius of 500m of the project site. Also, monthly monitoring of the water level in the wells is required to be carried out and reported to District Mining Officer on monthly basis.	The project proponent agreed to the same.
2.	The project proponent is required to plant trees of natives species having plant height more than 3 ft along with tree guard.	The project proponent agreed to the same.
3.	The project proponent is required to submit an undertaking to the effect	The project proponent agreed to the same.

	that the mining shall be carried out as per the approved Mining Plan and comply with the terms and conditions of Department of Mines & Geology, Govt. of Punjab as issued from time to time.	
4.	As per the condition no. 21 mentioned in the standard Environmental Conditions for sand mining as given in the Sustainable Sand Mining Management Guidelines, 2016, mining should begin only after pucca pillar, marking the boundary of lease area, is erected at the cost of the lease holder after certification by the mining official and its geo coordinates are made available to the District Level Committee and a condition to the same shall be imposed in the Environmental Clearance issued to the project proponent.	The project proponent agreed to the same.
5.	The project proponent could not justify as to why the semi-mechanized mining is better for environment as compared to manual mining. The Committee decided that the project proponent shall carryout mining only by manual method.	The project proponent agreed to the same.

SEAC was satisfied from the presentation and reply given to the observation. SEAC took a copy of presentation along with reply on record.

## **2.0 Recommendation of SEAC**

After deliberations, SEAC decided to award silver grading to the project and forward the application of the project proponent to SEIAA with the recommendations to grant Environmental Clearance for mining of minor minerals (Sand) on Agricultural Land located in the revenue estate of village Mamdot Uttar, Tehsil & District Ferozepur, Punjab submitted by M/s Prime Vision Industries Pvt. Ltd. as per Annexure-I along with the following additional conditions:

1. The project proponent shall carry out mining only by the manual method.
2. The project proponent is required to earmark two tubewells/ borewells/ wells as observation wells in the adjoining area within a radius of 500m of the project site.

Also, monthly monitoring of the water level in the wells is required to be carried out and reported to District Mining Officer on monthly basis.

3. The project proponent shall begin mining only after pucca pillar marking, the boundary of lease area is erected at the cost of the lease holder after certification by the mining official and its geo coordinates are made available to the District Level Committee.
4. The proponent shall plant 333 number of plants of native species of not less than 3 ft in size at the identified location and protect the same with tree guards. The proponent shall make adequate provision of funds and ensure maintenance of the plants for a further period of three years.
5. The project proponent shall construct rain water harvesting pits along with desilting chambers in the Govt. Primary School of the village Mamdot Uttar, Tehsil & District Ferozepur. The project proponent shall follow the CGWA guidelines for constructing the rainwater recharging pits.
6. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility. The project proponent shall adhere to the commitments made in the proposal for CER activities for spending at least minimum amount of Rs. 40,000/- towards following activities:

<b>Sr. No.</b>	<b>Particulars</b>	<b>Amount (in Rs)</b>
1	PP will install 1 Kwh Solar Power Plant at Government Primary School in Village Mamdot Uttar	40,000/-
<b>Total</b>		<b>40,000/</b>

### **3.0 Deliberations during the 174<sup>th</sup> meeting of SEIAA held on 31.10.2020**

The case was considered by SEIAA in its 174<sup>th</sup> meeting held on 31.10.2020 and was attended by the following on behalf of the project proponent:

- i) Sh. Harkesh Singh, Authorised signatory, on behalf of the project proponent.
- ii) Sh. Subhash Kumar, EIA Coordinator and Sh. Manas Vyas, FAE, M/s P & M Solutions, Noida, Environment Consultant of the promoter company.

Environmental consultant of the promoter company presented the salient features of the project before SEIAA. A copy of the presentation was also submitted which was taken on record.

To a query SEIAA regarding the NOC from the Forest Department, Environmental Consultant informed that Forest Department has issued NOC to the project vide letter No. 7676 dated 28.09.2020.

To another query of SEIAA regarding cluster formation, Environmental Consultant informed that the Mining Department has issued Certificate vide No. 463-65 dated 16.03.2020 to the effect that no other mine lease is existing within 500 m periphery from the area of present mining site.

SEIAA observed that the present site falls in the revenue estate of Village Mamdot Uttar and an another case of Village Mamdot Uttar-1 is placed at item No. 174.27. To a query of SEIAA regarding distance between the mining site of Mamdot Uttar and Mamdot Uttar-1, Environmental Consultant presented the KML file on google map and shows that the distance between mining site is more than 1 km. As such the mining site is not in the cluster formation.

During discussions, the representative of the promoter company agreed to comply with fully all the conditions as mentioned by SEAC.

The SEIAA observed that the case stands recommended by SEAC and the Committee has awarded ‘Silver Grading’ to the project proposal. The SEIAA looked into the details of the case and was satisfied with the same.

Therefore, the Authority decided to accept the recommendations of SEAC and grant Environmental Clearance for mining of minor minerals (Sand) @ 7769.6 TPA upto a depth of 3 m (below ground level) on Agricultural Land in an area of 1.01 ha located in the revenue estate of village Mamdot Uttar, Tehsil & District Ferozepur, Punjab to M/s Prime Vision Industries Pvt. Ltd., as per approved mining Plan with the manual method of mining only & subsequent presentation /clarifications made by the project proponent and his consultant, with proposed measures and conditions as recommended by SEAC.

**Item No. 174.15: Application for obtaining environmental clearance under EIA notification dated 14.09.2006 for mining of minor minerals on Agricultural Land in the village Chak Gariban Sandar, Tehsil Jalalabad District Fazilka, Punjab submitted by M/s Prime Vision Industries Private Limited. (Proposal No. SIA/PB/MIN/ 149277/ 2020)**

**M/s Prime Vision Industries Private Limited** has applied for obtaining environmental clearance under EIA notification dated 14.09.2006 for mining of minor minerals (Sand) from Agricultural land in the revenue estate of **village Chak Gariban Sandar, Tehsil Jalalabad District Fazilka** on 09.03.2020. The project is covered under category 1 (a) of the Schedule appended to the said notification.

The project proponent submitted all the requisite documents as per the check list of mining case along with application form. The project proponent submitted a hard copy of the same, which was taken on record.

**(A) General**

i)	Name of Applicant & Correspondence address:  Mobile No: Email ID:	M/s Prime Vision Industries Pvt Ltd <b>312, Vishal Chamber P-1, Sector-18, Noida, Uttar Pradesh.</b> 9646210786
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		Primevision.pb.ec@gmail.com
ii)	Name of Environmental Consultant Mobile No. Email ID	P and M solution 9910037943 Manasvyas23@gmail.com

### 1.0 Deliberations during the 195<sup>th</sup> meeting of SEAC held on 24.10.2020.

The project proponent submitted all the requisite documents as per the check list of mining case along with Form-02. The project proponent submitted a hard copy of the of the same , which was taken on record.

The case was considered by SEAC in its 195<sup>th</sup> meeting held on 24.10.2020. The meeting was attended by the following through Video Conference on behalf of the project proponent:

- (i) Sh. Harkesh Singh, Authorised signatory, on behalf of the project proponent.
- (ii) Sh. Subhash Kumar, EIA Coordinator and Sh. Manas Vyas, FAE, M/s P & M Solutions, Noida, Environment Consultant of the promoter company.

SEAC allowed the project proponent to present the salient features of the project and the Environment Consultant of the promoter company presented the same as under:

S.No.	Item	Details	
1.	Online Proposal No.	SIA/PB/MIN/149277/2020	
2.	Project Name & Location	Chak Gariban Sandar Sand Mining Project at Hadbast No-363 Village– Chak Gariban Sandar, Tehsil- Jalalabad, District-Fazilka, Punjab.	
3	Project/activity covered under item of scheduled to the EIA Notification,14.09.2006	1(a) mining of mineral	
4	Details of Mining Lease		
i)	Mineral (s) to be mined	Sand	
ii)	Capacity of Mine	39573.4 TPA	
iii)	Mining Lease Area	Total area is 4.66 Ha	
iv)	Details Letter of Intent (LOI)/E-Auction issued by the State Govt.	Reference No: 1709-10 Date of Issue: 09/07/2019 Validity of LOI: NA Mining Lease Area: 4.66 Ha. Mining Quantity: 39573.4 TPA	
5	HadBast No.	363	
6	Land Khasra No. & their consent details		
	Sr.No	Type	Khasra No

	1	Govt Land	
	2	Private Land	[25//1 (8-0), 2 (8-0), 3 (8-0), 5 (7-4), 4 (8-0), 6 (7-4), 7 (8-0), 8 (8-0), 9 (8-0), 12(8-0), 13/1(5-12), 14(8-0)
7.	Latitude & Longitude		
	<b>Pillar</b>	<b>Latitude</b>	<b>Longitude</b>
	A	30°34'58.3"N	74°09'09.6"E
	B	30°34'58.5"N	74°08'57.3"E
	C	30°34'56.6"N	74°08'57.2"E
	D	30°34'56.6"N	74°08'59.7"E
	E	30°34'52.6"N	74°08'59.6"E
	F	30°34'52.5"N	74°09'04.2"E
	G	30°34'54.3"N	74°09'04.3"E
	H	30°34'54.28"N	74° 9'5.15"E
	I	30°34'52.46"N	74° 9'5.17"E
	J	30°34'52.5"N	74°09'07.1"E
	K	30°34'54.3"N	74°09'07.3"E
	L	30°34'54.4"N	74°09'09.6"E
8	Whether the project attracts the General Condition.		No
9.	Does the project involves diversion of forest land.If yes, a. Extent of the forest land. b. Status of the forest clearance. If No, submit documentary proof		No, Forest NOC issued by DFO shri Mukatsar sahib, vide letter no 10008 dated 11.03.2020
10	Does the project fall within 10 km of eco-sensitive area/ National park/Wild Life Sanctuary? If yes, Status of NOC. If No, If No, submit documentary proof		No, Nearest Harike WLS is located approximately 99.31 Km from the site.
11.	Land requirement for the project		Prior to the project proposal
	Sr No.	Ownership pattern	Area in Ha
	i)	Forest Land	Nil
	ii)	Private land	4.66
	iii)	Government land	Nil
	iv)	Revenue land	Nil
	v)	Other land	Nil
	vi)	Total land	4.66
	Present Land use Break Up		

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		Sr No.	Land use	Area in Ha
		i)	Agriculture Area	4.66
		ii)	Waste/Barren Area	0
		iii)	Settlement	0
		iv)	Surface water Bodies	0
		v)	Other (Specify)	0
12.	Cost of the project	Rs. 34, 29,827. Lacs		
13.	Environmental Clearance. Fee details	Fees Rs 9,320/- Submitted vide DD no 033113		
14.	Details of Final District Survey Report	Approved by: - DC,Fazilka No khasra Nos are mentioned in the DSR		
15	Details of visit report of Sub Divisional Level Committee	Not Submitted		
16	Details of Mining Plan	Approved by :-State Geologist Approval Letter No: Glg/Pb/M.P./2019/46 Date of Approval: 31.01.2020 Approved Mining Lease Area:4.66 ha Approved Mining Quantity: 39573.4 TPA Depth of Mining (m):3.0m		
17	Demarcation report of mining site	Submitted		
18.	Workers (when fully operational)	20 Persons.		
19.	Water Requirements & source	Domestic: 0.70 KLD Dust Suppression:6.10 KLD Plantation: 0.15 KLD Total:6.95 KLD		
20.	Waste water generation, Treatment & its Disposal	i) Quantity of Waste water: (80% of water requirement) ii) Treatment Method: Septic Tank Mode of Disposal: Plantation purpose.		
21	Solid waste generation and its disposal	Solid waste will be disposed as per Solid Waste Management Rules, 2016.		
22.	Green Belt Development Plan including no. of trees to be planted & its species.	Tree cutting (if any): Nil No of plant to be planted: 1536/Yr Funds Allocated: Rs 15,37,800/-		

23.	Environment Management Plan along with Budgetary breakup and responsibility to implement	<b>Prime Vision Industries Pvt Ltd.</b> will be responsible for the implementation of EMP till the mining activities closed as per the mining plan.		
	Sr. No	Description	Capital Cost (Rs)	Recurring Cost (Rs)
	1	Dust suppression through water sprinkling	Nil	1,00,000
	2	Pollution Monitoring i) Air pollution ii) Water pollution iii) Noise Pollution	--	1,00,000
	3	Plantation and salary for one gardener (part time basis).	6,66,000	5,11,000
	4	Haul road Maintenance Cost	37,500	25,000
	TOTAL (Lakhs)		7,03,500	7,36,000
A total of 1538 trees will be planted by the PP during the mine lease period on the land provided by the Gram Panchayat. About 40% trees i.e 616 shall be planted in the first year and 30% plants i.e 461 trees in 2 <sup>nd</sup> and 3 <sup>rd</sup> year.				
24	CER activities along with budgetary break up and responsibility to implement Sh. Harkesh Singh of M/s. Prime Vision Industries Pvt Ltd will be responsible for implementation of Corporate Environmental Responsibility (CER). PP will Install 1 KWH solar Power Plant at Primary School Village Chak Gariban Sandar at a Cost of Rs 40,000/-			

SEAC asked the project proponent and his Environmental Consultant to clarify the following observations to which he replied as under: -

Sr. No.	Observations	Reply submitted by the project proponent and his Environmental Consultant
1.	The project proponent is required to earmark two tubewells/ borewells/ wells as observation wells in the adjoining area within a radius of 500m of the project site. Also, monthly monitoring of the water level in the wells is required to be carried out and reported to District Mining Officer on monthly basis.	The project proponent agreed to the same.
2.	The project proponent is required to plant trees of natives species having plant height more than 3 ft along with tree guard.	The project proponent agreed to the same.

3.	The project proponent is required to submit an undertaking to the effect that the mining shall be carried out as per the approved Mining Plan and comply with the terms and conditions of Department of Mines & Geology, Govt. of Punjab as issued from time to time.	The project proponent agreed to the same.
4.	As per the condition no. 21 mentioned in the standard Environmental Conditions for sand mining as given in the Sustainable Sand Mining Management Guidelines, 2016, mining should begin only after pucca pillar, marking the boundary of lease area, is erected at the cost of the lease holder after certification by the mining official and its geo coordinates are made available to the District Level Committee and a condition to the same shall be imposed in the Environmental Clearance issued to the project proponent.	The project proponent agreed to the same.
5.	The project proponent could not justify as to why the semi-mechanized mining is better for environment as compared to manual mining. The Committee decided that the project proponent shall carryout mining only by manual method.	The project proponent agreed to the same.
6.	No khasra nos are mentioned in the approved DSR submitted by the project proponent.	The project proponent submitted a letter from District Mining Officer, Fazilka bearing no. 2621 dated 21.10.2020. vide this letter District Mining Officer, Fazilka has submitted the list of Khasra nos as allotted vide E auction dated 05.07.2019.

SEAC was satisfied from the presentation and reply given to the observation. SEAC took a copy of presentation along with reply on record.

## **2.0 Recommendation of SEAC**

After deliberations, SEAC decided to award silver grading to the project and forward the application of the project proponent to SEIAA with the recommendations to grant

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Environmental Clearance for mining of minor minerals (Sand) on Agricultural Land located in the revenue estate of village Chak Gariban Sander, Tehsil Jalalabad & District Fazilka, Punjab submitted by M/s Prime Vision Industries Pvt. Ltd. as per Annexure-I along with the following additional conditions:

1. The project proponent shall carry out mining only by the manual method.
2. The project proponent is required to earmark two tubewells/ borewells/ wells as observation wells in the adjoining area within a radius of 500m of the project site. Also, monthly monitoring of the water level in the wells is required to be carried out and reported to District Mining Officer on monthly basis.
3. The project proponent shall begin mining only after pucca pillar marking, the boundary of lease area is erected at the cost of the lease holder after certification by the mining official and its geo coordinates are made available to the District Level Committee.
4. The proponent shall plant 1538 number of plants of native species of not less than 3 ft in size at the identified location and protect the same with tree guards. The proponent shall make adequate provision of funds and ensure maintenance of the plants for a further period of three years.
5. The project proponent shall construct rain water harvesting pits along with desilting chambers at the identified location of the village Chak Gariban Sander, Tehsil Jalalabad & District Fazilka, Punjab. The project proponent shall follow the CGWA guidelines for constructing the rainwater recharging pits.
6. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility. The project proponent shall adhere to the commitments made in the proposal for CER activities for spending at least minimum amount of Rs. 40,000/- towards following activities:

<b>Sr. No.</b>	<b>Particulars</b>	<b>Amount (in Rs)</b>
1	PP will install 1 Kwh Solar Power Plant at Government Primary School in village Chak Gariban Sander, Tehsil Jalalabad & District Fazilka, Punjab	40,000/-
<b>Total</b>		<b>40,000/</b>

### **3.0 Deliberations during the 174<sup>th</sup> meeting of SEIAA held on 31.10.2020**

The case was considered by SEIAA in its 174<sup>th</sup> meeting held on 31.10.2020 and was attended by the following on behalf of the project proponent:

- i) Sh. Harkesh Singh, Authorised signatory, on behalf of the project proponent.

- ii) Sh. Subhash Kumar, EIA Coordinator and Sh. Manas Vyas, FAE, M/s P & M Solutions, Noida, Environment Consultant of the promoter company.

Environmental consultant of the promoter company presented the salient features of the project before SEIAA. A copy of the presentation was also submitted which was taken on record.

To a query SEIAA regarding the NOC from the Forest Department, Environmental Consultant informed that Forest Department has issued NOC to the project vide letter No. 10008 dated 11.03.2020.

To another query of SEIAA regarding cluster formation, Environmental Consultant informed that the Mining Department has issued Certificate vide No. 1296 dated 05.03.2020 to the effect that no other mine lease is existing within 500 m periphery from the area of present mining site.

During discussions, the representative of the promoter company agreed to comply with fully all the conditions as mentioned by SEAC.

The SEIAA observed that the case stands recommended by SEAC and the Committee has awarded 'Silver Grading' to the project proposal. The SEIAA looked into the details of the case and was satisfied with the same.

Therefore, the Authority decided to accept the recommendations of SEAC and grant Environmental Clearance for mining of minor minerals (Sand) @ 39573.4 TPA upto a depth of 3 m (below ground level) on Agricultural Land in an area of 4.66 ha located in the revenue estate of village Chak Gariban Sander, Tehsil Jalalabad & District Fazilka, Punjab to M/s Prime Vision Industries Pvt. Ltd., as per approved mining Plan with the manual method of mining only & subsequent presentation /clarifications made by the project proponent and his consultant, with proposed measures and conditions as recommended by SEAC.

**Item No:174.16: Application for obtaining environmental clearance under EIA notification dated 14.09.2006 for mining of minor minerals on Agricultural Land in the village Sanana, Tehsil and District Rupnagar, Punjab submitted by Sh. Balwant Singh. (Proposal No. SIA/PB/MIN/136681/ 2020)**

**Sh, Balwant Singh** has applied for obtaining environmental clearance under EIA notification dated 14.09.2006 for mining of minor minerals (**Ordinary Earth**) from Agricultural land in the revenue estate of **village Sanana, Tehsil and District Rupnagar** on 13.01.2020. The project is covered under category 1 (a) of the Schedule appended to the said notification.

Further, on the basis of scrutiny of application, EDS were raised on 25.03.2020, 16.06.2020 by SEIAA to which project proponent replied on 13.06.2020 & 16.07.2020 respectively. The project proponent submitted all the requisite documents as per the

check list of mining case along with application form. The project proponent submitted a hard copy of the same, which was taken on record.

### (A) General

i)	Name of Applicant & Correspondence address:  Mobile No: Email ID:	Sh. Balwant Singh <b>Village Majri Jattan, Tehsil &amp; District Rupnagar, Punjab</b> 9814124328
ii)	Name of Environmental Consultant Mobile No. Email ID	P and M solution 9910037943 <a href="mailto:Manasvyas23@gmail.com">Manasvyas23@gmail.com</a>

### 1.0 Deliberations during the 195<sup>th</sup> meeting of SEAC held on 24.10.2020.

The project proponent submitted all the requisite documents as per the check list of mining case along with Form-02.

The case was considered by SEAC in its 195<sup>th</sup> meeting held on 24.10.2020. The meeting was attended by the following through Video Conference on behalf of the project proponent:

- (i) Sh. Balwant Singh, the project proponent.
- (ii) Sh. Subhash Kumar, EIA Coordinator and Sh. Manas Vyas, FAE, M/s P & M Solutions, Noida, Environment Consultant of the promoter company.

SEAC allowed the project proponent to present the salient features of the project and the Environment consultant of the promoter company presented the same as under:

Sr. No.	Item	Details
1.	Online Proposal No.	SIA/PB/MIN/136681/2020
2.	Project Name & Location	Ordinary Earth Mining Project at Hadbast No-348, Village-Sanana, Tehsil and District-Rupnagar, Punjab
3	Project/activity covered under item of scheduled to the EIA Notification, 14.09.2006	1(a) mining of mineral
4	Details of Mining Lease	
i)	Mineral (s) to be mined	Ordinary Earth
ii)	Capacity of Mine	31451.90 TPA
iii)	Mining Lease Area	Total area is 1.606 Ha



iv)	Details Letter of Intent (LOI)/E-Auction issued by the State Govt.		Private Land (Agreement) Mining Lease Area: 1.606 Ha Mining Quantity: 31451.90 TPA	
5	HadBast No.		348	
6	Land Khasra No. & their consent details			
	Sr No	Type	Khasra No	Consent details
	1	Private Land	24//8/1(3-19), 24//8/2(3-16), 24//9(8-0), 24//12(8-0), 24//13/1(4-0), 24//13/2(4-0),	Yes
7.	Latitude & Longitude			
	Sr.No.	Corner	Latitude	Longitude
	1	A.	30°58'04.3"N	76°34'22.1"E
	2	B.	30°58'03.6"N	76°34'27.2"E
	3	C.	30°57'59.8"N	76°34'27.2"E
	4	D.	30°58'00.2"N	76°34'22.5"E
8	Whether the project attracts the General Condition.		No	
9.	Does the project involves diversion of forest land.If yes, a. Extent of the forest land. b. Status of the forest clearance. If No, submit documentary proof		No,	
10	Does the project fall within 10 km of eco-sensitive area/ National park/Wild Life Sanctuary? If yes, Status of NOC. If No, If No, submit documentary proof		No,	
11.	Land requirement for the project		Prior to the project proposal	
	Sr No.	Ownership pattern	Area in Ha	
	i)	Forest Land	Nil	
	ii)	Private land	1.606	
	iii)	Government land	Nil	
	iv)	Revenue land	Nil	
	v)	Other land	Nil	
	vi)	Total land	1.606	
	Present Land use Break Up			

		Sr No.	Land use	Area in Ha
		i)	Agriculture Area	1.606
		ii)	Waste/Barren Area	0
		iii)	Settlement	0
		iv)	Surface water Bodies	0
		v)	Other( Specify)	0
12.	Cost of the project	Rs. 2000000/-.		
13.	Environmental Clearance. Fee details	Rs Fees Rs 3,212/- Submitted via Demand Draft No. 245209 date 12.05.2020		
14.	Details of Final District Survey Report	Ordinary Earth Case		
15.	Details of visit report of Sub Divisional Level Committee	Not Applicable (Ordinary Earth Project)		
16.	Details of Mining Plan	Approved by :-State Geologist Approval Letter No:Glg/Pb/M.P./Sanana/1047 Date of Approval: 23/10/2019 Approved Mining Lease Area: 1.606 Ha Approved Mining Quantity: 31451.90 TPA Depth of Mining (m):1.52m		
17.	Demarcation report of mining site	Date of demarcation: 19.04.2018		
18.	Workers (when fully operational)	22 Persons.		
19.	Water Requirements & source	Domestic: 0.20 KLD Dust Suppression:3.6 KLD Plantation:0.8 KLD Total:4.0 KLD Ground water/Others: Not Required		
20.	Waste water generation, Treatment & its Disposal	i) Quantity of Waste water :- 80% of water requirement ii) Treatment Method: Septic Tank iii) Mode of Disposal: on to land for plantation.		
21.	Solid waste generation and its disposal	Solid waste will be disposed as per Solid Waste Management Rules, 2016.		
22.	Green Belt Development Plan including no. of trees to be planted & its species.	Tree cutting ( if any ) : Nil No of plant to be planted: 16/Yr Funds Allocated: : Rs 1,00,000		

23.	Environment Management Plan along with Budgetary breakup and responsibility to implement	<b>Sh.Balwant Singh</b> will be responsible for the implementation of EMP till the mining activities closed as per the mining plan.	
	<b>Sr. No.</b>	<b>Particulars</b>	<b>Capital Cost (In Rs.)</b>
	1.	Dust Suppression through water sprinkling	3,00,000
	2	Environmental Monitoring i) Ambient Monitoring ii) Water quality iii) Noise Level	30,000
	3	Plantation and salary for one gardener (part time basis)	2,00,000
		<b>Total</b>	<b>2,60,000</b>
24	CER activities along with budgetary break up and responsibility to implement Sh. Balwant Singh will be responsible for implementation of Corporate Environmental Responsibility (CER). As the project cost is Rs 20,00,000/- and Rs 40,000/- have been reserved for CER activities as per Office Memorandum of CER dated 01.05.2018 and will be spent on the followings: -		
	<b>Sr. No.</b>	<b>Particulars</b>	<b>Amount (in Rs)</b>
	1	PP will install 1 Kwh Solar Power Plant either at Gram Panchayat office or at any location as may be suggested by the villagers.	Rs 40,000/-
		Total	Rs 40,000/-

SEAC asked the project proponent and his Environmental Consultant to clarify the following observations to which he replied as under: -

<b>Sr. No.</b>	<b>Observations</b>	<b>Reply submitted by the project proponent and his Environmental Consultant</b>
1.	Whether Final District Survey Report (DSR) has been approved?	The Project proponent submitted that the Ordinary Earth is not a part of sand mining and thus DSR is not required for these projects. The same was endorsed by the officials of mining department.

SEAC was satisfied with the presentation and reply given to the observation. SEAC took a copy of the presentation along with a reply on record.

## 2.0 Recommendation of SEAC

After deliberations, SEAC decided to award silver grading to the project and forward the application of the project proponent to SEIAA with the recommendations to grant Environmental Clearance for mining of Ordinary Earth by manual method of mining on Agricultural Land located in the revenue estate of village Sanana, Tehsil & District Rupnagar, Punjab submitted by Sh. Balwant Singh subject to strict compliance of terms and conditions as follows:

**Specific conditions:**

- i) The environmental clearance will be valid for a period for which agreement is valid or completion of excavation of brick earth upto 1.52 m depth, whichever is reached earlier, as per the provisions of the EIA Notification, 2006 as amended subsequently, for mining of minor minerals in the aforesaid location and khasra numbers.
- ii) The project proponent shall ensure that the mining shall be carried out as per the EMP prepared and as per the Mines & Mineral (Development & Regulation) Act, 1957 / other Acts/rules related with mining of minor minerals. It shall be ensured that no mining shall be carried out during the monsoon season.
- iii) Effective safeguard measures shall be taken by project proponent to ensure that the ambient air quality levels at various locations are within permissible limit as prescribed by MoEF/PPCB.
- iv) The project proponent shall ensure that wherever deployment of labour attracts the Mines Act, the provision thereof shall be strictly followed.
- v) The project proponent shall undertake plantation/afforestation work by planting the native species in the nearby area adjacent to mine lease.
- vi) The project proponent shall ensure that effective safeguard measures, such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of particulate matter such as loading and unloading point and all transfer points. Extensive water sprinkling shall be carried out on the approach roads. It should be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board/MoEF in this regard.
- vii) The project proponent shall obtain necessary prior permission of the competent authorities for withdrawal of requisite quantity of water (surface water and groundwater), if any, required for the project.
- viii) Vehicular emissions shall be kept under control and regularly monitored. The mineral transportation shall be carried out through covered trucks/trolleys only and the vehicles carrying the mineral shall not be overloaded.
- ix) No drilling and blasting operation shall be carried out.
- x) Periodical medical examination of the workers engaged in the project shall be carried out and records maintained. For the purpose, schedule of health examination of the workers should be drawn and followed accordingly.
- xi) Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may

- be in the form of temporary structures to be removed after the completion of the project.
- xii) The critical parameters such as RSPM (Particulate matter with size less than 10micron i.e., PM10) and NOX in the ambient air within the impact zone shall be monitored periodically. Further, quality of discharged water shall also be monitored [(TDS, DO, PH, Faecal Coliform and Total Suspended Solids (TSS)]. The monitored data shall be uploaded on the website of the company as well as displayed on a display board at the project site at a suitable location near the main gate of the Company and website of mining department i.e. [www.pbindustries.gov.in](http://www.pbindustries.gov.in) in public domain. The Circular No. J-20012/1/2006-IA.II(M) dated 27.05.2009 issued by Ministry of Environment and Forests, which is available on the website of the Ministry [www.envfor.nic.in](http://www.envfor.nic.in) shall also be referred in this regard for its compliance.
  - xiii) The project proponent shall submit within 3 months their policy towards Corporate Environment Responsibility which should inter-alia address (i) Standard operating process/ procedure to bring into focus any infringement/deviation/violation of environmental or forest norms/ conditions, (ii) Hierarchical system or Administrative order of the company to deal with environmental issues and ensuring compliance of EC conditions and (iii) System of reporting of non compliance/violation of environmental norms to the Board of Directors of the company and/or stakeholders or shareholders.
  - xiv) Vehicles hired to be used for transportation of mined material should be in good condition and should conform to applicable air and noise emission standards.
  - xv) Ambient noise levels should conform to prescribed standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored.
  - xvi) The Risk assessment and disaster management plan should be prepared.
  - xvii) The project proponent shall ensure that the compensation to the private land owner (s) for the mined area shall be made as per the prevalent policy of the State Govt.
  - xviii) The project proponent shall obtain permission from the National Board of Wild Life, if required as per guidelines laid down in Office Memorandum No. 6-10/2011/WL dated 19.12.2012 of Govt. of India and in case the said memorandum is applicable in the case, the promoter company shall not carry out any mining activity at site till the said permission is obtained and the copy of the same be submitted to the SEIAA, Punjab. The grant of environmental clearance does not necessarily imply that wildlife clearance shall be granted to the project and the proposal for grant of wildlife clearance will be considered by the respective authorities on merits.
  - xix) The project proponent will submit the Mining Plan of excavation of ordinary earth to the Department of Mining.
  - xx) No mining operation shall be carried out at any point within 75 m of railway line, 60 m from national highway, 50 m from HT line/any public works/reservoirs, tanks/canal/public roads and buildings or inhabited or 10 m of outer edge of any

village road. A safety barrier of 7.5m width shall be left intact around the mine lease boundary.

### **Validity**

- i) This environmental clearance will be valid for a period of seven years from the date of its issue or till the completion of the project or upto which lease deed of the mining site made, whichever is earlier.

### **General conditions:**

- i) No change in mining technology and scope of work should be made without prior approval of the Ministry of Environment & Forests, Ministry of Environment and Forests, Chandigarh, the respective Zonal Office of Central Pollution Control Board and the State Pollution Control Board.
- ii) Fugitive dust emissions from all the sources should be controlled regularly. Water spraying arrangement on haul roads, loading and unloading and at transfer points should be provided and properly maintained.
- iii) Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects. Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.
- iv) The contractor shall be responsible for the implementation of the EMP. The funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the Ministry of Environment and Forests and its Regional Office located at Chandigarh and SEIAA, Punjab.
- v) The Mining Department/ the Regional Office of Ministry of Environment & Forests located at Chandigarh and Punjab Pollution Control Board shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information / monitoring reports.
- vi) A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parisad/ Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.
- vii) The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the Regional Office of the Ministry of Environment and Forests, Chandigarh by e-mail.
- viii) The project proponent shall adhere to the commitments made in the Environment Management Plan.
- ix) The project proponent should advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the

project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and also at web site of the Ministry of Environment and Forests at <http://envfor.nic.in> and a copy of the same should be forwarded to the Regional Office of this Ministry located at Chandigarh.

- x) The MoEF/SEIAA or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.
- xi) The SEIAA may cancel the environmental clearance granted to this project under the provisions of EIA Notification, 2006, if, at any stage of the validity of this environmental clearance, it is found/ come to the knowledge of this Ministry that the project proponent has deliberately concealed and/or submitted false or misleading information or inadequate data for obtaining the environmental clearance.
- xii) The project proponent shall ensure that the contractor shall engage people of local area for mining purpose as far as possible, so as to have opportunities of employment for them.
- xiii) The depth of the mining shall not exceed 0.91 m below ground level and shall terminate at least 2 m above the ground water table at site, whichever situation is reached first.
- xiv) The project proponent shall ensure that the excavation of brick earth does not alter the natural drainage pattern of the area and a distance of atleast 100m shall be maintained from any nearest choe and a distance of atleast 30 m shall be maintained from any nearest water body.
- xv) The project proponent shall ensure that excavated pit is restored for useful purposes.
- xvi) The project proponent shall make appropriate fencing all around the excavated pit to prevent any mishap.
- xvii) The project proponent shall ensure that a berm is left from the boundary of adjoining field having a width atleast equal to the depth of the proposed excavation.
- xviii) The project proponent shall ensure that no civil structure is allowed to come up/exists within a distance of 15 m from the periphery of excavation area.
- xix) The project proponent shall properly demarcate the mining lease area.
- xx) The project proponent will ensure that mining activity will be started only after obtaining environmental clearance & meeting other statutory condition / requirement. In case, it comes into the notice of Ministry of Environment and Forests, / SEIAA that mining has been carried out prior to obtaining environmental clearance, environmental clearance granted to the project proponent is liable to be revoked and legal proceedings would be initiated against the project proponent under the provisions of Environment (Protection) Act, 1986.
- xxi) Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

### **3.0 Deliberations during the 174<sup>th</sup> meeting of SEIAA held on 31.10.2020**

The case was considered by SEIAA in its 174<sup>th</sup> meeting held on 31.10.2020 and was attended by the following on behalf of the project proponent:

- i) Sh. Balwant Singh, project proponent.
- ii) Sh. Subhash Kumar, EIA Coordinator and Sh. Manas Vyas, FAE, M/s P & M Solutions, Noida, Environment Consultant of the promoter company.

Before allowing the presentation to a query of SEIAA regarding the NOC from the Forest Department, Environmental consultant submitted a copy of letter Endst no. 11430 dated 08.02.2019 issued by the DFO, Roop Nagar addressed to the Forest Range Officer, Roop Nagar with copy to Sh. Parwinder Singh S/o Sh. Gurdev Singh, r/o Village Majari Jattan, Tehsil & District Roop Nagar. SEIAA observed that the letter in question is not NOC issued by the Forest Department to the project proponent.

To this, Environmental Consultant requested to give some time for submission of the proper NOC of Forest Department.

SEIAA accepted the request of the Environmental Consultant and decided to defer the case and asked the project proponent to submit the proper NOC from the Forest Department (PCCF) as the case pertains to the mining in the delisted area of the village notified under PLPA,1900 and the mining of earth seems to be for commercial purpose. The case will be placed as and when the project proponent submits NOC from the Forest Department (PCCF).

#### **Item No.174.17: Application for obtaining environmental clearance under EIA notification dated 14.09.2006 for mining of minor minerals On Agricultural Land in the village Behak Gujran, Tehsil Zira District- Ferozepur, Punjab submitted by Prime Vision Industries Private Limited. (Proposal No. SIA/PB/MIN/178189/2020)**

SEAC observed as under:

M/s Prime Vision Industries Pvt Ltd has applied for obtaining environmental clearance under EIA notification dated 14.09.2006 for mining of minor minerals (Sand) **On Agricultural Land in the village Behak Gujran, Tehsil Zira District- Ferozepur, Punjab** on 09.10.2020. The project is covered under category 1 (a) of the Schedule appended to the said notification.

Further, on the basis of scrutiny of application, EDS were raised on 16.04.2020 by SEIAA to which project proponent replied on 16.06.2020, respectively. The project proponent submitted all the requisite documents as per the check list of mining case along with Form-02. The project proponent submitted a hard copy of the same, which was taken on record.



**(A) General**

i)	Name of Applicant & Correspondence address: Mobile No: Email ID:	M/s Prime Vision Industries Pvt Ltd <b>312, Vishal Chamber P-1, Sector-18, Noida, Uttar Pradesh.</b> 9646210786 Primevision.pb.ec@gmail.com
ii)	Name of Environmental Consultant Mobile No. Email ID	P and M solution 9910037943 <a href="mailto:Manasvyas23@gmail.com">Manasvyas23@gmail.com</a>

**1.0 Deliberations during the 195<sup>th</sup> meeting of SEAC held on 24.10.2020.**

The project proponent submitted all the requisite documents as per the check list of mining case along with Form-02. The project proponent submitted a hard copy of the same, which was taken on record.

The case was considered by SEAC in its 195<sup>th</sup> meeting held on 24.10.2020. The meeting was attended by the following through Video Conference on behalf of the project proponent:

- (i) Sh. Harkesh Singh, Authorised signatory, on behalf of the project proponent.
- (ii) Sh. Subhash Kumar, EIA Coordinator and Sh. Manas Vyas, FAE, M/s P & M Solutions, Noida, Environment Consultant of the promoter company.

SEAC allowed the project proponent to present the salient features of the project and the Environment Consultant of the promoter company presented the same as under:

S.No.	Item	Details
1.	Online Proposal No.	SIA/PB/MIN/178189/2020
2.	Project Name & Location	<b>BEHAK GUJJRAN SAND MINING PROJECT AT HADBAST NO-144, VILLAGE-BEHAK GUJJRAN, TEHSIL- ZIRA, DISTRICT-FIROZPUR, PUNJAB</b>
3	Project/activity covered under item of scheduled to the EIA Notification, 14.09.2006.	SI. No. 1(a)
4	Details of Mining Lease	
i)	Mineral (s) to be mined	Sand
ii)	Capacity of Mine	The Proposed production Capacity 34676.29TPA.

iii)	Mining Lease Area	Total area is 4.39 Ha		
iv)	Details Letter of Intent (LOI)/E-Auction issued by the State Govt.	Reference No:1709-10 Date of Issue:09.07.2019 Validity of LOI: Three years		
5	HadBast No.	144		
6	Land Khasra No. & their consent details			
	Sr No	Type	Khasra No	
	1	Govt Land		
	2	Private Land	[81//18 (8-0), 25/2(6-0), 12/2(3-0), 25/1/2(1-9), 24/2(2-0)], [[69//19(8-0), 20(8-0),21(8-0),22(8-0), 14(5-0), 18 (8-0), 13/2(7-2), 15/1(2-0),17/2(3-4)[71//23/2(2-4),24(6-16)	
7.	Latitude & Longitude			
	S.No.	Corner	Latitude	Longitude
	1	A	31° 2'11.80"N	74° 57'47.63"E
	2	B	31° 2'13.74"N	74° 57'47.58"E
	3	C	31° 2'13.77"N	74° 57'50.65"E
	4	D	31° 2'11.82"N	74° 57'50.59"E
	5	E	31° 2'11.90"N	74° 57'52.76"E
	6	F	31° 2'15.77"N	74° 57'52.86"E
	7	G	31° 2'15.74"N	74° 57'57.96"E
	8	H	31° 2'17.43"N	74° 57'58.01"E
	9	I	31° 2'17.42"N	74° 58'0.31"E
	10	J	31° 2'17.63"N	74° 58'0.31"E
	11	K	31° 2'17.68"N	74° 58'4.14"E
	12	L	31° 2'17.11"N	74° 58'4.12"E
	13	M	31° 2'17.05"N	74° 58'1.77"E
	14	N	31° 2'15.67"N	74° 58'1.75"E
	15	O	31° 2'15.65"N	74° 58'1.14"E
	16	P	31° 2'13.78"N	74° 58'1.12"E

	17	Q	31° 2'13.75"N	74° 57'57.91"E
	18	R	31° 2'11.87"N	74° 57'57.85"E
	19	S	31° 2'5.85"N	74° 57'46.70"E
	20	T	31° 2'7.80"N	74° 57'46.70"E
	21	U	31° 2'7.78"N	74° 57'47.70"E
	22	V	31° 2'5.85"N	74° 57'47.71"E
	23	W	31° 2'3.85"N	74° 57'47.75"E
	24	X	31° 2'3.90"N	74° 57'47.83"E
	25	Y	31° 2'5.90"N	74° 57'50.55"E
	26	Z	31° 2'3.89"N	74° 57'51.75"E
	27	1	31° 2'3.91"N	74° 57'50.22"E
	28	2	31° 2'1.89"N	74° 57'50.26"E
	29	3	31° 2'1.91"N	74° 57'51.85"E
8	Whether the project attracts the General Condition.		No	
9.	Does the project involves diversion of forest land.If yes, a. Extent of the forest land. b. Status of the forest clearance. If No, submit documentary proof		No	
10	Does the project fall within 10 km of eco-sensitive area/ National park/Wild Life Sanctuary? If yes, Status of NOC. If No, If No, submit documentary proof		No	
11.	Land requirement for the project		Prior to the project proposal	
			Sr No.	Ownership pattern
			i)	Forest Land
				Area in Ha
				Nil

"Proceedings of 174<sup>th</sup> meeting of SEIAA  
held on 31.10.2020"

		ii)	Private land	4.39
		iii)	Government land	Nil
		iv)	Revenue land	Nil
		v)	Other land	Nil
		vi)	Total land	4.39
		Present Land use Break Up		
		Sr No.	Land use	Area in Ha
		i)	Agriculture Area	4.39
		ii)	Waste/Barren Area	
		iii)	Settlement	
		iv)	Surface water Bodies	
		v)	Other( Specify)	Nil
12.	Cost of the project	Overall cost of the project is about Rs. 1,23,08,900/-. The capital investment in the project is estimated to be Rs 30,02,966/-.		
13.	Environmental Clearance. Fee details	Rs 8780/- Vide NEFT No 608227120 dated 20/07/20		
14.	Details of Final District Survey Report	Approved by :- District Commissioner .Ferozpur Reference No:728 Date of Issue: 8/06/2020		
15	Details of visit report of Sub Divisional Level Committee	Date of visit: - 07.09.17 Recommendation: Suitable for mining		
16	Details of Mining Plan	Approved by :- State Geologists Punjab Approval Letter No: Glg/Pb/M.P./2020/Behak Gujjran/431 Date of Approval: 01.07.2020 Approved Mining Lease Area: 4.39 Ha Approved Mining Quantity: 34676.29 Tonnes per annum. Depth of Mining (m):3.0 Metres.		
17	Demarcation report of mining site	Date of demarcation:22.10.19		
18.	Workers (when fully operational)	30 Persons.		
19.	Water Requirements & source	Domestic: 0.60 KLD ( @ 20 lpcd) Plantation: 0.15 KLD Dust Suppression: 3.09 KLD Total: 3.84 KLD Ground water/Others: Nil		
20.	Waste water generation, Treatment &its Disposal	iv)	Quantity of Waste water : Nil KLD (80% of water requirement)	

		v) Treatment Method: Septic Tank vi) Mode of Disposal : c) Plantation purpose.: 0.15 KLD b) Dust Suppression: 3.09 KLD																								
21	Solid waste generation and its disposal	Solid waste will be disposed as per Solid Waste Management Rules, 2016.																								
22.	Green Belt Development Plan including no. of trees to be planted & its species.	Tree cutting ( if any ) : <b>Nil</b> The comprehensive plantation plan will be submitted at the time EC.																								
23.	Environment Management Plan along with Budgetary breakup and responsibility to implement	<p><b>Prime Vision Industries Pvt Ltd.</b> will be responsible for the implementation of EMP till the mining activities closed as per the mining plan.</p> <table border="1"> <thead> <tr> <th>Sl. No</th> <th>Description</th> <th>Capital Cost (Rs)</th> <th>Recurring Cost (Rs)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Dust suppression through water sprinkling</td> <td>Nil</td> <td>1,00,000</td> </tr> <tr> <td>2</td> <td>Pollution Monitoring i) Air pollution ii) Water pollution iii) Noise Pollution</td> <td>--</td> <td>1,00,000</td> </tr> <tr> <td>3</td> <td>Plantation and salary for one gardener (part time basis).</td> <td>6,45,000</td> <td>4,97,000</td> </tr> <tr> <td>4</td> <td>Haul road Maintenance Cost</td> <td>67,500</td> <td>50,000</td> </tr> <tr> <td colspan="2"><b>TOTAL (Lakhs)</b></td> <td><b>7,12,500</b></td> <td><b>7,47,000</b></td> </tr> </tbody> </table> <p>A total of 1489 trees will be planted by the PP during the mine lease period on the land provided by the Gram Panchayat. About 40% trees i.e 595 shall be planted in the first year and 30% plants i.e 447 trees in 2<sup>nd</sup> and 3<sup>rd</sup> year.</p>	Sl. No	Description	Capital Cost (Rs)	Recurring Cost (Rs)	1	Dust suppression through water sprinkling	Nil	1,00,000	2	Pollution Monitoring i) Air pollution ii) Water pollution iii) Noise Pollution	--	1,00,000	3	Plantation and salary for one gardener (part time basis).	6,45,000	4,97,000	4	Haul road Maintenance Cost	67,500	50,000	<b>TOTAL (Lakhs)</b>		<b>7,12,500</b>	<b>7,47,000</b>
Sl. No	Description	Capital Cost (Rs)	Recurring Cost (Rs)																							
1	Dust suppression through water sprinkling	Nil	1,00,000																							
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<b>TOTAL (Lakhs)</b>		<b>7,12,500</b>	<b>7,47,000</b>																							
24	CER activities along with budgetary break up and responsibility to implement																									

	i) Sh. Harkesh Singh of M/s. Prime Vision Industries Pvt Ltd will be responsible for implementation of Corporate Environmental Responsibility (CER). PP will install 2 Kwh Solar Power Plant at Government Primary School in Village Behak Gujran at a cost of Rs 80,000/-
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SEAC asked the project proponent and his Environmental Consultant to clarify the following observations to which he replied as under: -

Sr. No.	Observations	Reply submitted by the project proponent and his Environmental Consultant
1.	The project proponent is required to earmark two tubewells/ borewells/ wells as observation wells in the adjoining area within a radius of 500m of the project site. Also, monthly monitoring of the water level in the wells is required to be carried out and reported to District Mining Officer on monthly basis.	The project proponent agreed to the same.
2.	The project proponent is required to plant trees of natives species having plant height more than 3 ft along with tree guard.	The project proponent agreed to the same.
3.	The project proponent is required to submit an undertaking to the effect that the mining shall be carried out as per the approved Mining Plan and comply with the terms and conditions of Department of Mines & Geology, Govt. of Punjab as issued from time to time.	The project proponent agreed to the same.
4.	As per the condition no. 21 mentioned in the standard Environmental Conditions for sand mining as given in the Sustainable Sand Mining Management Guidelines, 2016, mining should begin only after pucca pillar, marking the boundary of lease area, is erected at the cost of the lease holder after certification by the mining official and its geo coordinates are made available to the District Level Committee and a condition to the same shall be imposed in the Environmental	The project proponent agreed to the same.

	Clearance issued to the project proponent.	
5.	The project proponent could not justify as to why the semi-mechanized mining is better for environment as compared to manual mining. The Committee decided that the project proponent shall carryout mining only by manual method.	The project proponent agreed to the same.

SEAC was satisfied from the presentation and reply given to the observation. SEAC took a copy of presentation along with reply on record.

## 2.0 Recommendation of SEAC

After deliberations, SEAC decided to award silver grading to the project and forward the application of the project proponent to SEIAA with the recommendations to grant Environmental Clearance for mining of minor minerals (Sand) on Agricultural Land located in the revenue estate of village Behak Gujran, Tehsil Zira, District Ferozepur, Punjab submitted by M/s Prime Vision Industries Pvt. Ltd. as per Annexure-I along with the following additional conditions:

1. The project proponent shall carry out mining only by the manual method.
2. The project proponent is required to earmark two tubewells/ borewells/ wells as observation wells in the adjoining area within a radius of 500m of the project site. Also, monthly monitoring of the water level in the wells is required to be carried out and reported to District Mining Officer on monthly basis.
3. The project proponent shall begin mining only after pucca pillar marking, the boundary of lease area is erected at the cost of the lease holder after certification by the mining official and its geo coordinates are made available to the District Level Committee.
4. The proponent shall plant 1489 number of plants of native species of not less than 3 ft in size at the identified location and protect the same with tree guards. The proponent shall make adequate provision of funds and ensure maintenance of the plants for a further period of three years.
5. The project proponent shall construct rain water harvesting pits along with desilting chambers in the Govt. Primary School of the village Behak Gujran, Tehsil Zira, District Ferozepur. The project proponent shall follow the CGWA guidelines for constructing the rainwater recharging pits.
6. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility. The project proponent shall adhere to the commitments made in the proposal for CER activities for spending at least minimum amount of Rs. 80,000/- towards following activities:

Sr. No.	Particulars	Amount (in Rs)
1	PP will install 1 Kwh Solar Power Plant at Government Primary School in village	80,000/-

	Behak Gujran, Tehsil Zira, District Ferozepur	
<b>Total</b>		<b>80,000/</b>

### **3.0 Deliberations during the 174<sup>th</sup> meeting of SEIAA held on 31.10.2020**

The case was considered by SEIAA in its 174<sup>th</sup> meeting held on 31.10.2020 and was attended by the following on behalf of the project proponent:

- i) Sh. Harkesh Singh, Authorised signatory, on behalf of the project proponent.
- ii) Sh. Subhash Kumar, EIA Coordinator and Sh. Manas Vyas, FAE, M/s P & M Solutions, Noida, Environment Consultant of the promoter company.

Environmental consultant of the promoter company presented the salient features of the project before SEIAA. A copy of the presentation was also submitted which was taken on record.

To a query SEIAA regarding the NOC from the Forest Department, Environmental Consultant informed that Forest Department has issued NOC to the project vide letter No. 7676 dated 28.09.2020.

To another query of SEIAA regarding cluster formation, Environmental Consultant informed that the Mining Department has issued Certificate vide No. 326 dated 20.10.2020 to the effect that no other mine lease is existing within 500 m periphery from the area of present mining site.

During discussions, the representative of the promoter company agreed to comply with fully all the conditions as mentioned by SEAC.

The SEIAA observed that the case stands recommended by SEAC and the Committee has awarded 'Silver Grading' to the project proposal. The SEIAA looked into the details of the case and was satisfied with the same.

Therefore, the Authority decided to accept the recommendations of SEAC and grant Environmental Clearance for mining of minor minerals (Sand) @ 34676.29 TPA upto a depth of 3 m (below ground level) on Agricultural Land in an area of 4.39 ha located in the revenue estate of village Behak Gujran, Tehsil Zira, District Ferozepur, Punjab to M/s Prime Vision Industries Pvt. Ltd., as per approved mining Plan with the manual method of mining only & subsequent presentation /clarifications made by the project proponent and his consultant, with proposed measures and conditions as recommended by SEAC.



**Item No.174.18: Application for obtaining environmental clearance under EIA notification dated 14.09.2006 for mining of minor minerals On Agricultural Land in the village Chhanga Rai Uttar, Tehsil Guru Har Sahai District- Ferozepur, Punjab submitted by Prime Vision Industries Private Limited. (Proposal No. SIA/PB/MIN/178971/2020)**

M/s Prime Vision Industries Pvt Ltd has applied for obtaining environmental clearance under EIA notification dated 14.09.2006 for mining of minor minerals (Sand) **On Agricultural Land in the village Chhanga Rai Uttar, Tehsil Guru Har Sahai District- Ferozepur, Punjab** on 19.10.2020. The project is covered under category 1 (a) of the Schedule appended to the said notification.

Further, on the basis of scrutiny of application, EDS were raised on 16.04.2020 by SEIAA to which project proponent replied on 16.06.2020, respectively. The project proponent submitted all the requisite documents as per the check list of mining case along with Form-02. The project proponent submitted a hard copy of the same, which was taken on record.

**(A) General**

i)	Name of Applicant & Correspondence address: Mobile No: Email ID:	M/s Prime Vision Industries Pvt Ltd <b>312, Vishal Chamber P-1, Sector-18, Noida, Uttar Pradesh.</b> 9646210786 Primevision.pb.ec@gmail.com
ii)	Name of Environmental Consultant Mobile No. Email ID	P and M solution 9910037943 <a href="mailto:Manasvyas23@gmail.com">Manasvyas23@gmail.com</a>

**1.0 Deliberations during the 195<sup>th</sup> meeting of SEAC held on 24.10.2020.**

The case was considered by SEAC in its 195<sup>th</sup> meeting held on 24.10.2020. The meeting was attended by the following through Video Conference on behalf of the project proponent:

- (i) Sh. Harkesh Singh, Authorised signatory, on behalf of the project proponent.
- (ii) Sh. Subhash Kumar, EIA Coordinator and Sh. Manas Vyas, FAE, M/s P & M Solutions, Noida, Environment Consultant of the promoter company.

SEAC allowed the project proponent to present the salient features of the project and the Environment Consultant of the promoter company presented the same as under:

S.No.	Item	Details
1.	Online Proposal No.	SIA/PB/MIN/178971/2020
2.	Project Name & Location	<b>CHHANGA RAI UTTAR SAND MINING PROJECT AT HADBAST NO-298, VILLAGE-CHHANGA RAI</b>

		<b>UTTAR, TEHSIL- GURU HAR SAHAI, DISTRICT-FIROZPUR, PUNJAB</b>		
3	Project/activity covered under item of scheduled to the EIA Notification, 14.09.2006.	SI. No. 1(a)		
4	Details of Mining Lease			
i)	Mineral (s) to be mined	Sand		
ii)	Capacity of Mine	The Proposed production Capacity 17294.0TPA.		
iii)	Mining Lease Area	Total area is 2.06 Ha		
iv)	Details Letter of Intent (LOI)/E-Auction issued by the State Govt.	Reference No:1709-10 Date of Issue:09.07.2019 Validity of LOI: Mining Lease Area: 2.06Ha. Mining Quantity: 17294.0TPA		
5	HadBast No.	298		
6	Land Khasra No. & their consent details			
	Sr No	Type	Khasra No	
	1	Govt Land		
	2	Private Land	26//2/2(4-0),2/1(4-0),3/1(2-0),3/2/1(2-0),3/2/2(4-0),4/1(4-13),8/1/1/1/1(1-8),8/1/1/1/2(1-8),8/2(1-6), 8/1/2(1-6),8/1/1/2(2-12),10//2/1/2(2-2),10/2/2(1-18)	
7.	Latitude & Longitude			
	S.No.	Corner	Latitude	Longitude
	1	A	30° 45'1.55"N	74°19'14.23"E
	2	B	30° 45'3.43"N	74°19'14.13"E
	3	C	30° 45'3.49"N	74°19'15.44"E
	4	D	30° 45'5.49"N	74°19'15.51"E
	5	E	30° 45'5.30"N	74°19'22.07"E
	6	F	30° 45'3.28"N	74°19'21.96"E
	7	G	30° 45'3.30"N	74°19'20.11"E
	8	H	30° 45'1.44"N	74°19'20.08"E

8	Whether the project attracts the General Condition.	No																																							
9.	Does the project involves diversion of forest land.If yes, a. Extent of the forest land. b. Status of the forest clearance. If No, submit documentary proof	No																																							
10	Does the project fall within 10 km of eco-sensitive area/ National park/Wild Life Sanctuary? If yes, Status of NOC. If No, If No, submit documentary proof	No																																							
11.	Land requirement for the project	<p>Prior to the project proposal</p> <table border="1"> <thead> <tr> <th>Sr No.</th> <th>Ownership pattern</th> <th>Area in Ha</th> </tr> </thead> <tbody> <tr> <td>i)</td> <td>Forest Land</td> <td>Nil</td> </tr> <tr> <td>ii)</td> <td>Private land</td> <td>2.06</td> </tr> <tr> <td>iii)</td> <td>Government land</td> <td>Nil</td> </tr> <tr> <td>iv)</td> <td>Revenue land</td> <td>Nil</td> </tr> <tr> <td>v)</td> <td>Other land</td> <td>Nil</td> </tr> <tr> <td>vi)</td> <td>Total land</td> <td>2.06</td> </tr> </tbody> </table> <p>Present Land use Break Up</p> <table border="1"> <thead> <tr> <th>Sr No.</th> <th>Land use</th> <th>Area in Ha</th> </tr> </thead> <tbody> <tr> <td>i)</td> <td>Agriculture Area</td> <td>2.06</td> </tr> <tr> <td>ii)</td> <td>Waste/Barren Area</td> <td></td> </tr> <tr> <td>iii)</td> <td>Settlement</td> <td></td> </tr> <tr> <td>iv)</td> <td>Surface water Bodies</td> <td></td> </tr> <tr> <td>v)</td> <td>Other( Specify)</td> <td>Nil</td> </tr> </tbody> </table>	Sr No.	Ownership pattern	Area in Ha	i)	Forest Land	Nil	ii)	Private land	2.06	iii)	Government land	Nil	iv)	Revenue land	Nil	v)	Other land	Nil	vi)	Total land	2.06	Sr No.	Land use	Area in Ha	i)	Agriculture Area	2.06	ii)	Waste/Barren Area		iii)	Settlement		iv)	Surface water Bodies		v)	Other( Specify)	Nil
Sr No.	Ownership pattern	Area in Ha																																							
i)	Forest Land	Nil																																							
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iii)	Settlement																																								
iv)	Surface water Bodies																																								
v)	Other( Specify)	Nil																																							
12.	Cost of the project	Overall cost of the project is about Rs. 67,11852/-. The capital investment in the project is estimated to be Rs 14,87,284/-.																																							
13.	Environmental Clearance. Fee details	Rs 4120/- Vide NEFT No 614329541 dated 07/10/20																																							
14.	Details of Final District Survey Report	Approved by :- District Commissioner .Ferozpur Reference No:728 Date of Issue: 8/06/2020																																							
15	Details of visit report of Sub Divisional Level Committee	Date of visit: - Recommendation: Suitable for mining																																							
16	Details of Mining Plan	Approved by :- State Geologists Punjab																																							

		Approval Letter No: Glg/Pb/M.P./2020/Chhanga Rai Uttar/534 Date of Approval: 14.08.2020 Approved Mining Lease Area: 2.06 Ha Approved Mining Quantity: 17294.0 Tonnes per annum. Depth of Mining (m):3.0 Metres.			
17.	Demarcation report of mining site	Date of demarcation:18.01.2020			
18.	Workers (when fully operational)	20 Persons.			
19.	Water Requirements & source	Domestic: 0.4 KLD ( @ 20 lpcd) Plantation: 0.12 KLD Dust Suppression: 2.4 KLD Total: 2.92 KLD Ground water/Others: Nil			
20.	Waste water generation, Treatment & its Disposal	vii) Quantity of Waste water : Nil KLD (80% of water requirement) viii) Treatment Method: Septic Tank ix) Mode of Disposal : d) Plantation purpose.: 0.12 KLD b) Dust Suppression: 2.4 KLD			
21.	Solid waste generation and its disposal	Solid waste will be disposed as per Solid Waste Management Rules, 2016.			
22.	Green Belt Development Plan including no. of trees to be planted & its species.	Tree cutting ( if any ) : Nil The comprehensive plantation plan will be submitted at the time EC.			
23.	Environment Management Plan along with Budgetary breakup and responsibility to implement	<b>Prime Vision Industries Pvt Ltd.</b> will be responsible for the implementation of EMP till the mining activities closed as per the mining plan.			
		<b>Sl. No</b>	<b>Description</b>	<b>Capital Cost (Rs)</b>	<b>Recurring Cost (Rs)</b>
		1	Dust suppression through water sprinkling	Nil	1,00,000
2	Pollution Monitoring i) Air pollution ii) Water pollution iii) Noise Pollution	--	1,00,000		

		3	Plantation and salary for one gardener (part time basis).	3,22,000	2,53,000
		4	Haul road Maintenance Cost	57,500	25,000
		<b>TOTAL (Lakhs)</b>		<b>3,79,500</b>	<b>4,78,000</b>
		A total of 678 trees will be planted by the PP during the mine lease period on the land provided by the Gram Panchayat. About 40% trees i.e 272 shall be planted in the first year and 30% plants i.e 203 trees in 2 <sup>nd</sup> and 3 <sup>rd</sup> year.			
24	CER activities along with budgetary break up and responsibility to implement i) Sh. Harkesh Singh of M/s. Prime Vision Industries Pvt Ltd will be responsible for implementation of Corporate Environmental Responsibility (CER). PP will install 1 Kwh Solar Power Plant at Government Primary School in Village Chhanga Rai Uttar at a cost of Rs 40,000/-				

SEAC asked the project proponent and his Environmental Consultant to clarify the following observations to which he replied as under: -

Sr. No.	Observations	Reply submitted by the project proponent and his Environmental Consultant
1.	The project proponent is required to earmark two tubewells/ borewells/ wells as observation wells in the adjoining area within a radius of 500m of the project site. Also, monthly monitoring of the water level in the wells is required to be carried out and reported to District Mining Officer on monthly basis.	The project proponent agreed to the same.
2.	The project proponent is required to plant trees of natives species having plant height more than 3 ft along with tree guard.	The project proponent agreed to the same.
3.	The project proponent is required to submit an undertaking to the effect that the mining shall be carried out as per the approved Mining Plan and comply with the terms and conditions of Department of Mines & Geology, Govt. of Punjab as issued from time to time.	The project proponent agreed to the same.

4.	As per the condition no. 21 mentioned in the standard Environmental Conditions for sand mining as given in the Sustainable Sand Mining Management Guidelines, 2016, mining should begin only after pucca pillar, marking the boundary of lease area, is erected at the cost of the lease holder after certification by the mining official and its geo coordinates are made available to the District Level Committee and a condition to the same shall be imposed in the Environmental Clearance issued to the project proponent.	The project proponent agreed to the same.
5.	The project proponent could not justify as to why the semi-mechanized mining is better for environment as compared to manual mining. The Committee decided that the project proponent shall carryout mining only by manual method.	The project proponent agreed to the same.

SEAC was satisfied from the presentation and reply given to the observation. SEAC took a copy of presentation along with reply on record.

## **2.0 Recommendation of SEAC**

After deliberations, SEAC decided to award silver grading to the project and forward the application of the project proponent to SEIAA with the recommendations to grant Environmental Clearance for mining of minor minerals (Sand) on Agricultural Land located in the revenue estate of village Chhanga Rai Uttar, Tehsil Guru Har Sahai, District Ferozepur, Punjab submitted by M/s Prime Vision Industries Pvt. Ltd. as per Annexure-I along with the following additional conditions:

1. The project proponent shall carry out mining only by the manual method.
2. The project proponent is required to earmark two tubewells/ borewells/ wells as observation wells in the adjoining area within a radius of 500m of the project site. Also, monthly monitoring of the water level in the wells is required to be carried out and reported to District Mining Officer on monthly basis.
3. The project proponent shall begin mining only after pucca pillar marking, the boundary of lease area is erected at the cost of the lease holder after certification by the mining official and its geo coordinates are made available to the District Level Committee.

4. The proponent shall plant 678 number of plants of native species of not less than 3 ft in size at the identified location and protect the same with tree guards. The proponent shall make adequate provision of funds and ensure maintenance of the plants for a further period of three years.
5. The project proponent shall construct rain water harvesting pits along with desilting chambers in the Govt. Primary School of the village Chhanga Rai Uttar, Tehsil Guru Har Sahai, District Ferozepur, Punjab. The project proponent shall follow the CGWA guidelines for constructing the rainwater recharging pits.
6. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility. The project proponent shall adhere to the commitments made in the proposal for CER activities for spending at least minimum amount of Rs. 40,000/- towards following activities:

<b>Sr. No.</b>	<b>Particulars</b>	<b>Amount (in Rs)</b>
1	PP will install 1 Kwh Solar Power Plant at Government Primary School in Village Chhanga Rai Uttar, Tehsil Guru Har Sahai, District Ferozepur	40,000/-
<b>Total</b>		<b>40,000/</b>

### **3.0 Deliberations during the 174<sup>th</sup> meeting of SEIAA held on 31.10.2020**

The case was considered by SEIAA in its 174<sup>th</sup> meeting held on 31.10.2020 and was attended by the following on behalf of the project proponent:

- i) Sh. Harkesh Singh, Authorised signatory, on behalf of the project proponent.
- ii) Sh. Subhash Kumar, EIA Coordinator and Sh. Manas Vyas, FAE, M/s P & M Solutions, Noida, Environment Consultant of the promoter company.

Environmental consultant of the promoter company presented the salient features of the project before SEIAA. A copy of the presentation was also submitted which was taken on record.

To a query SEIAA regarding the NOC from the Forest Department, Environmental Consultant informed that Forest Department has issued NOC to the project vide letter No. 7676 dated 28.09.2020.

To another query of SEIAA regarding cluster formation, Environmental Consultant informed that the Mining Department has issued Certificate vide No. 296 dated 27.07.2020 to the effect that no other mine lease is existing within 500 m periphery from the area of present mining site.

During discussions, the representative of the promoter company agreed to comply with fully all the conditions as mentioned by SEAC.

The SEIAA observed that the case stands recommended by SEAC and the Committee has awarded ‘Silver Grading’ to the project proposal. The SEIAA looked into the details of the case and was satisfied with the same.

Therefore, the Authority decided to accept the recommendations of SEAC and grant Environmental Clearance for mining of minor minerals (Sand) @ 17294 TPA upto a depth of 3 m (below ground level) on Agricultural Land in an area of 2.06 ha located in the revenue estate of village Chhanga Rai Uttar, Tehsil Guru Harsahai, District Ferozepur, Punjab to M/s Prime Vision Industries Pvt. Ltd., as per approved mining Plan with the manual method of mining only & subsequent presentation /clarifications made by the project proponent and his consultant, with proposed measures and conditions as recommended by SEAC.

**Item No.174.19: Application for obtaining environmental clearance under EIA notification dated 14.09.2006 for mining of minor minerals On Agricultural Land in the village Midda Haji, Tehsil Ferozepur District- Ferozepur, Punjab submitted by Prime Vision Industries Private Limited.(Proposal No. SIA/PB/MIN/179934/2020)**

M/s Prime Vision Industries Pvt Ltd has applied for obtaining environmental clearance under EIA notification dated 14.09.2006 for mining of minor minerals (Sand) **On Agricultural Land in the village Midda Haji, Tehsil Ferozepur District- Ferozepur, Punjab** on 21.10.2020. The project is covered under category 1 (a) of the Schedule appended to the said notification.

Further, on the basis of scrutiny of application, EDS were raised on 16.04.2020 by SEIAA to which project proponent replied on 16.06.2020, respectively. The project proponent submitted all the requisite documents as per the check list of mining case along with Form-02. The project proponent submitted a hard copy of the same, which was taken on record.

**(A) General**

i)	Name of Applicant & Correspondence address: Mobile No: Email ID:	M/s Prime Vision Industries Pvt Ltd <b>312, Vishal Chamber P-1, Sector-18, Noida, Uttar Pradesh.</b> 9646210786 Primevision.pb.ec@gmail.com
ii)	Name of Environmental Consultant Mobile No. Email ID	P and M solution 9910037943 <a href="mailto:Manasvyas23@gmail.com">Manasvyas23@gmail.com</a>

**1.0 Deliberations during the 195<sup>th</sup> meeting of SEAC held on 24.10.2020.**



The case was considered by SEAC in its 195<sup>th</sup> meeting held on 24.10.2020. The meeting was attended by the following through Video Conference on behalf of the project proponent:

- (i) Sh. Harkesh Singh, Authorised signatory, on behalf of the project proponent.
- (ii) Sh. Subhash Kumar, EIA Coordinator and Sh. Manas Vyas, FAE, M/s P & M Solutions, Noida, Environment Consultant of the promoter company.

SEAC allowed the project proponent to present the salient features of the project and the Environment Consultant of the promoter company presented the same as under:

S.No.	Item	Details		
1.	Online Proposal No.	SIA/PB/MIN/179934/2020		
2.	Project Name & Location	<b>MIDDA HAJI SAND MINING PROJECT AT HADBAST NO-290, VILLAGE-MIDDA HAJI, TEHSIL- FEROPUR, DISTRICT-FIROZPUR, PUNJAB</b>		
3	Project/activity covered under item of scheduled to the EIA Notification, 14.09.2006.	SI. No. 1(a)		
4	Details of Mining Lease			
i)	Mineral (s) to be mined	Sand		
ii)	Capacity of Mine	The Proposed production Capacity 28914.15TPA.		
iii)	Mining Lease Area	Total area is 3.47 Ha		
iv)	Details Letter of Intent (LOI)/E-Auction issued by the State Govt.	Reference No:1709-10 Date of Issue:09.07.2019 Validity of LOI: Mining Lease Area: 3.47Ha. Mining Quantity: 28914.15TPA		
5	HadBast No.	290		
6	Land Khasra No. & their consent details			
	Sr No	Type	Khasra No	
	1	Govt Land		
	2	Private Land	8//8(8-0),9(8-0),10/1(7-9),10/2(0-9),11/2(4-0),12/1(2-11),12/2/1/2(0-4),12/2/2(5-0),13/2(4-0),14(8-0),18(8-0),199/1(2-16),19/2(5-4),23/2(4-0)	
7.	Latitude & Longitude			
	S.No.	Corner	Latitude	Longitude
	1	A	30° 55'38.67"N	74°29'19.91"E

	2	B	30° 55'38.59"N	74°29'19.91"E
	3	C	30° 55'36.56"N	74°29'19.82"E
	4	D	30° 55'36.57"N	74°29'22.34"E
	5	E	30° 55'34.57"N	74°29'22.34"E
	6	F	30° 55'34.66"N	74°29'19.86"E
	7	G	30° 55'30.85"N	74°29'19.63"E
	8	H	30° 55'30.89"N	74°29'18.39"E
	9	I	30° 55'32.85"N	74°29'18.51"E
	10	J	30° 55'32.85"N	74°29'14.81"E
	11	K	30° 55'34.83"N	74°29'14.85"E
	12	L	30° 55'38.67"N	74°29'13.62"E
	13	M	30° 55'36.79"N	74°29'13.65"E
	14	N	30° 55'36.79"N	74°29'12.31"E
8	Whether the project attracts the General Condition.		No	
9.	Does the project involves diversion of forest land.If yes, a. Extent of the forest land. b. Status of the forest clearance. If No, submit documentary proof		No	
10	Does the project fall within 10 km of eco-sensitive area/ National park/Wild Life Sanctuary? If yes, Status of NOC. If No, If No, submit documentary proof		No	
11.	Land requirement for the project		Prior to the project proposal	
	Sr No.	Ownership pattern	Area in Ha	
	i)	Forest Land	Nil	
	ii)	Private land	3.47	
	iii)	Government land	Nil	
	iv)	Revenue land	Nil	
	v)	Other land	Nil	
	vi)	Total land	3.47	
	Present Land use Break Up			

"Proceedings of 174<sup>th</sup> meeting of SEIAA  
held on 31.10.2020"

		Sr No.	Land use	Area in Ha
		i)	Agriculture Area	3.47
		ii)	Waste/Barren Area	
		iii)	Settlement	
		iv)	Surface water Bodies	
		v)	Other( Specify)	Nil
12.	Cost of the project	Overall cost of the project is about Rs. 1,08,09,812/-. The capital investment in the project is estimated to be Rs 24,86,604/-.		
13.	Environmental Clearance. Fee details	Rs 6940/- Vide NEFT No 614340360 dated 07/10/20		
14.	Details of Final District Survey Report	Approved by :- District Commissioner .Ferozepur Reference No:728 Date of Issue: 8/06/2020 Mining Lease Area: 3.47 Ha Mining Quantity: 28914.15TPA. Mining Depth: 3.0 Meters Safe distance from adjacent land :7.5m Annual rate of replenishment as per the study conducted: NA		
15	Details of visit report of Sub Divisional Level Committee	Date of visit: - 08.09.17 Recommendation: Suitable for mining		
16	Details of Mining Plan	Approved by :- State Geologists Punjab Approval Letter No: Glg/Pb/M.P./2020/Midda Haji/531 Date of Approval: 14.08.2020 Approved Mining Lease Area: 3.47 Ha Approved Mining Quantity: 28914.15 Tonnes per annum. Depth of Mining (m):3.0 Metres.		
17	Demarcation report of mining site	Date of demarcation:04.11.19		
18.	Workers (when fully operational)	28 Persons.		
19.	Water Requirements & source	Domestic: 0.56 KLD ( @ 20 lpcd) Plantation: 0.20 KLD Dust Suppression: 2.50 KLD Total: 3.26 KLD Ground water/Others: Nil		

20.	Waste water generation, Treatment & its Disposal	i) Quantity of Waste water : Nil KLD (80% of water requirement) ii) Treatment Method: Septic Tank iii) Mode of Disposal : a) Plantation purpose.: 0.20 KLD b) Dust Suppression: 2.50 KLD																								
21	Solid waste generation and its disposal	Solid waste will be disposed as per Solid Waste Management Rules, 2016.																								
22.	Green Belt Development Plan including no. of trees to be planted & its species.	Tree cutting ( if any ) : Nil The comprehensive plantation plan will be submitted at the time EC.																								
23.	Environment Management Plan along with Budgetary breakup and responsibility to implement	<p><b>Prime Vision Industries Pvt Ltd.</b> will be responsible for the implementation of EMP till the mining activities closed as per the mining plan.</p> <table border="1"> <thead> <tr> <th>Sl. No</th> <th>Description</th> <th>Capital Cost (Rs)</th> <th>Recurring Cost (Rs)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Dust suppression through water sprinkling</td> <td>Nil</td> <td>1,00,000</td> </tr> <tr> <td>2</td> <td>Pollution Monitoring i) Air pollution ii) Water pollution iii) Noise Pollution</td> <td>--</td> <td>1,00,000</td> </tr> <tr> <td>3</td> <td>Plantation and salary for one gardener (part time basis).</td> <td>5,09,000</td> <td>3,93,000</td> </tr> <tr> <td>4</td> <td>Haul road Maintenance Cost</td> <td>57,500</td> <td>25,000</td> </tr> <tr> <td colspan="2"><b>TOTAL (Lakhs)</b></td> <td><b>4,37,000</b></td> <td><b>6,18,000</b></td> </tr> </tbody> </table> <p>A total of 1145 trees will be planted by the PP during the mine lease period on the land provided by the Gram Panchayat. About 40%</p>	Sl. No	Description	Capital Cost (Rs)	Recurring Cost (Rs)	1	Dust suppression through water sprinkling	Nil	1,00,000	2	Pollution Monitoring i) Air pollution ii) Water pollution iii) Noise Pollution	--	1,00,000	3	Plantation and salary for one gardener (part time basis).	5,09,000	3,93,000	4	Haul road Maintenance Cost	57,500	25,000	<b>TOTAL (Lakhs)</b>		<b>4,37,000</b>	<b>6,18,000</b>
Sl. No	Description	Capital Cost (Rs)	Recurring Cost (Rs)																							
1	Dust suppression through water sprinkling	Nil	1,00,000																							
2	Pollution Monitoring i) Air pollution ii) Water pollution iii) Noise Pollution	--	1,00,000																							
3	Plantation and salary for one gardener (part time basis).	5,09,000	3,93,000																							
4	Haul road Maintenance Cost	57,500	25,000																							
<b>TOTAL (Lakhs)</b>		<b>4,37,000</b>	<b>6,18,000</b>																							

		trees i.e 459 shall be planted in the first year and 30% plants i.e 343 trees in 2 <sup>nd</sup> and 3 <sup>rd</sup> year.
24	CER activities along with budgetary break up and responsibility to implement i) Sh. Harkesh Singh of M/s. Prime Vision Industries Pvt Ltd will be responsible for implementation of Corporate Environmental Responsibility (CER). PP will install 1 Kwh Solar Power Plant at Government Primary School in Village Midda Haji at a cost of Rs 40,000/-	

SEAC asked the project proponent and his Environmental Consultant to clarify the following observations to which he replied as under: -

Sr. No.	Observations	Reply submitted by the project proponent and his Environmental Consultant
1.	The project proponent is required to earmark two tubewells/ borewells/ wells as observation wells in the adjoining area within a radius of 500m of the project site. Also, monthly monitoring of the water level in the wells is required to be carried out and reported to District Mining Officer on monthly basis.	The project proponent agreed to the same.
2.	The project proponent is required to plant trees of natives species having plant height more than 3 ft along with tree guard.	The project proponent agreed to the same.
3.	The project proponent is required to submit an undertaking to the effect that the mining shall be carried out as per the approved Mining Plan and comply with the terms and conditions of Department of Mines & Geology, Govt. of Punjab as issued from time to time.	The project proponent agreed to the same.
4.	As per the condition no. 21 mentioned in the standard Environmental Conditions for sand mining as given in the Sustainable Sand Mining Management Guidelines, 2016, mining should begin only after pucca pillar, marking the boundary of lease area, is erected at the cost of the lease holder after certification by the mining official and its geo	The project proponent agreed to the same.

	coordinates are made available to the District Level Committee and a condition to the same shall be imposed in the Environmental Clearance issued to the project proponent.	
5.	The project proponent could not justify as to why the semi-mechanized mining is better for environment as compared to manual mining. The Committee decided that the project proponent shall carryout mining only by manual method.	The project proponent agreed to the same.

SEAC was satisfied from the presentation and reply given to the observation. SEAC took a copy of presentation along with reply on record.

## **2.0 Recommendation of SEAC**

After deliberations, SEAC decided to award silver grading to the project and forward the application of the project proponent to SEIAA with the recommendations to grant Environmental Clearance for mining of minor minerals (Sand) on Agricultural Land located in the revenue estate of village Midda Haji, Tehsil & District Ferozepur, Punjab submitted by M/s Prime Vision Industries Pvt. Ltd. as per Annexure-I along with the following additional conditions:

1. The project proponent shall carry out mining only by the manual method.
2. The project proponent is required to earmark two tubewells/ borewells/ wells as observation wells in the adjoining area within a radius of 500m of the project site. Also, monthly monitoring of the water level in the wells is required to be carried out and reported to District Mining Officer on monthly basis.
3. The project proponent shall begin mining only after pucca pillar marking, the boundary of lease area is erected at the cost of the lease holder after certification by the mining official and its geo coordinates are made available to the District Level Committee.
4. The proponent shall plant 1145 number of plants of native species of not less than 3 ft in size at the identified location and protect the same with tree guards. The proponent shall make adequate provision of funds and ensure maintenance of the plants for a further period of three years.
5. The project proponent shall construct rain water harvesting pits along with desilting chambers in the Govt. Primary School of the village Midda Haji, Tehsil & District Ferozepur. The project proponent shall follow the CGWA guidelines for constructing the rainwater recharging pits.
6. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility. The project proponent shall adhere to the commitments made in the proposal for CER activities for spending at least minimum amount of Rs. 40,000/- towards following activities:

<b>Sr. No.</b>	<b>Particulars</b>	<b>Amount (in Rs)</b>
1	PP will install solar water pump for villagers for use in irrigation	40,000/-
<b>Total</b>		<b>40,000/</b>

### **3.0 Deliberations during the 174<sup>th</sup> meeting of SEIAA held on 31.10.2020**

The case was considered by SEIAA in its 174<sup>th</sup> meeting held on 31.10.2020 and was attended by the following on behalf of the project proponent:

- i) Sh. Harkesh Singh, Authorised signatory, on behalf of the project proponent.
- ii) Sh. Subhash Kumar, EIA Coordinator and Sh. Manas Vyas, FAE, M/s P & M Solutions, Noida, Environment Consultant of the promoter company.

Environmental consultant of the promoter company presented the salient features of the project before SEIAA. A copy of the presentation was also submitted which was taken on record.

To a query SEIAA regarding the NOC from the Forest Department, Environmental Consultant informed that Forest Department has issued NOC to the project vide letter No. 7676 dated 28.09.2020.

To another query of SEIAA regarding cluster formation, Environmental Consultant informed that the Mining Department has issued Certificate vide No. 297 dated 27.07.2020 to the effect that no other mine lease is existing within 500 m periphery from the area of present mining site.

During discussions, the representative of the promoter company agreed to comply with fully all the conditions as mentioned by SEAC.

The SEIAA observed that the case stands recommended by SEAC and the Committee has awarded 'Silver Grading' to the project proposal. The SEIAA looked into the details of the case and was satisfied with the same.

Therefore, the Authority decided to accept the recommendations of SEAC and grant Environmental Clearance for mining of minor minerals (Sand) @ 28914.15 TPA upto a depth of 3 m (below ground level) on Agricultural Land in an area of 3.47 ha located in the revenue estate of village Midda Haji, Tehsil & District Ferozepur, Punjab to M/s Prime Vision Industries Pvt. Ltd., as per approved mining Plan with the manual method of mining only & subsequent presentation /clarifications made by the project proponent and his consultant, with proposed measures and conditions as recommended by SEAC.

**Item No: 174.20 Application for obtaining Terms of Reference under EIA notification dated 14.09.2006 for mining of minor minerals On River Bed in the village –Gobindgarh Kulchian, Sutlej river, Tehsil- Nangal, District- Ropar (Rupnagar) submitted by Sh. Rakesh Kumar Choudhary. (Proposal No. SIA/PB/MIN/52252/2020)**

The project proponent has applied for obtaining Terms of Reference under EIA notification dated 14.09.2006 for mining of minor minerals (Sand) from river bed of river Sutlej in the revenue estate of Village –Gobindgarh Kulchian, Tehsil- Nangal, District- Ropar (Rupnagar) on 03.07.2020. The project is covered under category 1 (a) of the Schedule appended to the said notification.

The project proponent submitted all the requisite documents as per the check list of mining case along with application form. The project proponent submitted a hard copy of the same, which was taken on record.

**(A) General**

i)	Name of Applicant & Correspondence address: Mobile No: Email ID:	SHRI RAKESH KUMAR CHOUDHARY Address-51B/D Gandhi Nagar, Jammu J & K 91-9419219028 <a href="mailto:rc350981@gmail.com">rc350981@gmail.com@gmail.com</a>
ii)	Name of Environmental Consultant Mobile No. Email ID	ARUN KUMAR YADAV RQP/AJM/242/2003/A Validity-21 <sup>st</sup> May, 2023 OVERSEAS MIN TECH CONSULTANTS <hr/> E-Mail- <a href="mailto:arun.omtc@gmail.com">arun.omtc@gmail.com</a> Website: <a href="http://www.overseasmintech.com">www.overseasmintech.com</a>

**1.0 Deliberations during the 195<sup>th</sup> meeting of SEAC held on 24.10.2020.**

The case was considered by SEAC in its 195<sup>th</sup> meeting held on 24.10.2020. The meeting was attended by the following through Video Conference on behalf of the project proponent:

- (i) Sh. Amit Kumar, Authorised signatory, on behalf of the project proponent.
- (ii) Sh. Arun Kumar Yadav, M/s Overseas Min Tech Consultants, Environmental consultant of the Project Proponent.

SEAC allowed the project proponent to present the salient features of the project and the Environment consultant of the promoter company presented the same as under:

S.No	Item	Details
1.	Online Proposal No.	<b>SIA/PB/MIN/52252/2020</b>
2.	Project Name & Location	GOBINDGARH KULCHIAN GRAVEL MINE” Block No. – 1, Hadbast No.–100, Near Village –



"Proceedings of 174<sup>th</sup> meeting of SEIAA  
held on 31.10.2020"

		Gobindgarh Kulchian Name of River –sutlaj River, Khasra No. –3/1/2, 4/1, Mineral –River Bed Material [Gravel (Minor Mineral)] Lease Area –5.60Ha. (Non- Forest), District- Ropar (Rupnagar), State- Punjab		
3	Project/activity covered under item of scheduled to the EIA Notification, 14.09.2006	SI. No. 1(a) Mining of Minerals		
4	Details of Mining Lease			
	Mineral (s) to be mined	Gravel		
	Capacity of Mine	The Proposed production Capacity 73225.31 TPA.		
	Mining Lease Area	Total area is 5.60 hectare		
	Details Letter of Intent (LOI)/E-Auction issued by the State Govt.	Reference No: 811-813 Date of Issue: 29/07/2019 Validity of LOI: Three year		
5	HadBast No.	100		
6	Land Khasra No. & their consent details			
	Sr No	Type	Khasra No	
	1	Govt Land		
	2	Private Land	3/1/2, 4/1	
7.	Latitude & Longitude			
	Sr. No.	Pillar	Latitude	Longitude
	1	A	30°58' 19.1669"N	88°25' 1.2307"E
	2	B	30°58' 19.1"N	88°24' 52.6"E
	3	C	30°58' 12.7489"N	88°24' 46.6098"E
	4	D	30°58' 12.5426"N	88°24' 59.511"E
8	Whether the project attracts the General Condition.	No		
9.	Does the project involves diversion of forest land. If yes, a. Extent of the forest land. b. Status of the forest clearance. If No, submit documentary proof	No		
10	Does the project fall within 10 km of eco-sensitive area/ National park/Wild Life Sanctuary? If yes, Status of NOC. If No, If No, submit documentary proof	No		

"Proceedings of 174<sup>th</sup> meeting of SEIAA  
held on 31.10.2020"

11.	Land requirement for the project	Prior to the project proposal		
		Sr No.	Ownership pattern	Area in Ha
		i)	Forest Land	Nil
		ii)	Private land	5.60
		iii)	Government land	Nil
		iv)	Revenue land	Nil
		v)	Other land	Nil
		vi)	Total land	<b>5.60</b>
		Present Land use Break Up		
		Sr No.	Land use	Area in Ha
		i)	Agriculture Area	5.60
		ii)	Waste/Barren Area	Nil
iii)	Settlement	Nil		
iv)	Surface water Bodies	Nil		
v)	Other( Specify)	----		
12.	Cost of the project	Rs. 50 lac/-		
13.	TOR Fee details	Rs 2,800/- Vide NEFT No-JAKA200611392700 dated 11.06.2020		
14.	Details of Final District Survey Report	DC Ropar vide letter no. 1806 dated 22.10.2020 has written to Secretary, Department of Mines & Geology that the DSR sent by the District mining officer Rupnagar is in public domain (Environmentclearance.nic.in.) for the past four Months. Now the updated DSR of District Rupnagar is available on the website that is Rupnagar.nic.in.		
15	Details of visit report of Sub Divisional Level Committee	Date of visit: - 452 dated 12.10.2020		
16	Details of Mining Plan	Approved by :- State Geologists Approval Letter No: Glg/Pb/M.P./2020/ Gobindgarh kulchain/291 Date of Approval: 4-4-2020 Approved Mining Lease Area: 5.60Ha Approved Mining Quantity: 73225.31 TPA Depth of Mining (m): 3 Meters		
17	Demarcation report of mining site	Date of demarcation 06.12.2019		
18.	Workers (when fully operational)	18 Persons.		
19.	Water Requirements & source	Domestic: 1.0 KLD ( @ 20 lpcd) Dust Suppression: 3.0 KLD		

		Total: 4.0 KLD Ground water/Others: Nil
20.	Waste water generation, Treatment & its Disposal	Quantity of Waste water : Nil (80% of water requirement) Treatment Method: Septic Tank Mode of Disposal: Plantation purpose
21	Solid waste generation and its disposal	Solid waste will be disposed as per Solid Waste Management Rules, 2016.
22.	Green Belt Development Plan including no. of trees to be planted & its species.	Tree cutting ( if any ) : Nil The comprehensive plantation plan will be submitted at the time EC.
23.	Environment Management Plan along with Budgetary breakup and responsibility to implement	<b>Rakesh kumar choudhary</b> will be responsible for the implementation of EMP till the mining activities closed as per the mining plan. The comprehensive plan will be submitted at the time EC.
24	CER activities along with budgetary break up and responsibility to implement	The comprehensive plan will be submitted at the time EC.

SEAC asked the project proponent and his Environmental Consultant to clarify the following observations to which he replied as under: -

Sr. No.	Observations	Reply submitted by the project proponent and his Environmental Consultant
1.	Whether Final District Survey Report (DSR) has been approved?	The project proponent submitted the DSR and the copy of the noting put up to the DC office for approval. Also the project proponent submitted letter from the DC Rupnagar bearing no. 1806 dated 22.10.2020. As per said letter the DSR sent by the Executive Engineer - cum-District Mining Officer was in in public domain (Environmentclearance.nic.in.) for the past four Months. Now the updated DSR of District Rupnagar is available on the website that is Rupnagar.nic.in..
2.	Whether permission from DFO has been obtained?	The project proponent submitted letter no. 569 dated 15.06.2020 issued by DFO, Rupnagar. As per the said letter adjoining to the site the area of village karkhana bela exists, in which permission is required for way falling under FCA.

		Therefore either permission of way is obtained from revenue department or permission under FCA is obtained from the Forest Department.
3.	Whether the report from Sub Divisional Committee has been obtained regarding suitability of the site for mining?	The project proponent Submitted a copy of Joint Inspection Report as per the provisions of SSMMG 2016.
4.	The project proponent is required to get the hydrogeological survey of the existing water level done and also required to submit the impact on the water level regime due to the project. This report is required to be submitted at the time of submission of the EIA report.	The project proponent agreed to the same.
5.	The project proponent is required to submit a report regarding the preservation of topsoil excavated during the mining process at the time of submission of the EIA report.	The project proponent agreed to the same.

SEAC was satisfied with the presentation and reply given to the observation. SEAC took a copy of the presentation along with a reply on record.

## **2.0 Recommendation of SEAC**

After deliberations, SEAC decided to forward the application of the project proponent to SEIAA with the recommendations to issue Terms of Reference for mining of minor minerals (Sand) on river bed located in the revenue estate of Gobindgarh Kulchian, Tehsil Nangal, District Rupnagar, Punjab submitted by Sh. Rakesh Kumar Choudhary, as per Annexure-III of the proceedings and the following additional ToRs:

1. The project proponent shall submit the approved DSR endorsed by the DC, Rupnagar clearly mentioning the Khasra Numbers of the site at the time of submission of the EIA report.
2. The project proponent shall obtain permission either from the revenue department or the Forest Department under the FCA for utilization of transportation route as per the letter issued by the DFO Rupnagar bearing no. 569 dated 15.06.2020.
3. The project proponent is required to get the hydrogeological survey of the existing water level done and to submit the impact on the water level regime due to the project. This report is required to be submitted at the time of submission of the EIA report.
4. The project proponent is required to submit a report regarding the preservation of topsoil excavated during the mining process at the time of submission of the EIA report.

### **3.0 Deliberations during the 174<sup>th</sup> meeting of SEIAA held on 31.10.2020**

The case was considered by SEIAA in its 174<sup>th</sup> meeting held on 31.10.2020 and was attended by the following on behalf of the project proponent:

- (i) Sh. Amit Kumar, Authorised signatory, on behalf of the project proponent.
- (ii) Sh. Sameer Singh, M/s Overseas Min Tech Consultants, Environmental consultant of the Project Proponent.

Environmental consultant of the promoter company presented the salient features of the project before SEIAA. A copy of the presentation was also submitted which was taken on record.

To a query SEIAA regarding the NOC from the Forest Department, Environmental Consultant submitted a copy of letter no. 569 dated 15.06.2020 issued by DFO, Rupnagar, wherein it has been reported that land bearing khasra No. 3/1/2 and 4/1 does not fall under the section 4/5 of PLPA However, no approach exists for the mining site. Further, Govt. Forest land of village Karkhana Bela abuts to the mining site and the permission is required to be obtained under FCA for the approach to the mining site. It was also mentioned that permission for the mining activities may not be given without the prior permission of approach road.

To another query of SEIAA regarding how much area falling under the instream river mining, the Environmental Consultant fails to provide the same.

SEIAA further observed that the application has been filed for mining of gravel, but the Site appraisal Report is for the mining of sand. Therefore, the contents of the application mismatch with the Site appraisal Report.

After detailed deliberations, the Authority decided to reject the application for issue of TOR in this case of the project proponent in view of the aforesaid reasons.

#### **Item No:174.21 Application for obtaining Terms of Reference under EIA notification dated 14.09.2006 for mining of minor minerals on river bed of river Ravi in the village Kharkhara, District-Pathankot (Punjab), Punjab submitted by M/s Sainik Industries Private Ltd. (Proposal No. SIA/PB/MIN/52167/2020)**

M/s Sainik Industries Private Ltd. has applied for obtaining Terms Of Reference under EIA notification dated 14.09.2006 for mining of minor minerals (Sand) from Agricultural land in the revenue estate of **village Kharkhara, District- Pathankot (Punjab)** on 03.07.2020. The project is covered under category 1 (a) of the Schedule appended to the said notification.

The project proponent submitted all the requisite documents as per the check list of mining case along with application form. The project proponent submitted a hard copy of the same, which was taken on record.

#### **(A) General**

i)	Name of Applicant & Correspondence address: Mobile No: Email ID:	M/s Sainik Industries Private Ltd. Flat no 201 &202, Vikash Plaza Building No 2, Local Shopping Centre Kalkaji, Delhi 110019 Fooedsianik2356@gmail.com
ii)	Name of Environmental Consultant Mobile No. Email ID	M/s. Overseas Min-Tech Consultants NABET Accredited EIA Consultants Certificate No. – NABET/EIA/1417/IA003 501, 5th Floor, Apex Tower, Tonk Road, Jaipur, Rajasthan Tel: 0141-2744509, E - mail : arun.omtc@gmail.com

### 1.0 Deliberations during the 195<sup>th</sup> meeting of SEAC held on 24.10.2020.

The project proponent submitted all the requisite documents as per the checklist of the mining case along with Form-02. The hard copy submitted by the project proponent was taken on record.

The case was considered by SEAC in its 195<sup>th</sup> meeting held on 24.10.2020. The meeting was attended by the following through Video Conference on behalf of the project proponent:

- (i) Sh. Deepak Kumar, Authorised signatory, on behalf of the project proponent.
- (ii) Sh. Arun Kumar Yadav, M/s Overseas Min Tech Consultants, Environmental consultant of the Project Proponent.

SEAC allowed the project proponent to present the salient features of the project and the Environment Consultant of the promoter company presented the same as under:

S.No	Item	Details
1.	Online Proposal No.	<b>SIA/PB/MIN/52167/2020</b>
2.	Project Name & Location	Village Kharkhara, District- Pathankot (Punjab)
3	Project/activity covered under item of scheduled to the EIA Notification, 14.09.2006	SI. No. 1(a) Mining of Minerals
4	Details of Mining Lease	
i)	Mineral (s) to be mined	Gravel
ii)	Capacity of Mine	The Proposed production Capacity 566583 TPA.
iii)	Mining Lease Area	Total area is 16.48 Ha

iv)	Details Letter of Intent (LOI)/E-Auction issued by the State Govt.		Reference No: 1073 Date of Issue: 22.7.2019 Validity of LOI: Three years
5	HadBast No.		80
6	Land Khasra No. & their consent details		
	Sr No	Type	Khasra No
	1	Govt Land	-
	2	Private Land	45//21,22,23,24,51//1,2,3,4,52//3,4,7,8,10,11,13,14,17,18,20,21/1,23,24,53//13,14,17,18,19,20,21,22,54//25,55//5,56//1,2,9,57//1,2,3,4,8,59,10, 11,12,20.
7.	Latitude & Longitude		
	<b>Pillar</b>	<b>Latitude(N)</b>	<b>Longitude(E)</b>
	<b>Block A</b>		
	1	32° 18' 14.3477"N	75°28' 42.4941 "E
	2	32°18' 16.6493"N	75°28' 39.3736"E
	3	32°18' 16. I 336"N	75°28' 38.7388"E
	4	32°18' 17.3215"N	75°28' 35.4103"E
	5	32° 18' 20.9843 "N	75°28' 38.7043" E
	6	32°18' 22. I 962"N	75°28' 42.6124" E
	7	32° 18' 23.0088"N	75°28' 42.2052" E
	8	32°18' 24.8114"N	75°28' 47.9451 "E
	9	32°18' 20.4258"N	75°28' 47.922" E
	10	32°18' 20.4453"N	75°28' 42.7936" E
	<b>Block -B</b>		
	1	30°18' 30.1667"N	75°29' 3.3592" E
	2	32°18' 30.1272"N	75°29' 13.6161" E
	3	32°18' 26.2074"N	75°29' 13.5952" E
	4	32°18' 26.2468"N	75°29' 3.3383" E
	<b>Block -C</b>		
	1	32°18' 28.2362"N	75°28' 55.656" E
	2	32°18' 28.2166"N	75°29' 0.7845" E
	3	32°18' 17.2196"N	75°29' 0.7261" E
	4	32°18' 10.7112"N	75°28' 50.4349" E
	5	32°18' 25.4901"N	75°28' 50.5129" E

	6	32°18' 26.0407"N	75°28' 51.8718" E		
	7	32°18' 26.4901"N	75°28' 50.5129" E		
	8	32°18' 26.2903"N	75°28' 51.9867" E		
	9	32°18' 26.2861"N	75°28' 53.0814" E		
	10	32°18' 18.4464"N	75°28' 53.5129" E		
	11	32°18' 18.4366"N	75°28' 55.6041" E		
8	Whether the project attracts the General Condition.		No		
9.	Does the project involves diversion of forest land.If yes, a. Extent of the forest land. b. Status of the forest clearance. If No, submit documentary proof		No		
10	Does the project fall within 10 km of eco-sensitive area/ National park/Wild Life Sanctuary? If yes, Status of NOC. If No, If No, submit documentary proof		No		
11.	Land requirement for the project		Prior to the project proposal		
			Sr No.	Ownership pattern	Area in Ha
			i)	Forest Land	Nil
			ii)	Private land	16.48
			iii)	Government land	Nil
			iv)	Revenue land	Nil
			v)	Other land	Nil
			vi)	Total land	16.48
			Present Land use Break Up		
			Sr No.	Land use	Area in Ha
			i)	Agriculture Area	16.48
			ii)	Waste/Barren Area	Nil
			iii)	Settlement	Nil
	iv)	Surface water Bodies	Nil		
	v)	Other( Specify)	----		
12.	Cost of the project		Rs. 50.0 Lac		
13.	Environmental Clearance. Fee details		PUNBH20202136396 Fee-8240		
14.	Details of Final District Survey Report		Approved by:- District Commissioner ,Pathankot		



		Reference No: M.O/Ptk/829 Date of Issue: 09.04.2018
15	Details of visit report of Sub Divisional Level Committee	Date of visit: -05.10.2020 Recommendation: suitable for mining
16	Details of Mining Plan	Approved by:- State Geologists Approval Letter No: Glg/Pb/M.P./2020/Kharkhra/181 Date of Approval: 14/02/2020. Approved Mining Lease Area: 16.48 Approved Mining Quantity: 5,66,583TPA Depth of Mining (m): 3 Meters
17	Demarcation report of mining site	Date of demarcation: 15.11.2019
18.	Workers (when fully operational)	65 Persons.
19.	Water Requirements & source	Domestic: 1.0 KLD Plantation: 1 KLD Dust Suppression: 2.00 KLD Total: 4.0 KLD Ground water/Others: Nil
20.	Waste water generation, Treatment & its Disposal	i) Quantity of Waste water: Nil (80% of water requirement) ii) Treatment Method: Septic Tank iii) Mode of Disposal: onto land for plantation
21	Solid waste generation and its disposal	Solid waste will be disposed as per Solid Waste Management Rules, 2016.
22.	Green Belt Development Plan including no. of trees to be planted & its species.	The comprehensive plan will be submitted at the time EC.
23.	Environment Management Plan along with Budgetary breakup and responsibility to implement	The comprehensive plan will be submitted at the time EC.
24	CER activities along with budgetary break up and responsibility to implement	The comprehensive plan will be submitted at the time EC.

SEAC asked the project proponent and his Environmental Consultant to clarify the following observations to which he replied as under: -

Sr. No.	Observations	Reply submitted by the project proponent and his Environmental Consultant
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1.	Khasra nos are not mentioned in the DSR submitted by the Project Proponent. Approved DSR mentioning all the Khasra nos is required to be submitted along with the EIA report.	Project proponent agreed to the same.
2.	Whether permission from DFO has been obtained?	Not obtained as the DFO approved the site in the Site Appraisal Committee report.
3.	Whether the report from Sub Divisional Committee has been obtained regarding suitability of the site for mining?	The project proponent Submitted a copy of Joint Inspection Report as per the provisions of SSMMG 2016.
4.	The project proponent is required to get the hydrogeological survey of the existing water level done and also required to submit the impact on the water level regime due to the project. This report is required to be submitted at the time of submission of the EIA report.	The project proponent agreed to the same.
5.	The project proponent is required to submit a report regarding the preservation of topsoil excavated during the mining process at the time of submission of the EIA report.	The project proponent agreed to the same.

SEAC was satisfied with the presentation and reply given to the observation. SEAC took a copy of the presentation along with a reply on record.

## **2.0 Recommendation of SEAC**

After deliberations, SEAC decided to forward the application of the project proponent to SEIAA with the recommendations to issue Terms of Reference for mining of minor minerals (Sand) on river bed located in the revenue estate of village Kharkhara, Tehsil Narot & District Pathankot, Punjab submitted by Sh. Rakesh Kumar Choudhary, as per **Annexure-III** of the proceedings and the following additional ToRs:

1. The project proponent shall submit the approved DSR endorsed by the DC, Rupnagar clearly mentioning the Khasra Numbers of the site at the time of submission of the EIA report.
2. The project proponent shall obtain permission from DFO for mining of the site.
3. The project proponent is required to get the hydrogeological survey of the existing water level done and to submit the impact on the water level regime due to the project. This report is required to be submitted at the time of submission of the EIA report.

4. The project proponent is required to submit a report regarding the preservation of topsoil excavated during the mining process at the time of submission of the EIA report.

### **3.0 Deliberations during the 174<sup>th</sup> meeting of SEIAA held on 31.10.2020**

The case was considered by SEIAA in its 174<sup>th</sup> meeting held on 31.10.2020 and was attended by the following on behalf of the project proponent:

- (i) Sh. Amit Kumar, Authorised signatory, on behalf of the project proponent.
- (ii) Sh. Sameer Singh, M/s Overseas Min Tech Consultants, Environmental consultant of the Project Proponent.

Before allowing the presentation to the environment consultant, to a query of SEIAA regarding the cluster formation, Environmental Consultant informed that mining site of Kharkhara of Distt. Pathankot at river ravi having HB No. 80 and area 16.48 Ha falls within the 500 m from the periphery of other mining lease area of village Chak Hari Rai & Gurgran Hence, all mines forms the Cluster.

After deliberations, the SEIAA decided to reject the application of ToRs submitted by the project proponent as the case of single site of a cluster cannot be considered by the SEIAA, where cluster formation is there.

**Item No: 174.22 Application for obtaining Terms of Reference under EIA notification dated 14.09.2006 for mining of Khmeda Gravel (Minor Mineral) Mining Project of M.L Area 13.88 ha. in River Sutlej at village Khmeda, Tehsil Nangal & District: Ropar (Rupnagar), Punjab submitted by Shri Rakesh Kumar Choudhary (Proposal No. SIA/PB/MIN/52845/2020)**

The project proponent has applied for obtaining Terms of Reference under EIA notification dated 14.09.2006 for mining of Khmeda Gravel (Minor Mineral) Mining Project of M.L Area 13.88 ha. in River Sutlej at Near village: Khmeda, Tehsil Nangal & District: Ropar (Rupnagar), Punjab. The project is covered under category 1 (a) of the Schedule appended to the said notification.

The project proponent submitted all the requisite documents as per the check list of mining case along with application form. The project proponent submitted a hard copy of the same, which was taken on record.

#### **(A) General**

i)	Name of Applicant & Correspondence address: Mobile No: Email ID:	SHRI RAKESH KUMAR CHOUDHARY, Address- 51B/D Gandhi Nagar, Jammu J & K +919419219028 rakeshtubes12@gmail.com
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ii)	Name of Environmental Consultant Mobile No. Email ID	M/s Overseas Min-Tech Consultants, Jaipur Rajasthan +919460221084 info@oveseasmintech.com,arunomtc@gmail.com
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### 1.0 Deliberations during the 195<sup>th</sup> meeting of SEAC held on 24.10.2020.

The case was considered by SEAC in its 195<sup>th</sup> meeting held on 24.10.2020. The meeting was attended by the following through Video Conference on behalf of the project proponent:

- (i) Sh. Amit Kumar, Authorised signatory, on behalf of the project proponent.
- (ii) Sh. Arun Kumar Yadav, M/s Overseas Min Tech Consultants, Environmental consultant of the Project Proponent.

SEAC allowed the project proponent to present the salient features of the project and the Environment consultant of the promoter company presented the same as under:

S.No	Item	Details
1.	Online Proposal No.	SIA/PB/MIN/52845/2020
2.	Project Name & Location	Khmeda Gravel (Minor Mineral) Mining Project of M.L Area 13.88 ha. in River Sutlej at Near village: Khmeda, Tehsil Nangal & District: Ropar (Rupnagar), Punjab
3	Project/activity covered under item of scheduled to the EIA Notification,14.09.2006	SI. No. 1(a) Mining of Minerals
4	Details of Mining Lease	
i)	Mineral (s) to be mined	Gravel
ii)	Capacity of Mine	The Proposed production Capacity 603448 TPA.
iii)	Mining Lease Area	Total area is 13.88 Ha
iv)	Details Letter of Intent (LOI)/E-Auction issued by the State Govt.	Reference No:811-813 Date of Issue:31.07.2019 Validity of LOI: Three years
5	HadBast No.	222
6	Land Khasra No. & their consent details	
	Sr No	Type
	1	Govt Land
		Khasra No
		12//17,12//18,12//23,12//24, 12//25/1, 31//3, 31//5/1, 31//55/2, 31//6/1, 31//6/3, 31//14,31//15,31//16,31//17, 31//24, 31//25, 32//5, 32//6, 33//1/1, 33//1/2, 33//10, 33//11,33//12,33//13/1,39//1,3 9//2/1,39//3, 39//4, 39//5, 39//6, 39//7,

"Proceedings of 174<sup>th</sup> meeting of SEIAA  
held on 31.10.2020"

			39//10, 39//11, 39//12,45//15, 45//16, 45//17, 45//18, 45//23, 45//24, 45//25, 46//4
	2	Private Land	-
7.	Latitude & Longitude		
	S.N.	Pillar	Latitude
	1	A	31°14' 51.7655"N
	2	B	31°14' 53.072"N
	3	C	31°14' 53.0437"N
	4	D	31°14' 53.6969"N
	5	E	31°14' 53.7535"N
	6	F	31°14' 57.6729"N
	7	G	31°14' 57.6863"N
	8	H	31°14' 55.7216"N
	9	I	31°14' 55.7414"N
	10	J	31°15' 3.5802"N
	11	K	31°15' 4.9984"N
	12	L	31°15' 11.4473"N
	13	M	31°15' 11.5009"N
	14	N	31°14' 55.63"N
	15	O	31°14' 51.8008"N
	Block-2		
	1	A	31°14' 56.2892"N
	2	B	31°14' 56.1457"N
	3	C	31°14' 52.4441"N
	4	D	31°14' 52.235"N
	5	E	31°14' 52.2838"N
	6	F	31°14' 54.2435"N
	7	G	31°14' 54.2721"N
	8	H	31°14' 55.9785"N
	9	I	31°14' 55.0629"N
	10	J	31°14' 52.3411"N
	11	K	31°14' 52.3125"N
	12	L	31°14' 50.3528"N
	13	M	31°14' 50.4101"N
	Block-3		
	1	A	31°14' 43.0284"N
	2	B	31°14' 43"N
	3	C	31°14' 37.1131"N
	4	D	31°14' 37.1492"N
	5	E	31°14' 35.1895"N
	6	F	31°14' 35.2075"N
	7	G	31°14' 37.1803"N
	8	H	31°14' 37.1803"N
	9	I	31°14' 39.2345"N
			Longitude
			76°25' 59.141"E
			76°25' 59.1607"E
			76°26' 1.6952"E
			76°26' 1.705"E
			76°25' 56.6361"E
			76°25' 56.6953"E
			76°25' 55.4914"E
			76°25' 55.9054"E
			76°25' 54.1312"E
			76°25' 54.2495"E
			76°25' 54.0174"E
			76°25' 51.8333"E
			76°25' 47.0175"E
			76°25' 52.3126"E
			76°25' 55.9729"E
			76°27' 9.9791"E
			76°27' 22.6514"E
			76°27' 22.5946"E
			76°27' 21.8309"E
			76°26' 16.7756"E
			76°27' 17.5525"E
			76°27' 15.018"E
			76°27' 15.0442"E
			76°27' 12.4952"E
			76°27' 12.4535"E
			76°27' 14.988"E
			76°27' 14.9579"E
			76°27' 9.8891"E
			76°26' 16.7756"E
			76°26' 19.31"E
			76°26' 19.2207"E
			76°26' 16.6865"E
			76°26' 16.6568"E
			76°26' 15.0499"E
			76°26' 13.9104"E
			76°26' 13.9104"E
			76°26' 14.1834"E

	10	J	31°14' 39.2579"N	76°26' 12.7127"E		
	11	K	31°14' 41.1253"N	76°26' 11.6772"E		
8	Whether the project attracts the General Condition.			No		
9.	Does the project involves diversion of forest land. If yes, a. Extent of the forest land. b. Status of the forest clearance. If No, submit documentary proof			No		
10	Does the project fall within 10 km of eco-sensitive area/ National park/Wild Life Sanctuary? If yes, Status of NOC. If No, If No, submit documentary proof			No		
11.	Land requirement for the project			Prior to the project proposal		
				Sr No.	Ownership pattern	Area in Ha
				i)	Forest Land	Nil
				ii)	Private land	Nil
				iii)	Government Waste land	13.88
				iv)	Revenue land	Nil
				v)	Other land	Nil
				vi)	Total land	13.88
				Present Land use Break Up		
				Sr No.	Land use	Area in Ha
	i)	Agriculture Area	Nil			
	ii)	Waste/Barren Area	13.88			
	iii)	Settlement	Nil			
	iv)	Surface water Bodies	Nil			
	v)	Other (Specify)	----			
12.	Cost of the project			Rs. 2,00,00,000 /-		
13.	ToR Fee details			Rs 6940/- Vide NEFT No JAKA200611393044		
14.	Details of Final District Survey Report			DC Ropar vide letter no. 1806 dated 22.10.2020 has written to Secretary, Department of Mines & Geology that the DSR sent by the District mining officer Rupnagar is in public domain (Environmentclearance.nic.in.) for the past four Months. Now the updated DSR of District Rupnagar is available on the website that is Rupnagar.nic.in.		

15	Details of visit report of Sub Divisional Level Committee as per SSMG guidelines 2016	Date of visit: -19.10.2020 Recommendation: suitable for mining
16	Details of Mining Plan	Approved by :- State Geologists Approval Letter No: Glg/Pb/M.P./2020/Khamedada/353 Date of Approval: 20.03.2020 Approved Mining Lease Area: 13.88 Ha Approved Mining Quantity: 603448 TPA Depth of Mining (m): 3 Meters
17	Demarcation report of mining site	Date of demarcation: 21.11.2019
18.	Workers (when fully operational)	18 Persons.
19.	Water Requirements & source	Domestic: 2.25 KLD (@ 20 lpcd) Plantation: 2.86 KLD Dust Suppression: 2.40 KLD Total: 7.51 KLD Ground water/Others: Nil
20.	Waste water generation, Treatment & its Disposal	i) Quantity of Waste water :Nil (80% of water requirement) ii) Treatment Method: Septic Tank iii) Mode of Disposal : a) Plantation purpose.: 0.25 KLD b) Any other purpose: Dust Suppression:2.40 KLD
21	Solid waste generation and its disposal	Solid waste will be disposed as per Solid Waste Management Rules, 2016.
22.	Green Belt Development Plan including no. of trees to be planted & its species.	The comprehensive plan will be submitted at the time EC.
23.	Environment Management Plan along with Budgetary breakup and responsibility to implement	The comprehensive plan will be submitted at the time EC.
24	CER activities along with budgetary break up and responsibility to implement	The comprehensive plan will be submitted at the time EC.

SEAC asked the project proponent and his Environmental Consultant to clarify the following observations to which he replied as under: -

Sr. No.	Observations	Reply submitted by the project proponent and his Environmental Consultant
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1.	Whether Final District Survey Report (DSR) has been approved?	The project proponent submitted the DSR and the copy of the noting put up to the DC office for approval. Also the project proponent submitted letter from the DC Rupnagar bearing no. 1806 dated 22.10.2020. As per said letter the DSR sent by the Executive Engineer - cum-District Mining Officer was in in public domain (Environmentclearance.nic.in.) for the past four Months. Now the updated DSR of District Rupnagar is available on the website that is Rupnagar.nic.in..
2.	Whether permission from DFO has been obtained?	Obtained vide letter no. 569 dated 15.06.2020 issued by DFO, Rupnagar.
3.	Whether the report from Sub Divisional Committee has been obtained regarding suitability of the site for mining?	The project proponent Submitted a copy of Joint Inspection Report as per the provisions of SSMMG 2016.
4.	The project proponent is required to get the hydrogeological survey of the existing water level done and also required to submit the impact on the water level regime due to the project. This report is required to be submitted at the time of submission of the EIA report.	The project proponent agreed to the same.
5.	The project proponent is required to submit a report regarding the preservation of topsoil excavated during the mining process at the time of submission of the EIA report.	The project proponent agreed to the same.

## 2.0 Recommendation of SEAC

After deliberations, SEAC decided to forward the application of the project proponent to SEIAA with the recommendations to issue Terms of Reference for mining of minor minerals (Sand) on river bed located in the revenue estate of village Khmeda, Tehsil Nangal, District Rupnagar, Punjab submitted by Sh. Rakesh Kumar Choudhary, as per **Annexure-III** of the proceedings and the following additional ToRs:

1. The project proponent shall submit the approved DSR endorsed by the DC, Rupnagar clearly mentioning the Khasra Numbers of the site at the time of submission of the EIA report.
2. The project proponent is required to get the hydrogeological survey of the existing water level done and to submit the impact on the water level regime due to the



project. This report is required to be submitted at the time of submission of the EIA report.

3. The project proponent is required to submit a report regarding the preservation of topsoil excavated during the mining process at the time of submission of the EIA report.

### **3.0 Deliberations during the 174<sup>th</sup> meeting of SEIAA held on 31.10.2020**

The case was considered by SEIAA in its 174<sup>th</sup> meeting held on 31.10.2020 and was attended by the following on behalf of the project proponent:

- (i) Sh. Amit Kumar, Authorised signatory, on behalf of the project proponent.
- (ii) Sh. Sameer Singh, M/s Overseas Min Tech Consultants, Environmental consultant of the Project Proponent.

Environmental consultant of the promoter company presented the salient features of the project before SEIAA. A copy of the presentation was also submitted which was taken on record.

To a query of SEIAA regarding the NOC from the Forest Deptt., Environmental Consultant informed that DFO, Roop Nagar vide letter No. 569 dt. 15.06.2020 reported that Khasra No. of the mining site does not fall u/s 4-5 of PLPA and no Govt. land abuts with the mining site. A copy of the said letter was taken on the record by SEIAA.

To another query of SEIAA regarding the cluster formation, Environmental Consultant, submitted a copy of certificate issued by the Executive Engineer-cum-District Mining Officer to the effect that no other effective mining lease falls within 500 m periphery from the mining site. A copy of the said certificate was taken on record.

After detailed deliberations, SEIAA decided to accept the recommendations of SEAC and issue TORs as proposed by SEAC with the following additional TORs:-

#### **Additional TORs:**

- i) Submit the transportation route map away from the habitation area.
- ii) Submit proper certificate regarding the cluster formation issued by the concerned Executive Engineer of the Mining Department.
- iii) Examine the impact of the mining activity on the near-by villages and suggest the controlled measure to mitigate the identified adverse impacts on the villages.
- iv) Submit the distance of the mining site from the protected areas notified under the Wild Life (Protection), Act-1972.
- v) Examine the mining area falling under the instream of river Satluj.
- vi) Submit the ownership details of the mining site.

**Item No: 174.23 Application for obtaining Terms of Reference under EIA notification dated 14.09.2006 for mining of minor minerals on river bed of river Soan in village Mahindpur, Tehsil Nangal District Ropar, Punjab submitted by Rakesh Kumar Choudhary (Proposal No. SIA/PB/MIN/52850/2020)**

The project proponent has applied for obtaining Terms of Reference under EIA notification dated 14.09.2006 for mining of minor minerals (Sand) from river bed of river Sutlej in **village Mahindpur, Tehsil Nangal District Ropar** on 03.07.2020. The project is covered under category 1 (a) of the Schedule appended to the said notification.

The project proponent submitted all the requisite documents as per the check list of mining case along with Form-02. The project proponent submitted a hard copy of the same, which was taken on record.

**(A) General**

i)	Name of Applicant & Correspondence address: Mobile No: Email ID:	<b>SH. Rakesh Kumar Choudhary</b> Address- 51B/D Gandhi Nagar, Jammu J & K Mobile No.--+91-9419219028 E-Mail-rakeshtubes12@gmail.com
ii)	Name of Environmental Consultant Mobile No. Email ID	M/s. Overseas Min-Tech Consultants Certificate No. – NABET/EIA/1417/IA003 E - mail : arun.omtc@gmail.com NABET Updated list S. No. – 120

**1.0 Deliberations during the 195<sup>th</sup> meeting of SEAC held on 24.10.2020.**

The project proponent submitted all the requisite documents as per the checklist of the mining case along with Form-02. The hard copy submitted by the project proponent was taken on record.

The case was considered by SEAC in its 195<sup>th</sup> meeting held on 24.10.2020. The meeting was attended by the following through Video Conference on behalf of the project proponent:

- (i) Sh. Amit Kumar, Authorised signatory, on behalf of the project proponent.
- (ii) Sh. Arun Kumar Yadav, M/s Overseas Min Tech Consultants, Environmental consultant of the Project Proponent.

SEAC allowed the project proponent to present the salient features of the project and the Environment consultant of the promoter company presented the same as under:

S.No	Item	Details
1.	Online Proposal No.	SIA/PB/MIN/52850/2020
2.	Project Name & Location	village Mahindpur, Tehsil Nangal District Ropar
3	Project/activity covered under item of scheduled to the EIA	SI. No. 1(a) Mining of Minerals

	Notification,14.09.2006		
4	Details of Mining Lease		
v)	Mineral (s) to be mined	Gravel	
vi)	Capacity of Mine	The Proposed production Capacity 63991MT/Annum.	
vii)	Mining Lease Area	Total area is 8.86 Ha	
viii)	Details Letter of Intent (LOI)/E-Auction issued by the State Govt.	Reference No: 811-813/ DMG /E-Auction/Mahindpur/Block-1 Date of Issue: 29/07/2019 Validity of LOI: Na Mining Lease Area: 8.86 Ha. Mining Quantity: 63991 MT/annum	
5	HadBast No.	478	
6	Land Khasra No. & their consent details		
	Sr No	Type	Khasra No
	1	Govt Land	
	2	Private Land	253//1, 253//2/1, 253//2/2, 253//3, 253//4, 253//7, 253//8, 253//9, 253//10, 253//11, 253//12, 253//13, 253//14/2, 253//15, 253//16, 253//17, 253//18, 253//23, 253//24, 253//25, 260//3, 260//4, 260//5, 260//7, 260//8
7.	Latitude & Longitude		
	S.No.	Latitude	Longitude
	<b>A</b>	31°18' 54.1687"N	76°19' 11.0611"E
	<b>B</b>	31°18' 55.6974"N	76°19' 21.2294"E
	<b>C</b>	31°18' 51.7779"N	76°19' 21.1746"E
	<b>D</b>	31°18' 51.7517"N	76°19' 23.711"E
	<b>E</b>	31°18' 44.4026"N	76°19' 23.6082"E
	<b>F</b>	31°18' 44.4287"N	76°19' 21.0719"E
	<b>G</b>	31°18' 42.85"N	76°19' 21.0499"E
	<b>H</b>	31°18' 41.243"N	76°19' 18.4908"E
	<b>I</b>	31°18' 42.0051"N	76°19' 18.5014"E
	<b>J</b>	31°18' 42.0312"N	76°19' 15.9651"E
	<b>K</b>	31°18' 49.8703"N	76°19' 16.0746"E
	<b>L</b>	31°18' 49.9225"N	76°19' 11.0019"E
8	Whether the project attracts the General Condition.	No	

9.	Does the project involves diversion of forest land.If yes, a. Extent of the forest land. b. Status of the forest clearance. If No, submit documentary proof	No		
10	Does the project fall within 10 km of eco-sensitive area/ National park/Wild Life Sanctuary? If yes, Status of NOC. If No, If No, submit documentary proof	No		
11.	Land requirement for the project	Prior to the project proposal		
		Sr No.	Ownership pattern	Area in Ha
		i)	Forest Land	Nil
		ii)	Private land	8.86
		iii)	Government land	Nil
		iv)	Revenue land	Nil
		v)	Other land	Nil
		vi)	Total land	<b>8.86</b>
		Present Land use Break Up		
		Sr No.	Land use	Area in Ha
		i)	Agriculture Area	8.86
		ii)	Waste/Barren Area	Nil
		iii)	Settlement	Nil
iv)	Surface water Bodies	Nil		
v)	Other( Specify)	----		
12.	Cost of the project	Rs. 1.0 Crore		
13.	Environmental Clearance. Fee details	-		
14.	Details of Final District Survey Report	DC Ropar vide letter no. 1806 dated 22.10.2020 has written to Secretary, Department of Mines & Geology that the DSR sent by the District mining officer Rupnagar is in public domain (Environmentclearance.nic.in.) for the past four Months. Now the updated DSR of District Rupnagar is available on the website that is Rupnagar.nic.in.		
15	Details of visit report of Sub Divisional Level Committee as per SSMG guidelines 2016	Date of visit: -19.10.2020 Recommendation: suitable for mining		

16	Details of Mining Plan	Approved by :- State Geologists Approval Letter No: Glg/Pb/M.P./2020/Mahindpur/338 Date of Approval: 20.03.2020. Approved Mining Lease Area: 8.86 Ha Approved Mining Quantity: 63991 MT/annum Depth of Mining (m): 3 Meters
17	Demarcation report of mining site	Date of demarcation:28.11.2019
18.	Workers (when fully operational)	90 Persons.
19.	Water Requirements & source	Domestic: 2.25 KLD Plantation: 1.82 KLD Dust Suppression: 2.40 KLD Total: 6.47 KLD Ground water/Others: Nil
20.	Waste water generation, Treatment & its Disposal	i) Quantity of Waste water :Nil (80% of water requirement) ii) Treatment Method: Septic Tank iii) Mode of Disposal : onto land for plantation
21	Solid waste generation and its disposal	Solid waste will be disposed as per Solid Waste Management Rules, 2016.
22.	Green Belt Development Plan including no. of trees to be planted & its species.	ToR case
23.	Environment Management Plan along with Budgetary breakup and responsibility to implement	The comprehensive plan will be submitted at the time EC.
24	CER activities along with budgetary break up and responsibility to implement The comprehensive plan will be submitted at the time EC.	

SEAC asked the project proponent and his Environmental Consultant to clarify the following observations to which he replied as under: -

<b>Sr. No.</b>	<b>Observations</b>	<b>Reply submitted by the project proponent and his Environmental Consultant</b>
1.	Whether Final District Survey Report (DSR) has been approved?	The project proponent submitted the DSR and the copy of the noting put up to the DC office for approval. Also the project proponent submitted letter from the DC Rupnagar bearing no. 1806 dated 22.10.2020. As per said letter the DSR sent by the Executive Engineer - cum-

		District Mining Officer was in in public domain (Environmentclearance.nic.in.) for the past four Months. Now the updated DSR of District Rupnagar is available on the website that is Rupnagar.nic.in..
2.	Whether permission from DFO has been obtained?	Obtained permission from DFO, Rupnagar vide no. 569 dated 15.06.2020. issued by DFO, Rupnagar.
3.	Whether the report from Sub Divisional Committee has been obtained regarding suitability of the site for mining?	The project proponent Submitted a copy of Joint Inspection Report as per the provisions of SSMMG 2016.
4.	The project proponent is required to get the hydrogeological survey of the existing water level done and also required to submit the impact on the water level regime due to the project. This report is required to be submitted at the time of submission of the EIA report.	The project proponent agreed to the same.
5.	The project proponent is required to submit a report regarding the preservation of topsoil excavated during the mining process at the time of submission of the EIA report.	The project proponent agreed to the same.

## 2.0 Recommendation of SEAC

After deliberations, SEAC decided to forward the application of the project proponent to SEIAA with the recommendations to issue Terms of Reference for mining of minor minerals (Sand) on river bed located in the revenue estate of village Mahindpur, Tehsil Nangal, District Rupnagar, Punjab submitted by Sh. Rakesh Kumar Choudhary, as per Annexure-III of the proceedings and the following additional ToRs:

1. The project proponent shall submit the approved DSR endorsed by the DC, Rupnagar clearly mentioning the Khasra Numbers of the site at the time of submission of the EIA report.
2. The project proponent is required to get the hydrogeological survey of the existing water level done and to submit the impact on the water level regime due to the project. This report is required to be submitted at the time of submission of the EIA report.
3. The project proponent is required to submit a report regarding the preservation of topsoil excavated during the mining process at the time of submission of the EIA report.

### **3.0 Deliberations during the 174<sup>th</sup> meeting of SEIAA held on 31.10.2020**

The case was considered by SEIAA in its 174<sup>th</sup> meeting held on 31.10.2020 and was attended by the following on behalf of the project proponent:

- (i) Sh. Amit Kumar, Authorised signatory, on behalf of the project proponent.
- (ii) Sh. Sameer Singh, M/s Overseas Min Tech Consultants, Environmental consultant of the Project Proponent.

Environmental consultant of the promoter company presented the salient features of the project before SEIAA. A copy of the presentation was also submitted which was taken on record.

To a query of SEIAA regarding the NOC from the Forest Deptt., Environmental Consultant informed that DFO, Roop Nagar vide letter No. 569 dt. 15.06.2020 reported that Khasra No. of the mining site does not fall u/s 4-5 of PLPA and no Govt. land abuts with the mining site. A copy of the said letter was taken on the record by SEIAA.

To another query of SEIAA regarding the cluster formation, Environmental Consultant, submitted a copy of certificate issued by the Executive Engineer-cum-District Mining Officer to the effect that no other effective mining lease falls within 500 m periphery from the mining site. A copy of the said certificate was taken on record.

After detailed deliberations, SEIAA decided to accept the recommendations of SEAC and issue TORs as proposed by SEAC with the following additional TORs:-

#### **Additional TORs:**

- i) Submit the transportation route away from the habitation area.
- ii) Submit proper certificate regarding the cluster formation issued by the concerned Executive Engineer of the Mining Department.
- iii) Examine the impact of the mining activity on the near-by villages and suggest the controlled measure to mitigate the identified adverse impacts on the villages.
- iv) Submit the distance of the mining site from the protected areas notified under the Wild Life (Protection), Act-1972.
- v) Examine the mining area falling under the instream of river Satluj.
- vi) Submit the ownership details of the mining site.

#### **Item No: 174.24 Application for obtaining Terms of Reference under EIA notification dated 14.09.2006 for mining of minor minerals On River Bed of river Sutlej in the village Mehain, Tehsil- Anandpur Sahib, District- Ropar (Rupnagar), Punjab submitted by Rakesh Kumar Choudhary (Proposal No. SIA/PB/MIN/52848/2020).**

SEAC observed as under:-

The project proponent has applied for obtaining Terms Of Reference under EIA notification dated 14.09.2006 for mining of minor minerals (Sand) from River Bed of river Sutlej in the revenue estate of Mehain Gravel Mine (Minor Mineral) Mining project, Village –Mehain, Name of River – Sutlej River, Tehsil- Anandpur Sahib, District- Ropar

(Rupnagar), State- Punjab on 03.07.2020. The project is covered under category 1 (a) of the Schedule appended to the said notification.

The project proponent submitted all the requisite documents as per the check list of mining case along with Form-02. The project proponent submitted a hard copy of the same, which was taken on record.

### (A) General

i)	Name of Applicant & Correspondence address: Mobile No: Email ID:	Rakesh Kumar Choudhary Address-51B/D Gandhi Nagar, Jammu J & K <a href="mailto:rakeshgravelmine@gmail.com">rakeshgravelmine@gmail.com</a>
ii)	Name of Environmental Consultant Mobile No. Email ID	Overseas Min-Tech Consultants, Jaipur 9460221084 arun.omtc@gmail.com

### 1.0 Deliberations during the 195<sup>th</sup> meeting of SEAC held on 24.10.2020.

The case was considered by SEAC in its 195<sup>th</sup> meeting held on 24.10.2020. The meeting was attended by the following through Video Conference on behalf of the project proponent:

- (i) Sh. Amit Kumar, Authorised signatory, on behalf of the project proponent.
- (ii) Sh. Arun Kumar Yadav, M/s Overseas Min Tech Consultants, Environmental consultant of the Project Proponent.

SEAC allowed the project proponent to present the salient features of the project and the Environment consultant of the promoter company presented the same as under:

S.No	Item	Details
1.	Online Proposal No.	SIA/PB/MIN/ 52848/2020
2.	Project Name & Location	Mehain Gravel Mine (Minor Mineral) Mining Project
3	Project/activity covered under item of scheduled to the EIA Notification,14.09.2006	SI. No. 1(a) Mining of Minerals
4	Details of Mining Lease	
i)	Mineral (s) to be mined	Sand
ii)	Capacity of Mine	The Proposed production Capacity 3,31,537 TPA.
iii)	Mining Lease Area	Total area is 22.47 Ha
iv)	Details Letter of Intent (LOI)/E-Auction issued by the State Govt.	Reference No:811-813 Date of Issue:29.07.2019 Validity of LOI: Three years



"Proceedings of 174<sup>th</sup> meeting of SEIAA  
held on 31.10.2020"

		Mining Lease Area: 22.47 Ha. Mining Quantity: 3,31,537 TPA		
5	HadBast No.	358		
6	Land Khasra No. & their consent details			
	Sr No	Type	Khasra No	
	1	Govt Land		
	2	Private Land	62/1, 63, 14//3, 14//4, 14//8, 14//13, 14//14, 14//17, 14//18, 15//5/1, 15//5/2, 15//19, 15//22, 16//6, 16//15, 17//2/2, 17//2/2, 17//7, 17//11, 17//13, 17//4, 17//15, 17//16, 17//17, 17//18, 17//19, 17//20, 17//24, 17//25, 18//4,18//5, 18//6, 18//7, 18//18, 18//12, 18//13, 18//14.	
7.	Latitude & Longitude			
	Sr. No.	Pillar	Latitude	Longitude
	1	A	31°15' 56.0035"N	76°25' 39.6377"E
	2	B	31°15' 53.343"N	76°25' 42.4297"E
	3	C	31°15' 46.514"N	76°25' 34.721"E
	4	D	31°15' 46.4592"N	76°25' 39.664"E
	5	E	31°15' 44.4994"N	76°25' 39.6345"E
	6	F	31°15' 44.5262"N	76°25' 37.2264"E
	7	G	31°15' 42.5665"N	76°25' 37.1969"E
	8	H	31°15' 42.5397"N	76°25' 39.6049"E
	9	I	31°15' 36.631"N	76°25' 42.178"E
	10	J	31°15' 32.9294"N	76°25' 42.1222"E
	11	K	31°15' 32.9575"N	76°25' 39.5874"E
	12	L	31°15' 30.7801"N	76°25' 39.5547"E
	13	M	31°15' 30.8082"N	76°25' 37.0199"E
	14	N	31°15' 28.8485"N	76°25' 36.9904"E
	15	O	31°15' 28.8767"N	76°25' 34.4557"E
	16	P	31°15' 30.8364"N	76°25' 34.4852"E
	17	Q	31°15' 30.8926"N	76°25' 29.4157"E
	18	R	31°15' 26.9732"N	76°25' 29.3568"E
	19	S	31°15' 31.4838"N	76°25' 13.381"E
	20	T	31°15' 35.3334"N	76°25' 16.8064"E
	21	U	31°15' 32.9927"N	76°25' 16.7713"E
	22	V	31°15' 32.7293"N	76°25' 37.0488"E
	23	W	31°15' 32.8302"N	76°25' 37.0503"E
	24	X	31°15' 32.8274"N	76°25' 36.212"E
	25	Y	31°15' 36.6874"N	76°25' 37.1084"E

	26	Z	31°15' 36.7717"N	76°25' 29.504"E																																							
	27	A'	31°15' 44.6106"N	76°25' 29.6218"E																																							
	28	B'	31°15' 44.6387"N	76°25' 27.087"E																																							
	Block-2																																										
	1	A	31°15' 40.4256"N	76°25' 21.9532"E																																							
	2	B	31°15' 34.982"N	76°25' 21.8715"E																																							
	3	C	31°15' 34.9258"N	76°25' 26.9411"E																																							
	4	D	31°15' 33.0398"N	76°25' 26.9128"E																																							
	5	E	31°15' 33.0855"N	76°25' 19.3079"E																																							
	6	F	31°15' 36.9697"N	76°25' 19.3662"E																																							
	7	G	31°15' 38.2218"N	76°25' 19.3849"E																																							
8	Whether the project attracts the General Condition.			No																																							
9.	Does the project involves diversion of forest land.If yes, a. Extent of the forest land. b. Status of the forest clearance. If No, submit documentary proof			No																																							
10	Does the project fall within 10 km of eco-sensitive area/ National park/Wild Life Sanctuary? If yes, Status of NOC. If No, If No, submit documentary proof			No																																							
11.	Land requirement for the project			<p>Prior to the project proposal</p> <table border="1"> <thead> <tr> <th>Sr No.</th> <th>Ownership pattern</th> <th>Area in Ha</th> </tr> </thead> <tbody> <tr> <td>i)</td> <td>Forest Land</td> <td>Nil</td> </tr> <tr> <td>ii)</td> <td>Private land</td> <td>22.47</td> </tr> <tr> <td>iii)</td> <td>Government land</td> <td>Nil</td> </tr> <tr> <td>iv)</td> <td>Revenue land</td> <td>Nil</td> </tr> <tr> <td>v)</td> <td>Other land</td> <td>Nil</td> </tr> <tr> <td>vi)</td> <td>Total land</td> <td>22.47</td> </tr> </tbody> </table> <p>Present Land use Break Up</p> <table border="1"> <thead> <tr> <th>Sr No.</th> <th>Land use</th> <th>Area in Ha</th> </tr> </thead> <tbody> <tr> <td>i)</td> <td>Agriculture Area</td> <td>22.47</td> </tr> <tr> <td>ii)</td> <td>Waste/Barren Area</td> <td>Nil</td> </tr> <tr> <td>iii)</td> <td>Settlement</td> <td>Nil</td> </tr> <tr> <td>iv)</td> <td>Surface water Bodies</td> <td>Nil</td> </tr> <tr> <td>v)</td> <td>Other(Specify)</td> <td>----</td> </tr> </tbody> </table>	Sr No.	Ownership pattern	Area in Ha	i)	Forest Land	Nil	ii)	Private land	22.47	iii)	Government land	Nil	iv)	Revenue land	Nil	v)	Other land	Nil	vi)	Total land	22.47	Sr No.	Land use	Area in Ha	i)	Agriculture Area	22.47	ii)	Waste/Barren Area	Nil	iii)	Settlement	Nil	iv)	Surface water Bodies	Nil	v)	Other(Specify)	----
Sr No.	Ownership pattern	Area in Ha																																									
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iii)	Settlement	Nil																																									
iv)	Surface water Bodies	Nil																																									
v)	Other(Specify)	----																																									
12.	Cost of the project			Rs. 4.0 Crore /-																																							

"Proceedings of 174<sup>th</sup> meeting of SEIAA  
held on 31.10.2020"

13.	ToR Fee details	Rs 11,235/- Vide NEFT No JAKA200611392725 dated 11.06.2020
14.	Details of Final District Survey Report	DC Ropar vide letter no. 1806 dated 22.10.2020 has written to Secretary, Department of Mines & Geology that the DSR sent by the District mining officer Rupnagar is in public domain (Environmentclearance.nic.in.) for the past four Months. Now the updated DSR of District Rupnagar is available on the website that is Rupnagar.nic.in.
15	Details of visit report of Sub Divisional Level Committee as per SSMG guidelines 2016	Date of visit: -19.10.2020 Recommendation: suitable for mining
16	Details of Mining Plan	Approved by :- State Geologists Approval Letter No:Glg/Pb/M.P./2020/Mehain/34 Date of Approval: 20.03.2020 Approved Mining Lease Area: 22.47 Ha Approved Mining Quantity: 3,31,537 TPA Depth of Mining (m): 3 Meters
17	Demarcation report of mining site	Date of demarcation:14.11.2019
18.	Workers (when fully operational)	90 Persons.
19.	Water Requirements & source	Domestic: 0.88 Plantation: 3.2 KLD Dust Suppression: 5.5 KLD Total: 9.58 KLD Ground water/Others: Nil
20.	Waste water generation, Treatment & its Disposal	i) Quantity of Waste water :Nil (80% of water requirement) ii) Treatment Method: Septic Tank iii) Mode of Disposal : a) Plantation purpose.: 0.25 KLD b) Any other purpose: Dust Suppression:6.15 KLD
21	Solid waste generation and its disposal	Solid waste will be disposed as per Solid Waste Management Rules, 2016.
22.	Green Belt Development Plan including no. of trees to be planted & its species.	Tree cutting ( if any ) : Nil The comprehensive plantation plan will be submitted at the time EC.
23.	Environment Management Plan along with Budgetary breakup and responsibility to implement	The comprehensive plan will be submitted at the time EC.
24	CER activities along with budgetary break up and responsibility to implement	

	The comprehensive plantation plan will be submitted at the time EC.
--	---

SEAC asked the project proponent and his Environmental Consultant to clarify the following observations to which he replied as under: -

Sr. No.	Observations	Reply submitted by the project proponent and his Environmental Consultant
1.	Whether Final District Survey Report (DSR) has been approved?	The project proponent submitted the DSR and the copy of the noting put up to the DC office for approval. Also the project proponent submitted letter from the DC Rupnagar bearing no. 1806 dated 22.10.2020. As per said letter the DSR sent by the Executive Engineer - cum-District Mining Officer was in in public domain (Environmentclearance.nic.in.) for the past four Months. Now the updated DSR of District Rupnagar is available on the website that is Rupnagar.nic.in..
2.	Whether permission from DFO has been obtained?	Obtained vide letter no. 569 dated 15.06.2020 issued by DFO, Rupnagar
3.	Whether the report from Sub Divisional Committee has been obtained regarding suitability of the site for mining?	The project proponent Submitted a copy of Joint Inspection Report as per the provisions of SSMMG 2016.
4.	The project proponent is required to get the hydrogeological survey of the existing water level done and also required to submit the impact on the water level regime due to the project. This report is required to be submitted at the time of submission of the EIA report.	The project proponent agreed to the same.
5.	The project proponent is required to submit a report regarding the preservation of topsoil excavated during the mining process at the time of submission of the EIA report.	The project proponent agreed to the same.

SEAC was satisfied with the presentation and reply given to the observation. SEAC took a copy of the presentation along with a reply on record.

## **2.0 Recommendation of SEAC**

After deliberations, SEAC decided to forward the application of the project proponent to SEIAA with the recommendations to issue Terms of Reference for mining of minor minerals (Sand) on river bed located in the revenue estate of village Mehain, Tehsil Anandpur Sahib, District Rupnagar, Punjab submitted by Sh. Rakesh Kumar Choudhary, as per Annexure-III of the proceedings and the following additional ToRs:

1. The project proponent shall submit the approved DSR endorsed by the DC, Rupnagar clearly mentioning the Khasra Numbers of the site at the time of submission of the EIA report.
2. The project proponent is required to get the hydrogeological survey of the existing water level done and to submit the impact on the water level regime due to the project. This report is required to be submitted at the time of submission of the EIA report.
3. The project proponent is required to submit a report regarding the preservation of topsoil excavated during the mining process at the time of submission of the EIA report.

### **3.0 Deliberations during the 174<sup>th</sup> meeting of SEIAA held on 31.10.2020**

The case was considered by SEIAA in its 174<sup>th</sup> meeting held on 31.10.2020 and was attended by the following on behalf of the project proponent:

- (i) Sh. Amit Kumar, Authorised signatory, on behalf of the project proponent.
- (ii) Sh. Sameer Singh, M/s Overseas Min Tech Consultants, Environmental consultant of the Project Proponent.

Environmental consultant of the promoter company presented the salient features of the project before SEIAA. A copy of the presentation was also submitted which was taken on record.

To a query of SEIAA regarding the NOC from the Forest Deptt., Environmental Consultant informed that DFO, Roop Nagar vide letter No. 569 dt. 15.06.2020 reported that Khasra No. of the mining site does not fall u/s 4-5 of PLPA and no Govt. land abuts with the mining site. A copy of the said letter was taken on the record by SEIAA.

To another query of SEIAA regarding the cluster formation, Environmental Consultant, submitted a copy of certificate issued by the Executive Engineer-cum-District Mining Officer to the effect that no other effective mining lease falls within 500 m periphery from the mining site. A copy of the said certificate was taken on record.

After detailed deliberations, SEIAA decided to accept the recommendations of SEAC and issue TORs as proposed by SEAC with the following additional TORs:-

#### **Additional TORs:**

- i) Submit the transportation route map away from the habitation area.

- ii) Submit proper certificate regarding the cluster formation issued by the concerned Executive Engineer of the Mining Department.
- iii) Examine the impact of the mining activity on the near-by villages and suggest the controlled measure to mitigate the identified adverse impacts on the villages.
- iv) Submit the distance of the mining site from the protected areas notified under the Wild Life (Protection), Act-1972.
- v) Examine the mining area falling under the instream of river Satluj.
- vi) Submit the ownership details of the mining site.

**Item No: 174.25 Application for obtaining environmental clearance under EIA notification dated 14.09.2006 for mining of minor minerals Gravel on Agricultural Land in the village Sariana-1 & sariana, Tehsil Hoshiarpur & District Hoshiarpur, Punjab submitted by M/S Prime Vision Industries Private Limited (Proposal No. SIA/PB/MIN/180150/2020)**

SEAC observed as under:

**M/s Prime Vision Industries Private Limited** has applied for obtaining Environmental Clearance under EIA notification dated 14.09.2006 for mining of minor minerals Gravel from Agricultural land in the revenue estate of **village Sariana-1 & sariana, Tehsil Hoshiarpur & District Hoshiarpur, Punjab** on 12.07.2020. The project is covered under category B2 of the Schedule appended to the said Notification.

Further, on the basis of scrutiny of application, EDS were raised by SEIAA to which project proponent replied. The project proponent submitted all the requisite documents as per the check list of mining case along with Form-02. SEAC accepted the case online on 12.7.2020. The project proponent submitted a hard copy of the same, which was taken on record.

**(A) General**

i)	Name of Applicant & Correspondence address:  Mobile No: Email ID:	<b>M/S Prime Vision Industries Private Limited</b> 312 Third Floor, Vishal Chamber P-1, Sector-18, Noida, Distt. Gautam Budh Nagar, Uttar Pradesh , 9460228410
ii)	Name of Environmental Consultant Mobile No. Email ID	Overseas Min Tech Consultants) 9460221084 arun.omtc@gmail.com

**1.0 Deliberations during the 195<sup>th</sup> meeting of SEAC held on 24.10.2020.**

The case was considered by SEAC in its 195<sup>th</sup> meeting held on 24.10.2020. The meeting was attended by the following through Video Conference on behalf of the project proponent:

- (i) Sh. Harkesh Singh, Authorised signatory, on behalf of the project proponent.
- (ii) Sh. Arun Kumar Yadav, EIA Coordinator M/s OVerseac Min-Tech Consultant Jaipur.

SEAC allowed the project proponent to present the salient features of the project and the Environment Consultant of the promoter company presented the same as under:

Sr. No.	Item	Details
1.	Online Proposal No.	<b>SIA/PB/MIN/180150/2020)</b>
2.	Project Name & Location	Sariana-1 & sariana Gravel Mining Project At Hadbast No-349, Village– Sariana-1 & sariana, District- Hoshiarpur, State- Punjab.
3	Project/activity covered under item of scheduled to the EIA Notification,14.09.20 06	1(a) mining of minor mineral
4	Details of Mining Lease	
i)	Mineral (s) to be mined	Gravel
ii)	Capacity of Mine	Sariana-1 - 22008.83MT/Year , sariana- 30631.51MT/Annum.
iii)	Mining Lease Area	Sariana-1 - 1.62 Ha, sariana-2.43 Ha
iv)	Details Letter of Intent (LOI)/E- Auction issued by the State Govt.	ReferenceNo:2177-80/DMG/E- auction/Sariana/Block-4/ Dated- 29/07/2019 (Sariana) (Punjab). Date of Issue: 29/07/2019 Validity of LOI: 3 year Mining Lease Area: 4.05 Ha. Mining Quantity: Sariana-1 - 22008.83MT/Year , sariana- 30631.51MT/Annum.
5	HadBast No.	349
6	Land Khasra No. & their consent details	
	Sr No	Type
	1	Govt Land
	2	Private Land
		Khasra No
		Sariana-1 62//25(8-0),80//1(8-0),81//5(8-0),63//21/(4-0),21/2(4-0).

			Sariana- 64//18(8-0)19(8-0), 20(8-0), 21(8-0), 22(8-0), 23(8-0).	
7.	Latitude & Longitude			
	<b>Sariana -1</b>			
	Sr. No.	Pillar	Latitude	Longitude
	1	A	32° 0'5.88.5"N	75°43'18.1835"E
	2	B	32° 0'9.8004"N	75°43'18.2142"E
	3	C	32° 0'9.8294"N	75°43'13.103"E
	4	D	32° 0'5.9095"N	75°43'13.0723"E
	<b>Sariana</b>			
	<b>Sr. No.</b>	<b>Pillar</b>	<b>Latitude</b>	<b>Longitude</b>
	1	A	32°00' 05.7006"N	75°43' 18.0395"E
	2	B	32°00' 09.7027"N	75°43' 16.0876"E
	3	C	32°00' 11.6164"N	75°43' 23.4290"E
	4	D	32°00' 06.7736"N	75°43' 23.5713"E
8	Whether the project attracts the General Condition.	No		
9.	Does the project involves diversion of forest land.If yes, a. Extent of the forest land. b. Status of the forest clearance. If No, submit documentary proof	No. The project proponent has obtained certificate from DFO Hoshiarpur vide letter No 542 dated 22.06.2020.		
10	Does the project fall within 10 km of eco-sensitive area/ National park/Wild Life Sanctuary?	No. No any important or sensitive for ecological reasons - Wetlands, watercourses or other water bodies, coastal zone, biospheres, mountains, forests within 15 km radius.		



	If yes, Status of NOC. If No, If No, submit documentary proof																						
11.	Land requirement for the project	Prior to the project proposal																					
		<table border="1"> <thead> <tr> <th>Sr No.</th> <th>Ownership pattern</th> <th>Area in Ha</th> </tr> </thead> <tbody> <tr> <td>i)</td> <td>Forest Land</td> <td>Nil</td> </tr> <tr> <td>ii)</td> <td>Private land</td> <td>1.62+2.43=4.05</td> </tr> <tr> <td>iii)</td> <td>Government land</td> <td>Nil</td> </tr> <tr> <td>iv)</td> <td>Revenue land</td> <td>Nil</td> </tr> <tr> <td>v)</td> <td>Other land</td> <td>Nil</td> </tr> <tr> <td>vi)</td> <td>Total land</td> <td>1.90</td> </tr> </tbody> </table>	Sr No.	Ownership pattern	Area in Ha	i)	Forest Land	Nil	ii)	Private land	1.62+2.43=4.05	iii)	Government land	Nil	iv)	Revenue land	Nil	v)	Other land	Nil	vi)	Total land	1.90
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		ii)	Waste/Barren Area	0																			
iii)	Settlement	0																					
iv)	Surface water Bodies	0																					
v)	Other( Specify)	0																					
12.	Cost of the project	The proposed Total project cost will be Rs 1.0 Crore/-(50 lakh each)																					
13.	Environmental Clearance. Fee details	Rs 8100/- Submitted reference no 605494962 in the corporation Bank Branch on 11.06.2020																					
14.	Details of Final District Survey Report	Approved by :-DM Reference No:1863 Date of Issue:6.12.19 Mining Lease Area: 1.90 Mining Quantity: 25534.71 TPA Mining Depth:3.0 m Safe distance from banks (m)-NA Annual rate of replenishment as per the study conducted-NA																					
15	Details of visit report of Sub Divisional Level Committee	Submitted																					
16	Details of Mining Plan	Approved by :-State Geologists Approval Letter No: 2177-80 dated:29.07.2019( <b>Sariana</b> )																					

		(Sariana-1)Memo no.Glg/pb/M.P./2020/Sariana-1/661 on Dated:-01.10.2020 Approved Mining Quantity: Sariana-1 - 22008.83MT/Year , sariana-30631.51MT/Annum. Depth of Mining (m):3.0 m	
17	Demarcation report of mining site	Submitted	
18.	Workers (when fully operational)	74 Persons.	
19.	Water Requirements & source	Total: 8.39 KLD Ground water/Others: From water tanker.	
20.	Waste water generation, Treatment & its Disposal	Quantity of Waste water : Nil (80% of water requirement) Treatment Method: Portable toilets are proposed to be provided by the proponent in the mining site. After treatment will be disposed of plantation purpose.	
21	Solid waste generation and its disposal	Solid waste will be disposed off through the local body.	
22.	Green Belt Development Plan including no. of trees to be planted & its species.	Tree cutting (if any) : Nil No of plant to be planted: 2400/Yr Funds Allocated: Rs 900000/-	
23.	Environment Management Plan along with Budgetary breakup and responsibility to implement	M/S Prime Vision Industries Private Limited will be responsible for the implementation of EMP till the mining activities closed as per the mining plan.	
	<b>S. No</b>	<b>Particulars</b>	<b>Amount (in Rs)</b>
	1	Air Pollution Control - Water Sprinkling/Dust Suppression	2,70,000/-
	2	Environmental Monitoring and Management- Air quality Monitoring	1,32,000/-
	3	Green Belt Development	24,00,000/-
	4	Water Pollution control	30,000/-
		<b>Total</b>	<b>28,32,000/-</b>
24	CER activities along with budgetary break up and responsibility to implement M/S Prime Vision Industries Private Limited will be responsible		

for implementation of Corporate Environmental Responsibility (CER). followings: -		
S. No.	CER Activity	Proposed Budget (Rs/Annum)
1.	Infrastructure Development (one activity every year) such as Road Maintenance, Panchyat Bhavan Maintenance, water cooler, Almira, table etc. will be provided in the nearby village, school	1.0
2.	Organizing social event in villages, and community welfare work . Organizing welfare programs for aware diseases and viral infection. Public Toilets will be constructed for local villagers Distribution of free saplings to encourage villagers for plantation	1.0
3.	Drinking water and sanitation facility for nearby villagers	2.0
4.	Education (distribution of books and school uniforms to girl child) 100 student per year and sports development (help in organizing sports day in school) (two activity every year)	4.0
Total		8.0

SEAC asked the project proponent and his Environmental Consultant to clarify the following observations to which he replied as under: -

Sr. No.	Observations	Reply submitted by the project proponent and his Environmental Consultant
1.	The project proponent is required to earmark two tubewells/ borewells/ wells as observation wells in the adjoining area within a radius of 500m of the project site. Also, monthly monitoring of the water level in the wells is required to be carried out and reported to District Mining Officer on monthly basis.	The project proponent agreed to the same.
2.	The project proponent is required to plant trees of natives species having plant height more than 3 ft along with tree guard.	The project proponent agreed to the same.
3.	The project proponent is required to submit an undertaking to the effect that the mining shall be carried out as	The project proponent agreed to the same.

	per the approved Mining Plan and comply with the terms and conditions of Department of Mines & Geology, Govt. of Punjab as issued from time to time.	
4.	As per the condition no. 21 mentioned in the standard Environmental Conditions for sand mining as given in the Sustainable Sand Mining Management Guidelines, 2016, mining should begin only after pucca pillar, marking the boundary of lease area, is erected at the cost of the lease holder after certification by the mining official and its geo coordinates are made available to the District Level Committee and a condition to the same shall be imposed in the Environmental Clearance issued to the project proponent.	The project proponent agreed to the same.
5.	The project proponent could not justify as to why the semi- mechanized mining is better for environment as compared to manual mining.	<p>The project proponent submitted Justification of using semi-Mechanized Method for Gravel Mining from the proposed Sariana1 &amp; Sariana Gravel Mine (Minor Mineral) to the effect that the excavation of Gravel is not feasible with the manual mining hence the semi mechanized method will be used. The excavator/JCB/Scraper will be deployed for carried out Mining Operation. SEAC was not satisfied with the reply of the project proponent as the mining site is less than 5 ha.</p> <p>The Committee decided that the project proponent shall carryout mining only by manual method. The project proponent agreed to the same.</p>

SEAC was satisfied from the presentation and reply given to the observation. SEAC took a copy of presentation along with reply on record.

## 2.0 Recommendations

After deliberations, SEAC decided to award silver grading to the project and forward the application of the project proponent to SEIAA with the recommendations to grant Environmental Clearance for mining of minor minerals (Sand) on Agricultural Land located in the revenue estate of village Sariana, Tehsil Mukerian, District Hoshiarpur, Punjab submitted by M/s Prime Vision Industries Pvt. Ltd. as per Annexure-I along with the following additional conditions:

1. The project proponent shall carry out mining only by the manual method.
2. The project proponent is required to earmark two tubewells/ borewells/ wells as observation wells in the adjoining area within a radius of 500m of the project site. Also, monthly monitoring of the water level in the wells is required to be carried out and reported to District Mining Officer on monthly basis.
3. The project proponent shall begin mining only after pucca pillar marking, the boundary of lease area is erected at the cost of the lease holder after certification by the mining official and its geo coordinates are made available to the District Level Committee.
4. The proponent shall plant 2400 number of plants of native species of not less than 3 ft in size at the identified location and protect the same with tree guards. The proponent shall make adequate provision of funds and ensure maintenance of the plants for a further period of three years.
5. The project proponent shall construct rain water harvesting pits along with desilting chambers in the Govt. Senior Secondary School of the village Sariana, Tehsil Mukerian, District Hoshiarpur. The project proponent shall follow the CGWA guidelines for constructing the rainwater recharging pits.
6. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility. The project proponent shall adhere to the commitments made in the proposal for CER activities for spending at least minimum amount of Rs. 8,00,000/- towards following activities:

<b>S. No.</b>	<b>CER Activity</b>	<b>Proposed Budget (Rs/Annum)</b>
1.	Infrastructure Development (one activity every year) such as Road Maintenance, Panchyat Bhavan Maintenance, water cooler, Almira, table etc. will be provided in the nearby village, school	1.0
2.	Organizing social event in villages, and community welfare work . Organizing welfare programs for aware diseases and viral infection. Public Toilets will be constructed for local villagers Distribution of free saplings to encourage villagers for plantation	1.0
3.	Drinking water and sanitation facility for nearby villagers	2.0
4.	Education (distribution of books and school uniforms to girl child) 100 student per year and sports	4.0

	development (help in organizing sports day in school) (two activity every year)	
	Total	8.0

### **3.0 Deliberations during the 174<sup>th</sup> meeting of SEIAA held on 31.10.2020**

The case was considered by SEIAA in its 174<sup>th</sup> meeting held on 31.10.2020 and was attended by the following on behalf of the project proponent:

- (i) Sh. Amit Kumar, Authorised signatory, on behalf of the project proponent.
- (ii) Sh. Sameer Singh, M/s Overseas Min Tech Consultants, Environmental consultant of the Project Proponent.

Environmental consultant of the promoter company presented the salient features of the project before SEIAA. A copy of the presentation was also submitted which was taken on record.

To a query of SEIAA regarding the NOC from the Forest Deptt., Environmental Consultant informed that DFO was a member of the site Appraisal Committee constituted at the sub-division level to identify the mining sites located in the Tehsil Mukerian Distt. Hoshiarpur. After visiting the mining sites by the Committee Members, approval was accorded to incorporate the Khasra No. of present mining site in the auction. No separate NOC has been obtained from the Forest Deptt. However, a copy of the minutes of Site Appraisal Committee (SAC) issued vide U.O. No. 998 dt. 09.05.2017 duly signed by the Divisional Forest Officer Dasuya, others committee members and Sub Divisional Magistrate, Mukerian has already been submitted.

To another query of SEIAA regarding the cluster formation, Environmental Consultant, submitted a copy of certificate issued by the Executive Engineer-cum-District Mining Officer to the effect that mining lease area of village Sariana-1 falls within 500 m periphery from the mining site of village Sariana. A copy of the said certificate was taken on record. SEIAA observed that Project Proponent had applied for obtaining Environment clearance for the said cluster.

During discussions, the representative of the promoter company agreed to comply with fully all the conditions as mentioned by SEAC.

The SEIAA observed that the case stands recommended by SEAC and the Committee has awarded 'Silver Grading' to the project proposal. The SEIAA looked into the details of the case and was satisfied with the same.

Therefore, the Authority decided to accept the recommendations of SEAC and grant Environmental Clearance for mining of minor minerals (Gravel/Sand) @ 22008.83 TPA in an area of 1.62 ha located in the Village Sariana-I and @ 30631.51 TPA in an area of 2.43 ha located in the village Sariana, Tehsil & District Hoshiarpur upto a depth of 3 m (below ground level) on Agricultural Land to M/s Prime Vision Industries Pvt. Ltd., as per approved mining Plan with the manual method of mining only & subsequent presentation

/clarifications made by the project proponent and his consultant, with proposed measures and conditions as recommended by SEAC and additional condition that .

**Additional Conditions:-**

- i) The project proponent shall use the transportation route for carrying out the mining minerals away from the habitational area.
- ii) No mining activity shall be carried out in the protected areas notified under the Wild Life (Protection), Act-1972.

**Item No 174.26: Regarding transfer of Environmental Clearance granted under EIA notification dated 14.09.2006 to The Director, Department of Industries & Commerce, Govt. of Punjab for mining of minor minerals in the revenue estate of Village Nangran, Tehsil Nangal, District Rupnagar in the name of Rakesh Kumar Chaudhary, Krishna Complex, Sector-3 Extn, Trikuta Nagar, Jammu (Proposal No. SIA/PB/MIN/180034/2020).**

Facts of the case are given as under: -

The Director, Department of Industries & Commerce, Govt. of Punjab was granted Environmental Clearance under EIA notification dated 14.09.2006 by EAC, Govt. of India, vide no. J-11015/159/2010- IA. II(M) dated 20.02.2015 for carrying out mining of minor minerals (sand) @ 11542 TPA in an area of 32.39 hectares in the revenue estate of Village Nangran, Tehsil Nangal, District Rupnagar, subject to certain conditions.

The District Mining Officer, Rupnagar vide letter no. 998 dated 25/09/2019 has requested to transfer the Environmental Clearance for the above noted mining site in the name of Rakesh Kumar Chaudhary, Krishna Complex, Sector-3 Extn, Trikuta Nagar, Jammu, for a period of 3 years or upto the validity of environmental clearance or whichever is earlier.

Lastly, the case was considered by SEIAA in its 158<sup>th</sup> meeting held on 23.12.2019, however, to the query of SEIAA regarding, applicability of General Condition, report of demarcation of mining area by the Revenue department in the presence of Mining deptt., Contractor, Village Lambardar, owners of adjoining fields and establishment of absolute elevation (Redline), the contractor/ Mining department sought more time to submit the same. SEIAA accepted the request of the contractor and decided to defer the case and place the case in the meeting only after the discrepancies are attended to by the contractor/Mining department. The case was delisted by SEIAA vide no. 3093 dated 09.10.2020 for want of the document as noted above.

Now, the contractor namely Rakesh Kumar Chaudhary, 51B/D, Gandhi Nagar, Jammu (J&K) has again submitted application online for transfer of the said Environmental

Clearance in its name. Following documents have been submitted by the contractor alongwith the request:

Sr. No.	Documents	Remarks
1	Copy of Environmental Clearance dated 20.02.2015.	Submitted
2	Copy of request submitted by District Mining Officer, Rupnagar vide letter no. 998 dated 25/09/2019.	Submitted
3	Copy of Provisional Acceptance Letter for mining of Block no 1 comprising of District Ropar – E – auction dated 29.07.2019.	Submitted
4	Resolution of the company regarding the authorized signatory	Submitted
5	Affidavit to the effect that the promoter company will comply with conditions as imposed by SEIAA.	Submitted
6	Fee @ Rs. 2000/- per hectare	Rs. 64780/- vide DD No. 281139, Dated- 15.10.2019.
7	Site Demarcation on Aks Sajra Plan with report of the Mining and Revenue Department.	Submitted
8	CER plan as per Office Memorandum dated 01/05/2018	Submitted

It is pertinent to mention here, EC in this case was earlier granted by MOEF vide no. J-11015/159/2010-IA. II(M) dated 20.02.2015. From the perusal of the said Environmental Clearance, it has been observed that an interstate boundary between Punjab & Himachal Pardesh. No forestland is involved. There is no protected forest within 10km radius from mine lease boundary. Also, there is no National Park/Wildlife Sanctuary within 10km from the boundary of the mine lease. However, MoEF vide notification no. S.O. 3977(E) dated 14.08.2018 has amended the EIA Notification dated 14.09.2006 to the effect that the project/ activities related to the mining of minerals (Non-Coal Mines) of area less than 100 hectare fall under Category-B projects if General Conditions are not applicable.

As per the said OM the general conditions are not applicable if an interstate boundary falls within 10km of the site. Thus, on this account, the competency to decide the case lies with SEIAA, Punjab.

### **3.0 Deliberations during the 174<sup>th</sup> meeting of SEIAA held on 31.10.2020**

The case was considered by SEIAA in its 174<sup>th</sup> meeting held on 31.10.2020 and was attended by the following on behalf of the project proponent:

- (i) Sh. Amit Kumar, Authorised signatory, on behalf of the project proponent.
- (ii) Sh. Sameer Singh, M/s Overseas Min Tech Consultants, Environmental consultant of the Project Proponent.



SEIAA observed that as per the MoEF Notification dated 14.08.2018, competency to decide this case now lies with the SEIAA as clause of interstate boundary has now been removed in case of river bed mining while considering the applicability of General Condition.

SEIAA further observed that as per EIA notification dated 14.09.2006, the Environmental Clearance granted for a specific project or activity to an applicant can be transferred during its validity to another legal person entitled to undertake the project or activity on application by the transferor, or by the transferee with a written "no objection" by the transferor, to and by the regulatory authority concerned, on the same terms and conditions under which the prior environmental clearance was initially granted, and for the same validity period.

SEIAA further observed that District Mining Officer, Rupnagar vide letter no. 998 dated 25/09/2019 has requested to transfer the Environmental Clearance in the name of the contractor up to the expiry of Environmental Clearance.

After detailed deliberations, SEIAA decided that the Environmental Clearance granted to the Director, Department of Industries & Commerce, Govt. of Punjab under EIA notification dated 14.09.2006 by the Ministry vide no. J-11015/159/2010- IA. II(M) dated 20.02.2015 for carrying out mining of minor minerals (sand) @ 11542 TPA in an area of 32.39 hectares in the revenue estate of Village Nangran, Tehsil Nangal, District Rupnagar be transferred in the name of Sh. Rakesh Kumar Choudhary, 51B/D, Gandhinagar, Jammu J&K for a period up to the expiry of Environmental Clearance i.e upto 19.02.2022, subject to the same conditions as mentioned in the Environmental Clearance issued vide no. vide no-J-11015/159/2010-IA.II(M) dated 20.02.2015 with an additional condition that the project proponent shall spend Rs. 1.70 Lacs reserved under the CER activity, as per the OM dated 01.05.2018, on the following activities: -

<b>Sr. No.</b>	<b>CER Activity</b>	<b>Proposed Budget (In Lac/annum.)</b>
1.	Infrastructure Development Activities such as Road Maintenance, Panchyat Bhavan Maintenance, water cooler, furniture to nearby school	0.7
2	Drinking water and sanitation facility for nearby villagers	0.5
3	Distribution of books & school uniforms to girl child	0.5
	<b>Total</b>	<b>1.7</b>

**Item No 174.27: Application for obtaining Terms of Reference under EIA notification dated 14.09.2006 for mining of minor minerals on Agricultural Land in the village Mamdot Uttar-I, Tehsil Ferozepur, District Ferozepur, Punjab submitted by M/s Prime Vision Industries Private Limited. (Proposal No. SIA/PB/MIN/ 52767/ 2020)**

M/s Prime Vision Industries Private Limited has applied for obtaining Terms of Reference under EIA notification dated 14.09.2006 for mining of minor minerals (Sand) from Agricultural land in the revenue estate of village Mamdot Uttar-I, Tehsil Ferozepur District Ferozepur on 28.03.2020. The project is covered under category 1 (a) of the Schedule appended to the said Notification.

Further, the said case was forwarded by SEIAA to SEAC on 09/07/2020 after scrutiny of the application and the updated status of the documents attached with the application is as under: -

**1.0 Status of documents attached with application**

**(A) General**

i)	Name of Applicant & Correspondence address:  Mobile No: Email ID:	M/s Prime Vision Industries Pvt Ltd 312, Vishal Chamber P-1, Sector-18, Noida, Uttar Pradesh. 9646210786 Primevision.pb.ec@gmail.com
ii)	Name of Environmental Consultant Mobile No. Email ID	P and M solution 9910037943 <a href="mailto:Manasvyas23@gmail.com">Manasvyas23@gmail.com</a>

**(B) Detail of the Documents**

The project proponent submitted all the requisite documents as per the checklist of the mining case along with Form-02. The project proponent submitted a hard copy of the same, which was taken on record.

**2.0 Deliberations during 191<sup>st</sup> meeting of SEAC held on 24.07.2020**

The case was considered by SEAC in its 191<sup>st</sup> meeting held on 24.07.2020 and the same was attended by the following on behalf of the project proponent:

- (i) Sh. Harkesh Singh, Authorised signatory, on behalf of the project proponent.
- (ii) Sh. Manas Vyas, FAE on behalf of M/s P & M Solutions, Noida, Environment Consultant of the promoter company.

SEAC allowed the project proponent to present the salient features of the project and the Environment consultant of the promoter company presented the same as under:

S.No.	Item	Details
1.	Online Proposal No.	SIA/PB/MIN/52767/2020

"Proceedings of 174<sup>th</sup> meeting of SEIAA  
held on 31.10.2020"

2.	Project Name & Location		Mamdot Uttar-I Sand Mining Project at Hadbast No-305, Village-Mamdot Uttar, Tehsil-Ferozepur, District-Ferozepur, Punjab	
3	Project/activity covered under item of scheduled to the EIA Notification,14.09.2006		1(a) mining of mineral	
4	Details of Mining Lease			
	i)	Mineral (s) to be mined	Sand	
	ii)	Capacity of Mine	77461.65 TPA (Total 232384.96 MT)	
	iii)	Mining Lease Area	Total area is 7.02 Ha	
	iv)	Details Letter of Intent (LOI)/E-Auction issued by the State Govt.	Reference No: 1709-10 Date of Issue: 09/07/2019 Validity of LOI: Three Years	
5	HadBast No.		305	
6	Land Khasra No. & their consent details			
	Sr. No	Type	Khasra No	Consent details
	1	Govt Land	-	-
	2	Private Land	[[74//4/2(7-11), 5(7-11), 25(8-0), 16(8-0),17/1(7-0), 23/2(2-16), 24(8-0) 77//6(8-0), 5(8-0), 4(8-0), 7(8-0), 14(8-0),15(4-0) 76//1(4-0) 56//25(8-0) 75//19(1-17), 20(8-0), 21(8-0) 55//21 (8-0), 22 (8-0) ]	Yes
7.	Latitude & Longitude			
	S.No.	Corner	Latitude	Longitude
	1	E.	30°51'21.60"N	74°26'16.20"E
	2	F.	30°51'21.60"N	74°26'15.60"E
	3	G.	30°51'19.70"N	74°26'15.30"E
	4	H.	30°51'19.60"N	74°26'16.20"E
	5	I.	30°51'13.70"N	74°26'16.00"E
	6	J.	30°51'13.70"N	74°26'19.80"E
	7	K.	30°51'15.60"N	74°26'19.90"E
	8	L.	30°51'15.70"N	74°26'21.00"E
	9	M.	30°51'17.60"N	74°26'21.20"E
	10	N.	30°51'17.60"N	74°26'22.40"E
	11	O.	30°51'19.60"N	74°26'22.50"E
	12	P.	30°51'19.70"N	74°26'23.70"E
	13	Q.	30°51'21.30"N	74°26'23.67"E
	14	R.	30°51'23.40"N	74°26'25.10"E
	15	S.	30°51'27.31"N	74°26'21.50"E
	16	T.	30°51'29.18"N	74°26'21.50"E
	17	U.	30°51'29.16"N	74°26'26.46"E
	18	V.	30°51'30.97"N	74°26'26.45"E
	19	W.	30°51'31.11"N	74°26'18.92"E
	20	X.	30°51'28.25"N	74°26'18.85"E

	21	Y.	30°51'27.34"N	74°26'20.34"E
	22	Z.	30°51'21.60"N	74°26'16.20"E
8	Whether the project attracts the General Condition.		No	
9.	Does the project involve the diversion of forest land? If yes, a. Extent of the forest land. b. Status of the forest clearance. If No, submit documentary proof		No, Forest NOC issued by DFO Ferozpur vide letter no 7676 dated 28.02.2020	
10	Does the project fall within 10 km of eco-sensitive area/ National park/Wild Life Sanctuary? If yes, Status of NOC. If No, If No, submit documentary proof		No, The nearest Wild Life Sanctuary is located at Harike approximately 57.69 Km from the site.	
11.	Land requirement for the project		Prior to the project proposal	
	Sr No.	Ownership pattern	Area in Ha	
	i)	Forest Land	Nil	
	ii)	Private land	7.02	
	iii)	Government land	Nil	
	iv)	Revenue land	Nil	
	v)	Other land	Nil	
	vi)	Total land	7.02	
	Present Land use Break Up			
	Sr No.	Land use	Area in Ha	
	i)	Agriculture Area	7.02	
	ii)	Waste/Barren Area	0	
	iii)	Settlement	0	
	iv)	Surface water Bodies	0	
	v)	Other (Specify)	0	
12.	Cost of the project		Rs.67,15,925 /-	
13.	Environmental Clearance. Fee details		Fees Rs 3,510/- Submitted vide NEFT ref no 603724841	
14.	Details of Final District Survey Report		Approved by: - Deputy Commissioner Ferozpur Reference No: 728 Date of Issue: 08.06.2020 Mining Lease Area: 7.02 Ha	
15	Details of visit report of Sub Divisional Level Committee		Submitted	
16	Details of Mining Plan		Approved by:-State Geologist Approval Letter No:Glg/Pb/M.P./2020/Mamdot Uttar-1/322 Date of Approval: 20.03.2020 Approved Mining Lease Area: 7.02 Ha Approved Mining Quantity: 77461.65 TPA (Total 232384.96 MT) Depth of Mining (m):3.0m	

17	Demarcation report of mining site	Date of demarcation: 04.11.2019 Nos of Burjis made : No												
18.	Workers (when fully operational)	20 Persons.												
19.	Water Requirements & source	Domestic: 0.20 KLD Dust Suppression:4.0 KLD Plantation:0.57 KLD Total:4.77 KLD Ground water/Others: The water will be procured from the nearby villages.												
20.	Waste water generation, Treatment & its Disposal	a) Quantity of Waste water: 0.1 KLD (80% of water requirement) b) Treatment Method: Portable toilets are proposed to be provided by the proponent in the mining site. After treatment will be disposed of plantation purposes.												
21	Solid waste generation and its disposal	Entire Solid waste will be disposed of as per Solid Waste Management Rules, 2016.												
22.	Green Belt Development Plan including no. of trees to be planted & its species.	To be submitted along with EIA/EMP report.												
23.	Environment Management Plan along with Budgetary breakup and responsibility to implement	To be submitted along with EIA/EMP report.												
24	CER activities along with budgetary break-up and responsibility to implement	To be submitted along with EIA/EMP report.												
25	Other important facts	<p>i) During the lease period, the deposit will be worked from the top surface to 3 m below ground level or above ground water table, whichever comes first.</p> <p>ii) No court case/litigation is pending before any court of Law against the project and/or land in which the project is proposed to be set up.</p> <p>iii) All mitigation measures for each activity to be undertaken during the mining operation to minimize adverse environmental impacts as recommended in the sand mining guidelines, 2016 &amp; Enforcement &amp; Monitoring Guidelines for Sand Mining, 2020.</p> <p>iv) Compliance with various environmental regulations shall be ensured.</p> <p>v) Mining will be carried out as per the terms and conditions of the Auction notice no MDM/Pb/E-auction/2019/2231 dated 30.05.2019 issued by Department of Mines &amp; Geology, Government of Punjab.</p> <p>vi) Extent of Mechanization</p> <p>The mining shall be performed using a semi-mechanized method as per approved mine plan and Punjab Minor Mineral rules 2013. For mining operation excavators, dumpers and tippers have been considered. The machinery considered for sand mining has been presented below: -</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 25%;">Name of Equipment</th> <th style="width: 25%;">Capacity</th> <th style="width: 25%;">No. of Equipment</th> <th style="width: 25%;">Standby Equipment</th> <th style="width: 25%;">Total</th> </tr> </thead> <tbody> <tr> <td>Excavator</td> <td style="text-align: center;">0.90 m<sup>3</sup></td> <td style="text-align: center;">2</td> <td style="text-align: center;">-</td> <td style="text-align: center;">2</td> </tr> </tbody> </table>			Name of Equipment	Capacity	No. of Equipment	Standby Equipment	Total	Excavator	0.90 m <sup>3</sup>	2	-	2
Name of Equipment	Capacity	No. of Equipment	Standby Equipment	Total										
Excavator	0.90 m <sup>3</sup>	2	-	2										

Dumper	10 tonnes	4		4
Water tankers	As & when required	-	-	-
<p>vii) Benefits of Semi mechanized method Semi mechanized method, involving minimal use of machinery and optimal no. of workers if allowed can provide the following benefits:</p> <ol style="list-style-type: none"> <li>a. Reduced duration of exposure to negative impacts of mining.</li> <li>b. Reduced production of sewage and solid waste at the project site to be treated.</li> <li>c. Reduced nuisance to the villagers.</li> <li>d. Feasibility to extract the required quantity and supply raw material to market to curb black marketing of minor minerals and support to the construction industry in the region.</li> <li>e. Reduced social menace which may be caused due to large no. of laborers, in case of completely manual operation.</li> </ol> <p>viii) The operation will be done only from sunrise to sunset hence there will be no power requirement for the project at the site.</p> <p>ix) An undertaking has been submitted to the effect that no Cluster formation of mining site exists as no other mining site falls within a radius of 500 m from the periphery of the proposed site.</p>				

SEAC asked the project proponent and his Environmental Consultant to clarify the following observations to which he replied as under: -

Sr. No.	Observations	Reply submitted by the project proponent and his Environmental Consultant
1.	Whether Final District Survey Report (DSR) has been approved?	The project proponent intimated that the DC Ferozpur has sent the approved DSR to the Secretary, Mining vide letter number 728 dated 08.06.2020. Sh. Manoj Bansal, Executive Engineer, Department of Mines submitted the said letter along with a signed copy of the DSR by the Executive Engineer, Department of Mines, Ferozpur, which was taken on record by SEAC.
2.	The project proponent is required to get the hydrogeological survey of the existing water level done and also required to submit the impact on the water level regime due to the project. This report is required to be submitted at the time of submission of the EIA report.	The project proponent agreed to the same.

3.	The project proponent is required to submit a report regarding the preservation of topsoil excavated during the mining process at the time of submission of the EIA report.	The project proponent agreed to the same.
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SEAC was satisfied with the presentation and reply given to the observation. SEAC took a copy of the presentation along with a reply on record.

### **3.0 Recommendation of SEAC**

After deliberations, SEAC decided to forward the application of the project proponent to SEIAA with the recommendations to issue Terms of Reference for mining of minor minerals (Sand) on Agricultural Land located in the revenue estate village Mamdot Uttar-I, Tehsil Ferozepur, District Ferozepur, Punjab submitted by M/s Prime Vision Industries Private Limited as per Annexure-I and the following additional ToRs:

1. The project proponent is required to get the hydrogeological survey of the existing water level done and to submit the impact on the water level regime due to the project. This report is required to be submitted at the time of submission of the EIA report.
2. The project proponent is required to submit a report regarding the preservation of topsoil excavated during the mining process at the time of submission of the EIA report.

### **4.0 Deliberations during 168<sup>th</sup> meeting of SEIAA held on 07.08.2020**

The case was placed before in its 168<sup>th</sup> meeting held on 07.08.2020 and the same was attended by the following:-

- (i) Sh. Harkesh Singh, Authorised signatory, on behalf of the project proponent.
- (ii) Sh. Manas Vyas, FAE on behalf of M/s P & M Solutions, Noida, Environment Consultant of the promoter company.

Before allowing the presentation, SEIAA queried to the project proponent regarding the distance of the mining site from the International boundary to examine the issue of applicability of General Condition. To this, the project proponent replied that the distance of the mining site from the International boundary is 5.3 Km. SEIAA observed that the KML file with all coordinates of the mining site has not been uploaded with the application, however, as per page no 102 of additional document i.e. 5 Km Buffer map of the study area uploaded along with the application, international boundary falls in within the radius of 5.0 Km.

To this, the project proponent sought some time to examine the matter and requested to defer the case.

After deliberations, SEIAA decided to accept the request of the project proponent, defer the case till the project proponent submits the KML file with the distance of the mining site from the International boundary.

In compliance with the aforesaid decision, ADS was raised online to which project proponent submit its reply on 30.09.2020. A copy of the said reply is attached as Annexure B.

### **5.0 Deliberations during the 174<sup>th</sup> meeting of SEIAA held on 31.10.2020**

The case was considered by SEIAA in its 174<sup>th</sup> meeting held on 31.10.2020 and was attended by the following on behalf of the project proponent:

- i) Sh. Harkesh Singh, Authorised signatory, on behalf of the project proponent.
- ii) Sh. Subhash Kumar, EIA Coordinator and Sh. Manas Vyas, FAE, M/s P & M Solutions, Noida, Environment Consultant of the promoter company.

In reference to the earlier raised observation of SEIAA in the previous meeting, Environmental Consultant informed that the mining site is located at a distance of 5.3 Kms from the International Boundary and shows the same on the Google Earth Map, as such, 'General Condition' is not applicable.

SEIAA was satisfied with the reply submitted by the project proponent and allow the Environmental Consultant to present the case.

Environmental consultant of the promoter company presented the salient features of the project before SEIAA. A copy of the presentation was also submitted which was taken on record.

To a query SEIAA regarding the NOC from the Forest Department, Environmental Consultant informed that Forest Department has issued NOC to the project vide letter No. 7676 dated 28.09.2020.

To another query of SEIAA regarding cluster formation, Environmental Consultant informed that the Mining Department has issued Certificate vide No. 296 dated 27.07.2020 to the effect that no other mine lease is existing within 500 m periphery from the area of present mining site.

SEIAA observed that the present site falls in the revenue estate of Village Mamdot Uttar-I and an another case of Village Mamdot Uttar is placed at item No. 174.14. To a query of SEIAA regarding distance between the mining site of Mamdot Uttar and Mamdot Uttar-1, Environmental Consultant presented the KML file on google map and shows that the distance between mining site is more than 1 km. As such, the mining site is not in the cluster formation.

The SEIAA observed that the case stands recommended by SEAC for issuance of ToRs to the project proposal. The SEIAA looked into the details of the case and was satisfied with the same.

After detailed deliberations, SEIAA decided to accept the recommendations of SEAC and issue TORs as proposed by SEAC with the following additional TORs:-



**Additional TORs:**

- i) Submit the transportation route away from the habitation area.
- ii) Submit proper certificate regarding the cluster formation issued by the concerned Executive Engineer of the Mining Department.

**Item No 174.28: Clarification regarding requirement of Environmental Clearance for the project namely R.S Heritage Eco Huts at village Repur H.B.No. 589, Khasra No. 13//18/1,19/1,12/2, Tehsil Mukerian, Forest Division, Dasuya, District Hoshiarpur.**

The facts of the case are as under: -

A request has been received from Smt. Reetu Bala w/o Sh. Rajesh Singh, R/o village Repur, p.o Datapur, ward no. 4, Tehsil Mukerian, District Hoshiarpur for obtaining EC for the subject cited project.

As per the request of the project proponent, construction of eco huts in the name of R.S Heritage Eco Huts at village Repur H.B.No. 589, Khasra No. 13//18/1,19/1,12/2, Tehsil Mukerian, Forest Division, Dasuya, District Hoshiarpur has been proposed. The applicant has proposed to develop the project with the area 12 Kanal 18.98 Marla (4980 sqm) and the total covered area is 2189.99 sqm.

The project proponent has submitted a copy of the Jamabandi, a copy of the layout plan approved by the Sub-Divisional Engineer, PWD B&R , Mukerian, and a copy of the project report.

The approved layout plan submitted by the project proponent has been examined and it has been observed that the total covered area of the project with parking is 2189.99 sqm. Thus, the project is not covered under any category of the projects as enumerated in the Schedule appended to the EIA Notification 14.09.2006.

**6.0 Deliberations during the 174<sup>th</sup> meeting of SEIAA held on 31.10.2020**

The matter was considered by the SEIAA in its 174<sup>th</sup> meeting held on 31.10.2020 and it was observed that the applicant has proposed to construct eco huts in the name of R.S Heritage Eco Huts at village Repur H.B.No. 589, Khasra No. 13//18/1,19/1,12/2, Tehsil Mukerian, Forest Division, Dasuya, District Hoshiarpur within the area of 12 Kanal 18.98 Marla (4980 sqm) and the total covered area is 2189.99 sqm, which is far less than the threshold limit defined for obtaining Environmental Clearance in the EIA Notification, 14.09.2006.

Thus, the proposed project namely .S Heritage Eco Huts at village Repur H.B.No. 589, Khasra No. 13//18/1,19/1,12/2, Tehsil Mukerian, Forest Division, Dasuya, District Hoshiarpur, does not attract the provisions of EIA notification,2006 as amended from

"Proceedings of 174<sup>th</sup> meeting of SEIAA  
held on 31.10.2020"

time to time. However, the project proponent is required to obtain NOC from the Forest Department before initiating any construction activity related to the project.

After detailed deliberations, SEIAA decided that the project proponent be informed accordingly.

Meeting ended with a vote of thanks to the Chair

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**Annexure I (For Agricultural land)**

**A. Specific conditions:**

- (i) The environmental clearance will be valid for a period of seven years from the date of issuance, as per the provisions of the EIA Notification, 2006 as amended subsequently, for mining of minor minerals in the above said location and Khasra numbers.
- (ii) The project proponent shall demarcate the mining lease area in the presence of Lambardar of the village, project proponent/ contractor, owner of the land and owner of the adjoining land, revenue officer & Mining Officer, etc. Mining lease area will be demarcated on the ground with pucca pillars with reference to some permanent benchmark before starting any mining activity at site.
- (iii) Mining should begin only after pucca pillar marking the boundary of lease area is erected at the cost of the lease holder after certification by the mining official and its geo coordinates are made available to the District Level Committee.
- (iv) Mining shall be carried out only by the manual method. No semi- mechanized or mechanized method of mining has been allowed as proposed in the mining plan.
- (v) The project proponent shall left the buffer of 3 m from the adjacent field.
- (vi) The top soil in case of surface land mining shall be stored temporarily in an earmarked site and concurrently used for land reclamation.
- (vii) EC holder shall keep a correct account of quantity of mineral mined out, dispatched from the mine, mode of transport, registration number of vehicle, person in-charge of vehicle and mine plan. This should be produced before officers of Central Government and State for inspection.
- (viii) Removal, stacking and utilization of top soil in mining are should be ensured. Where top soil cannot be used concurrently, it shall be stored separately for future use keeping in view that the bacterial organism should not die and should be spread nearby area.
- (ix) Mining shall not be undertaken in a mining lease located in 200 meter of bridge, 200 meter upstream and downstream of water supply / irrigation scheme, 100 meters from the edge of National Highway and railway line, 50 meters from a reservoir, canal or building, 25 meter from the edge of State Highway and 10 meters from the edge of other roads except on special exemption by the Sub-Divisional level Joint Inspection Committee.
- (x) Mining shall be as per the approved Development/Mining Plan prepared for this project and as per the Mines & Mineral (Development & Regulation) Act, 1957 and rules framed there under as amended from time to time, other Acts/rules related with mining of minor minerals.
- (xi) The mining activity shall be carried out strictly as per guidelines contained in the Sustainable Sand Mining Management Guidelines 2016 and provisions made in the Enforcement & Monitoring Guidelines for Sand Mining, 2020 issued by MoEF&CC, New Delhi as amended from time to time and guidelines issued by Geological Survey of India.

- (xii) The mining operation will be carried out only from sun-rise to sunset.
- (xiii) The project proponent shall earmark at least two tubewells/ borewells/ wells as observation wells in the adjoining area within a radius of 500m of the project site and monthly monitoring of the depth is to be carried out. District Mining Officer is to monitor the same.
- (xiv) The project proponent shall obtain Consent to Establish and Consent to Operate from the Punjab Pollution Control Board and effectively implement all the conditions stipulated therein.
- (xv) The project proponent shall observe the mining site after every 15 days and in case, a Schedule-I or Schedule-II species as per Wildlife Act or any rare or endangered species are reported, the Mining Officer will get a conservation plan prepared in consultation with the Department of Wildlife and ensure its implementation.
- (xvi) The mining of minor mineral (sand) shall be carried out only up to depth \_\_\_\_m as proposed in the approved mining plan or above the groundwater level, whichever is less.
- (xvii) The mining shall be carried out by the contractor/lessor as per the EMP prepared and development / mining plan prepared as per the Mines & Mineral (Development & Regulation) Act, 1957 / other Acts/Rules related with mining of minor minerals.
- (xviii) The Project Proponent and Mining Officer shall ensure that wherever deployment of labour attracts the Mines Act, the provision thereof shall be strictly followed.
- (xix) The project proponent shall undertake plantation/afforestation work by planting the native species in the nearby area adjacent to mine lease.
- (xx) The project proponent shall ensure that effective safeguard measures, such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of particulate matter such as loading and unloading point and all transfer points. Extensive water sprinkling shall be carried out on haul roads. It should be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Ministry of Environment & Forests/Punjab Pollution Control Board in this regard.
- (xxi) The project proponent shall undertake adequate safeguard measures during extraction of sand and ensure that due to this activity, the hydro-geological and ecological regime of the surrounding area shall not be affected. Regular monitoring of ground water level and quality shall be carried out around the mine lease area by establishing a network of existing wells, if any, and installing new piezometers during the mining operation.
- (xxii) The periodic monitoring [(at least four times in a year- pre-monsoon (April May), monsoon (August), post-monsoon (November) and winter (January)); once in each season)] shall be carried out in consultation with the State Ground Water Board/Central Ground Water Authority and the data thus collected may be sent regularly to the Ministry of Environment and Forests and its Regional Office at Chandigarh, the Central Ground Water Authority, the Regional Director, Central Ground Water Board; SEIAA, Punjab and Punjab Pollution Control Board. If at any stage, it is observed that the groundwater table is getting depleted or rising due to the mining activity, necessary corrective measures shall be carried out.

- (xxiii) The project proponent shall obtain necessary prior permission of the competent authorities/CGWA for drawl of requisite quantity of water (surface water and groundwater), if any, required for the project.
- (xxiv) In case, mining site falls in the notified block declared by the CGWA, the project proponent shall obtain necessary prior permission for drawl of requisite quantity of water for domestic purposes from District Advisory Committee (DAC) and only treated waste water will be used for dust suppression activities.
- (xxv) Adequate numbers (not less than 100) of tree shall be planted, protected, maintained and established in vacant area in the village near to the mining site.
- (xxvi) Appropriate mitigation measures shall be taken by the project proponent to prevent pollution at the mining site in consultation with the Punjab Pollution Control Board. It shall be ensured that there is no leakage of oil and grease at the mining site from the vehicles/mining equipment's used for transportation.
- (xxvii) Vehicular emissions shall be kept under control and regularly monitored. The project proponent shall ensure that, as far as possible, the transportation route will be away from the habitation area and will not pass through any village. The transportation hours of mined material shall be restricted to non-peak hours only.
- (xxviii) The mineral transportation shall be carried out through the covered trucks only and the vehicles carrying the mineral shall not be overloaded. All the public roads as well as approach roads shall be maintained and it shall be ensured that tippers carrying mined material are not loaded beyond the permissible load as per designed load bearing capacity of the road. Moreover, provision of sufficient funds shall be made in the budget for the proper maintenance of the roads.
- (xxix) Mineral handling area shall be provided with the adequate number of dust suppression systems. Loading and unloading areas including all the transfer points should also have efficient dust control arrangements. These should be properly maintained and operated.
- (xxx) A First Aid Room shall be provided in the project both during construction and operations of the project.
- (xxxi) Periodical medical examination of the workers engaged in the project shall be carried out and records maintained. For the purpose, schedule of health examination of the workers should be drawn and followed accordingly.
- (xxxii) Provision shall be made for the housing of workers, if residing at site, within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project. In case of non-residential/daily workers, provision of adequate bath rooms, mobile toilets, and mobile STP shall be made to avoid open defecation and treated domestic effluent shall be discharged onto land for plantation.
- (xxxiii) The municipal solid waste generated shall be disposed of as per Solid Waste Management Rules, 2016. Segregation of bio-degradable and non-biodegradable wastes shall be done at site and disposed of as per provisions of Solid Waste Management Rules. Dustbins will be provided at site and the workers will be

guided to put the domestic waste and plastic carry bags etc. if any, in the dustbin. No littering will be permitted at the site as well as in the vicinity.

(xxxiv) The critical parameters such as RSPM (Particulate matter with size less than 10 microns i.e., PM10) and NO in the ambient air within the impact zone shall be monitored periodically. Further, quality of discharged water shall also be monitored [(TDS, DO, PH, Faecal Coliform and Total Suspended Solids (TSS)]. The monitored data shall be uploaded on the website of the company as well as displayed on a display board at the project site at a suitable location near the main gate of the Company in public domain. The Circular No. J-20012/1/2006-IA. II(M) dated 27.05.2009 issued by Ministry of Environment and Forests, which is available on the website of the Ministry [www.envfor.nic.in](http://www.envfor.nic.in) shall also be referred in this regard for its compliance.

(xxxv) The project proponent shall take all precautionary measures during mining operation for conservation and protection of rare and endangered flora & fauna found in the study area. Action plan for conservation of flora and fauna shall be prepared in consultation with the State Forest and Wildlife Department. All the safeguard measures brought out in the Wildlife Conservation Plan so prepared specific to this project site shall be effectively implemented. Necessary allocation of funds for implementation of the conservation plan shall be made and the funds so allocated shall be included in the project cost. A copy of action plan shall be submitted to the Regional Office of the Ministry of Environment and Forests, Chandigarh and SEIAA, Punjab.

The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility (CER). The project proponent shall adhere to the commitments made in the proposal for CER and the amount to be spent on CER activities shall be proportionate to the amount spent on project & such activities shall run parallel to the project execution. All the activities must be completed with the completion of the project.

(xxxvi) Vehicles hired to be used for transportation of mined material should be in good condition and should conform to applicable air and noise emission standards as provided in the Vehicular Act.

(xxxvii) Ambient noise levels should conform to prescribed standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored.

(xxxviii) The Risk assessment and disaster management plan should be prepared.

(xxxix) The project proponent shall submit the site plan showing the earmarked area for storage of mined material.

(xl) No mining operation shall be carried out at any point within 75 m of railway line, 60 m from national highway, 50 m from HT line/any public works/reservoirs, tanks/canal/public roads and buildings or inhabited or 10 m of outer edge of any village road. A safety barrier as proposed in the mining plan shall be left intact around the mine lease boundary.

- (xli) The project proponent shall ensure the implementation of the post closure mining plan as proposed by the project proponent in the mining plan.
- (xlii) The project proponent shall comply with the condition imposed by District Forest Officer (DFO) while granting NOC.
- (xliii) The Project Proponent shall report monitoring data on air pollution, traffic management, levels of production and maintenance of Road etc.
- (xliv) The project proponent shall earmark at least two tubewells/ borewells/ wells as observation wells in the adjoining area within a radius of 500m of the project site and monthly monitoring of the depth is to be carried out. District Mining Officer is to monitor the same.

**B. General Conditions:**

- (i) No change in mining technology and scope of working should be made without prior approval of the Ministry of Environment, Forests & Climate Change.
- (ii) No change in the calendar plan including excavation, quantum of mineral sand/gravel (minor mineral) and waste should be made.
- (iii) Four ambient air quality-monitoring stations should be established in the core zone as well as in the buffer zone for RSPM (Particulate matter with size less than 10micron i.e., PM) and NO<sub>x</sub> monitoring. Location of the stations should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the Punjab Pollution Control Board.
- (iv) Data on ambient air quality RSPM (Particulate matter with size less than 10micron i.e., PM) & NO<sub>x</sub> should be regularly submitted to the Ministry of Environment and Forests including its Regional office located at Chandigarh and the Punjab Pollution Control Board / Central Pollution Control Board once in six months and SEIAA, Punjab.
- (v) Fugitive dust emissions from all the sources should be controlled regularly. Water spraying arrangement on haul roads, loading and unloading and at transfer points should be provided and properly maintained.
- (vi) Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects. Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.
- (vii) A separate environmental management cell with suitable qualified personnel should be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.
- (viii) The funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the Ministry of Environment and Forests and its Regional Office located at Chandigarh and SEIAA, Punjab.
- (ix) The project proponent should inform to the Regional Office of the Ministry of Environment & Forests located at Chandigarh and SEIAA, Punjab regarding date

of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.

- (x) The Regional Office of Ministry of Environment & Forests located at Chandigarh and Punjab Pollution Control Board shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information / monitoring reports.
- (xi) The project proponent shall submit six monthly reports on the status of compliance of the stipulated environmental clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the Ministry of Environment and Forests, its Regional Office Chandigarh, the respective Zonal Office of Central Pollution Control Board and the Punjab Pollution Control Board and SEIAA, Punjab. The proponent shall upload the status of compliance of the environmental clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of the Ministry of Environment and Forests, Chandigarh, the respective Zonal Office of Central Pollution Control Board and the Punjab Pollution Control Board and SEIAA, Punjab.
- (xii) A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parisad/ Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.
- (xiii) The Project Proponent should display a copy of the clearance letter at the Regional office, District Industries Centre and the Collector's office/ Tehsildar's office.
- (xiv) The environmental statement for each financial year ending 31 March in Form-V as is mandated to be submitted by the project proponent to the concerned Punjab Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the Regional Office of the Ministry of Environment and Forests, Chandigarh and SEIAA, Punjab by e-mail.
- (xv) The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility. The project proponent shall adhere to the commitments made in the Environment Management Plan and Corporate Social Responsibility.
- (xvi) The project proponent should advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the Punjab Pollution Control Board and also at web site of the Ministry of Environment and Forests at <http://envfor.nic.in> and a copy of the same should be forwarded to the Regional Office of Ministry of Environment & Forests at Chandigarh and SEIAA, Punjab.



- (xvii) The Ministry of Environment, Forests & Climate Change and SEIAA, Punjab or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.
- (xviii) The SEIAA may cancel the environmental clearance granted to this project under the provisions of EIA Notification, 2006, if, at any stage of the validity of this environmental clearance, it is found/ come to the knowledge of the SEIAA that the project proponent has deliberately concealed and/or submitted false or misleading information or inadequate data for obtaining the environmental clearance.
- (xix) The project proponent shall get the micro chemical analysis of the mined material done from an approved laboratory once in a year and shall submit the analysis results to the Ministry of Environment & Forests/Punjab Pollution Control Board and SEIAA, Punjab.
- (xx) The project proponent shall ensure that the contractor shall engage people of local area for mining purpose as far as possible, so as to have opportunities of employment for them.
- (xxi) The project proponent may apply for transfer of environmental clearance under EIA notification dated 14.09.2006 to the other contractor finalized by the Department of Industries & Commerce to SEIAA, Punjab. However, no activity shall be undertaken by the contractor till the environmental clearance is transferred in his name and he is lawfully bound to comply with the conditions of the environmental clearance.
- (xxii) The monitoring of the mining project in respect of Environment Management shall be carried out by the State/District Level Environment Management Cells constituted by the Govt. of Punjab vide notifications dated 03.12.2012.
- (xxiii) Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under.

**Annexure-II (For River bed)**

**A. Specific conditions:**

1. The environmental clearance will be valid for a period of seven years from the date of issuance, as per the provisions of the EIA Notification, 2006 as amended subsequently, for mining of minor minerals in the above said location and Khasra numbers.
2. The project proponent shall demarcate the mining lease area in the presence of Lambardar of the village, project proponent/ contractor, owner of the land and owner of the adjoining land, revenue officer & Mining Officer, etc. Mining lease area will be demarcated on the ground with pucca pillars with reference to some permanent benchmark before starting any mining activity at site.
3. Mining should begin only after pucca pillar marking the boundary of lease area is erected at the cost of the lease holder after certification by the mining official and its geo coordinates are made available to the District Level Committee.
4. Mining shall be carried out only by the manual method. No semi- mechanized or mechanized method of mining has been allowed as proposed in the mining plan.
5. No River sand mining be allowed in rainy season.
6. Annual replenishment report certified by an authorized agency shall be carried out. In case the replenishment is lower than the approved rate of production, then the mining activity / production levels shall be decreased / stopped accordingly till the replenishment is completed.
7. Ultimate working depth shall be up to 3.0 m from Riverbed level and not less than one meter from the water level of the River channel whichever is reached earlier.
8. In River flood plain mining a buffer of 3 meter to be left from the River bank for mining.
9. Mining shall be done in layers of 1 meter depth to avoid ponding effect and after first layer is excavated, the process will be repeated for the next layers.
10. To maintain safety and stability of Riverbanks i.e. 3 meter or 10% of the width of the River whichever is more will be left intact as no mining zone.
11. No stream should be diverted for the purpose of sand mining. No natural water course and/ or water resources are obstructed due to mining operations.
12. The EC holder shall keep a correct account of quantity of mineral mined out, dispatched from the mine, mode of transport, registration number of vehicle, person in-charge of vehicle and mine plan. This should be produced before officers of Central Government and State for inspection.
13. For each mining lease site the access should be controlled in a way that vehicles carrying mineral from that area are tracked and accounted for.
14. Mining shall not be undertaken in a mining lease located in 200 meter of bridge, 200 meter upstream and downstream of water supply / irrigation scheme, 100 meters from the edge of National Highway and railway line, 50 meters from a reservoir, canal or building, 25 meter from the edge of State Highway and 10

meters from the edge of other roads except on special exemption by the Sub-Divisional level Joint Inspection Committee.

15. For carrying out mining in proximity to any bridge or embankment, appropriate safety zone (not less than 200 meters) should be worked out on case to case basis, taking into account the structural parameters, location aspects and flow rate, and no mining should be carried out in the safety zone so worked out.
16. No mining operation shall be carried out at any point within 75 m of railway line, 50 m from HT line/any public works/reservoirs, tanks/canal/public roads and buildings or inhabited or 10 m of outer edge of any village road. A safety barrier as proposed in the mining plan shall be left intact around the mine lease boundary
17. Removal, stacking and utilization of top soil in mining are should be ensured. Where top soil cannot be used concurrently, it shall be stored separately for future use keeping in view that the bacterial organism should not die and should be spread nearby area.
18. Mining shall be as per the approved Development/Mining Plan prepared for this project and as per the Mines & Mineral (Development & Regulation) Act, 1957 and rules framed there under as amended from time to time, other Acts/rules related with mining of minor minerals.
19. The mining activity shall be carried out strictly as per guidelines contained in the Sustainable Sand Mining Management Guidelines 2016 and provisions made in the Enforcement & Monitoring Guidelines for Sand Mining, 2020 issued by MoEF&CC, New Delhi as amended from time to time and guidelines issued by Geological Survey of India.
20. The mining operation will be carried out only from sun-rise to sunset.
21. The project proponent shall earmark at least two tubewells/ borewells/ wells as observation wells in the adjoining area within a radius of 500m of the project site and monthly monitoring of the depth is to be carried out. District Mining Officer is to monitor the same.
22. The project proponent shall obtain Consent to Establish and Consent to Operate from the Punjab Pollution Control Board and effectively implement all the conditions stipulated therein.
23. The project proponent shall observe the mining site after every 15 days and in case, a Schedule-I or Schedule-II species as per Wildlife Act or any rare or endangered species are reported, the Mining Officer will get a conservation plan prepared in consultation with the Department of Wildlife and ensure its implementation.
24. The mining of minor mineral (sand) shall be carried out only up to depth \_\_\_\_\_m of the demarcated riverbed level or above the groundwater level, whichever is less.
25. The mining shall be carried out by the contractor/lessor as per the EMP prepared and development / mining plan prepared as per the Mines & Mineral (Development & Regulation) Act, 1957 / other Acts/Rules related with mining of minor minerals.
26. The Project Proponent and Mining Officer shall ensure that wherever deployment of labour attracts the Mines Act, the provision thereof shall be strictly followed.

27. The project proponent shall undertake plantation/afforestation work by planting the native species in the nearby area adjacent to mine lease.
28. The project proponent shall ensure that effective safeguard measures, such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of particulate matter such as loading and unloading point and all transfer points. Extensive water sprinkling shall be carried out on haul roads. It should be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Ministry of Environment & Forests/Punjab Pollution Control Board in this regard.
29. The project proponent shall undertake adequate safeguard measures during extraction of sand and ensure that due to this activity, the hydro-geological and ecological regime of the surrounding area shall not be affected. Regular monitoring of ground water level and quality shall be carried out around the mine lease area by establishing a network of existing wells, if any, and installing new piezometers during the mining operation.
30. The periodic monitoring [(at least four times in a year- pre-monsoon (April May), monsoon (August), post-monsoon (November) and winter (January); once in each season)] shall be carried out in consultation with the State Ground Water Board/Central Ground Water Authority and the data thus collected may be sent regularly to the Ministry of Environment and Forests and its Regional Office at Chandigarh, the Central Ground Water Authority, the Regional Director, Central Ground Water Board; SEIAA, Punjab and Punjab Pollution Control Board. If at any stage, it is observed that the groundwater table is getting depleted or rising due to the mining activity, necessary corrective measures shall be carried out.
31. The project proponent shall obtain necessary prior permission of the competent authorities/CGWA for drawl of requisite quantity of water (surface water and groundwater), if any, required for the project.
32. In case, mining site falls in the notified block declared by the CGWA, the project proponent shall obtain necessary prior permission for drawl of requisite quantity of water for domestic purposes from District Advisory Committee (DAC) and only treated waste water will be used for dust suppression activities.
33. Adequate numbers (not less than 100) of tree shall be planted, protected, maintained and established in vacant area in the village near to the mining site.
34. Appropriate mitigation measures shall be taken by the project proponent to prevent pollution at the mining site in consultation with the Punjab Pollution Control Board. It shall be ensured that there is no leakage of oil and grease at the mining site from the vehicles/mining equipment's used for transportation.
35. Vehicular emissions shall be kept under control and regularly monitored. The project proponent shall ensure that, as far as possible, the transportation route will be away from the habitation area and will not pass through any village. The transportation hours of mined material shall be restricted to non-peak hours only.
36. The mineral transportation shall be carried out through the covered trucks only and the vehicles carrying the mineral shall not be overloaded. All the public roads as well as approach roads shall be maintained and it shall be ensured that tippers carrying mined material are not loaded beyond the permissible load as per

- designed load bearing capacity of the road. Moreover, provision of sufficient funds shall be made in the budget for the proper maintenance of the roads.
37. Mineral handling area shall be provided with the adequate number of dust suppression systems. Loading and unloading areas including all the transfer points should also have efficient dust control arrangements. These should be properly maintained and operated.
  38. A First Aid Room shall be provided in the project both during construction and operations of the project.
  39. Periodical medical examination of the workers engaged in the project shall be carried out and records maintained. For the purpose, schedule of health examination of the workers should be drawn and followed accordingly.
  40. Provision shall be made for the housing of workers, if residing at site, within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project. In case of non-residential/daily workers, provision of adequate bath rooms, mobile toilets, and mobile STP shall be made to avoid open defecation and treated domestic effluent shall be discharged onto land for plantation.
  41. The municipal solid waste generated shall be disposed of as per Solid Waste Management Rules, 2016. Segregation of bio-degradable and non-biodegradable wastes shall be done at site and disposed of as per provisions of Solid Waste Management Rules. Dustbins will be provided at site and the workers will be guided to put the domestic waste and plastic carry bags etc. if any, in the dustbin. No littering will be permitted at the site as well as in the vicinity.
  42. The critical parameters such as RSPM (Particulate matter with size less than 10 microns i.e., PM10) and NO in the ambient air within the impact zone shall be monitored periodically. Further, quality of discharged water shall also be monitored [(TDS, DO, PH, Faecal Coliform and Total Suspended Solids (TSS)]. The monitored data shall be uploaded on the website of the company as well as displayed on a display board at the project site at a suitable location near the main gate of the Company in public domain. The Circular No. J-20012/1/2006-IA. II(M) dated 27.05.2009 issued by Ministry of Environment and Forests, which is available on the website of the Ministry [www.envfor.nic.in](http://www.envfor.nic.in) shall also be referred in this regard for its compliance.
  43. The project proponent shall take all precautionary measures during mining operation for conservation and protection of rare and endangered flora & fauna found in the study area. Action plan for conservation of flora and fauna shall be prepared in consultation with the State Forest and Wildlife Department. All the safeguard measures brought out in the Wildlife Conservation Plan so prepared specific to this project site shall be effectively implemented. Necessary allocation of funds for implementation of the conservation plan shall be made and the funds so allocated shall be included in the project cost. A copy of action plan shall be submitted to the Regional Office of the Ministry of Environment and Forests, Chandigarh and SEIAA, Punjab.

The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility (CER). The project proponent shall adhere to the commitments made in the proposal for CER and the amount to be spent on CER activities shall be proportionate to the amount spent on project & such activities shall run parallel to the project execution. All the activities must be completed with the completion of the project.

44. Vehicles hired to be used for transportation of mined material should be in good condition and should conform to applicable air and noise emission standards as provided in the Vehicular Act.
45. Ambient noise levels should conform to prescribed standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored.
46. The Risk assessment and disaster management plan should be prepared.
47. The project proponent shall submit the site plan showing the earmarked area for storage of mined material.
48. The project proponent shall ensure the implementation of the post closure mining plan as proposed by the project proponent in the mining plan.
49. The project proponent shall comply with the condition imposed by District Forest Officer (DFO) while granting NOC.
50. The Project Proponent shall report monitoring data on replenishment, traffic management, levels of production, River Bank erosion and maintenance of Road etc.
51. The project proponent shall earmark at least two tubewells/ borewells/ wells as observation wells in the adjoining area within a radius of 500m of the project site and monthly monitoring of the depth is to be carried out. District Mining Officer is to monitor the same.
52. The Mining Officer shall adopt and follow the procedure for monitoring of sand mining as given in the Appendix-xii of Notification No. S.O. 141 (E) dated 15.01.2016 issued by MoEF & CC for streamlining the process of environmental clearance for mining of minor mineral.

**B. General Conditions:**

1. No change in mining technology and scope of working should be made without prior approval of the Ministry of Environment, Forests & Climate Change.
2. No change in the calendar plan including excavation, quantum of mineral sand/gravel (minor mineral) and waste should be made.
3. Four ambient air quality-monitoring stations should be established in the core zone as well as in the buffer zone for RSPM (Particulate matter with size less than 10micron i.e., PM) and NO<sub>x</sub> monitoring. Location of the stations should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the Punjab Pollution Control Board.

4. Data on ambient air quality RSPM (Particulate matter with size less than 10micron i.e., PM) & NOx should be regularly submitted to the Ministry of Environment and Forests including its Regional office located at Chandigarh and the Punjab Pollution Control Board / Central Pollution Control Board once in six months and SEIAA, Punjab.
5. Fugitive dust emissions from all the sources should be controlled regularly. Water spraying arrangement on haul roads, loading and unloading and at transfer points should be provided and properly maintained.
6. Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects. Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.
7. A separate environmental management cell with suitable qualified personnel should be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.
8. The funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the Ministry of Environment and Forests and its Regional Office located at Chandigarh and SEIAA, Punjab.
9. The project proponent should inform to the Regional Office of the Ministry of Environment & Forests located at Chandigarh and SEIAA, Punjab regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.
10. The Regional Office of Ministry of Environment & Forests located at Chandigarh and Punjab Pollution Control Board shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information / monitoring reports.
11. The project proponent shall submit six monthly reports on the status of compliance of the stipulated environmental clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the Ministry of Environment and Forests, its Regional Office Chandigarh, the respective Zonal Office of Central Pollution Control Board and the Punjab Pollution Control Board and SEIAA, Punjab. The proponent shall upload the status of compliance of the environmental clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of the Ministry of Environment and Forests, Chandigarh, the respective Zonal Office of Central Pollution Control Board and the Punjab Pollution Control Board and SEIAA, Punjab.
12. A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parisad/ Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.

13. The Project Proponent should display a copy of the clearance letter at the Regional office, District Industries Centre and the Collector's office/ Tehsildar's office.
14. The environmental statement for each financial year ending 31 March in Form-V as is mandated to be submitted by the project proponent to the concerned Punjab Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the Regional Office of the Ministry of Environment and Forests, Chandigarh and SEIAA, Punjab by e-mail.
15. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility. The project proponent shall adhere to the commitments made in the Environment Management Plan and Corporate Social Responsibility.
16. The project proponent should advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the Punjab Pollution Control Board and also at web site of the Ministry of Environment and Forests at <http://envfor.nic.in> and a copy of the same should be forwarded to the Regional Office of Ministry of Environment & Forests at Chandigarh and SEIAA, Punjab.
17. The Ministry of Environment, Forests & Climate Change and SEIAA, Punjab or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.
18. The SEIAA may cancel the environmental clearance granted to this project under the provisions of EIA Notification, 2006, if, at any stage of the validity of this environmental clearance, it is found/ come to the knowledge of the SEIAA that the project proponent has deliberately concealed and/or submitted false or misleading information or inadequate data for obtaining the environmental clearance.
19. The project proponent shall get the micro chemical analysis of the mined material done from an approved laboratory once in a year and shall submit the analysis results to the Ministry of Environment & Forests/Punjab Pollution Control Board and SEIAA, Punjab.
20. The project proponent shall ensure that the contractor shall engage people of local area for mining purpose as far as possible, so as to have opportunities of employment for them.
21. The project proponent may apply for transfer of environmental clearance under EIA notification dated 14.09.2006 to the other contractor finalized by the Department of Industries & Commerce to SEIAA, Punjab. However, no activity shall be undertaken by the contractor till the environmental clearance is transferred in his name and he is lawfully bound to comply with the conditions of the environmental clearance.



22. The monitoring of the mining project in respect of Environment Management shall be carried out by the State/District Level Environment Management Cells constituted by the Govt. of Punjab vide notifications dated 03.12.2012.
23. Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under.

**Standard Terms of Reference (TOR) for Mining Project@@@**

- 1) Submit dully filled checklist with the application of environmental clearance.
- 2) Deposit the requisite fee as per Notification No. 10/167/2013-STE(5)/1510178 dated 27.06.2019 issued by the Govt. of Punjab, Department of Science, Technology, and Environment
- 3) Project Proponent is required to conduct public hearing in light of the OM dated 12.12.2018 issued by MoEF. The draft EIA-EMP report shall be submitted to the Punjab Pollution Control Board of the concerned State for the conduct of Public Hearing. The PPCB shall conduct the Public Hearing district-wise, as per the provisions of EIA notification,2006. The Public Hearing shall be chaired by an Officer, not below the rank of Additional District Magistrate.
- 4) Ensure participation of the adjoining land owners of the mining site during the public consultation. Their grievances, if any,be addressed and compliance thereof be incorporated in the EIA report.
- 5) Submission of Final District survey report, containing apart from other details as mentioned in the guidelines of 2016, specifically including the following points:
  - a) Recommendation regarding Environmentally safe depth of mining, safe distance from banks and suitability of site for mining or prohibition thereof, duly signed by the members of the Sub Divisional Committee comprising of Sub-Divisional Magistrate, Officers from Irrigation Department, State Pollution Control Board or Committee, Forest department, Geology or mining officer.
  - b) Submit the annual replishment report certified by an authorized agency in case of river bed mining. In case the replishment is lower than the approved rate of production then mining activity/production level shall be decreased/ stopped accordingly till the replishment study is completed.
- 6) Examine no use of semi-mechanized/mechanized method shall be allowed as Standard EC conditions provided in the Guidelines, 2016 provided that manual method of mining shall be preferred over any other method otherwise submit proper justification of use of semi-mechanized/mechanized method, if any, over the manual method of mining considering the location, thickness of sand deposition, agriculture land/river bed, with detailed calculations and benefits to be achieved for the Environment.
- 7) The Project proponent shall provide the exact coordinates of all the corners of the site and the shortest distance of mining site from the followings: -
  - a. Protected area notified under the Wildlife (Protection) Act, 1972.
  - b. Critically Polluted areas as identified by the Central Pollution Control Board from time to time,

- c. Eco-sensitive areas as notified under section 3 of the Environment (Protection) Act, 1986,
  - d. Inter-State boundaries and international boundaries.
- 7) *Submit a copy of visit report of Sub Divisional committee comprising of Sub-Divisional Magistrate, Officers from Irrigation Department, State Pollution Control Board or Committee, Forest department, Geology or mining officer indicating the recommendation regarding the Environmentally safe depth of mining, a safe distance from banks and suitability of the site for mining or prohibition thereof as per the Sustainable Sand Mining Management Guidelines, (SSMMG)-2016 issued by MOEF&CC.*
  - 8) Demarcation of the mining site in the presence of the Revenue officer, Mining officer, Lambardar, project proponent/ contractor, owner of the land and owners of the adjoining land and submission of the demarcation report duly signed by them.
  - 9) Submit complete transportation plan giving detailed procedure (details of route plan to be followed by trucks transporting minor minerals with traffic volume data etc.)
  - 10) Submit a copy of ownership of land such as copy of latest jamabandi and consent of all the owner of land.
  - 11) A copy of Mining Plan dully approved by the State Geologist
  - 12) Submit the contour plan showing river bed level, water level and present surface levels at various cross sections etc.
  - 13) Red line to be marked on the x-sections in case riverbed mining.
  - 14) Submit 1.0 Km radius map of the area from periphery of project site clearly indicating the physical features.
  - 15) Submit an undertaking to the effect that there is no other mine within 500 m. radius from the periphery of this site.
  - 16) Submit photographs of the mining site taken from all the four sides mentioning the coordinates of the project.
  - 17) Mining lay out plan showing key distances of the mining site from the various features such as river bank, active channels, bundh and other structures in the vicinity, if any, drawn on portion of 'Aks Sajra' of the mining site, so as to ensure that minimum statutory distances are maintained. The route map to be followed should also be marked on the layout plan.
  - 18) Submit Corporate Environment Responsibility (CER) Plan as per the OM dated 01.05.2018
  - 19) The project proponent is required to get the hydrogeological survey of the

- existing water level done and to submit the impact on the water level regime due to the project. This report is required to be submitted at the time of submission of the EIA report.
- 20) The project proponent shall submit site specific rain water harvesting details at the time of submission of EIA report.
  - 21) The project proponent is required to submit a report regarding the preservation of topsoil excavated during the mining process at the time of submission of the EIA report.
  - 22) Year-wise production details since 1994 should be given, clearly stating the highest production achieved in any one year prior to 1994. It may also be categorically informed whether there had been any increase in production after the EIA Notification 1994 came into force, w.r.t. the highest production achieved prior to 1994.
  - 23) Submit a copy of the document in support of the fact that the Proponent is the rightful lessee of the mine such as letter of Intent (LOI) from the State government /Allotment letter of mining site etc.
  - 24) All documents including approved mine plan, EIA and Public Hearing should be compatible with one another in terms of the mine lease area, production levels, waste generation and its management, mining technology etc. and should be in the name of the lessee.
  - 25) All corner coordinates of the mine lease area, superimposed on a High-Resolution Imagery/toposheet, topographic sheet, geomorphology and geology of the area should be provided. Such an Imagery of the proposed area should clearly show the land use and other ecological features of the study area (core and buffer zone).
  - 26) Information should be provided in Survey of India Toposheet in 1:50,000 scale indicating geological map of the area, geomorphology of land forms of the area, existing minerals and mining history of the area, important water bodies, streams and rivers and soil characteristics.
  - 27) Details about the land proposed for mining activities should be given with information as to whether mining conforms to the land use policy of the State; land diversion for mining should have approval from State land use board or the concerned authority.
  - 28) It should be clearly stated whether the proponent Company has a well laid down Environment Policy approved by its Board of Directors? If so, it may be spelt out in the EIA Report with description of the prescribed operating process/procedures to bring into focus any infringement/deviation/violation of the environmental or forest norms/ conditions? The hierarchical system or administrative order of the Company to deal with the environmental issues and for ensuring compliance with the EC conditions may also be given. The system of reporting of non-compliances / violations of environmental norms to the Board

of Directors of the Company and/or shareholders or stakeholders at large, may also be detailed in the proposed safeguard measures in each case should also be provided.

- 29) Issues relating to Mine Safety, including subsidence study in case of underground mining and slope study in case of open cast mining should be detailed. The proposed safeguard measures in each case should also be provided.
- 30) The study area will comprise of 10 km zone around the mine lease from lease periphery and the data contained in the EIA such as waste generation etc. should be for the life of the mine / lease period.
- 31) Land use of the study area delineating forest area, agricultural land, grazing land, wildlife sanctuary, national park, migratory routes of fauna, water bodies, human settlements and other ecological features should be indicated. Land use plan of the mine lease area should be prepared to encompass preoperational, operational and post operational phases and submitted. Impact, if any, of change of land use should be given.
- 32) Details of the land for any Over Burden Dumps outside the mine lease, such as extent of land area, distance from mine lease, its land use, R&R issues, if any, should be given.
- 33) A Certificate from the Competent Authority in the State Forest Department should be provided, confirming the involvement of forest land, if any, in the project area. In the event of any contrary claim by the Project Proponent regarding the status of forests, the site may be inspected by the State Forest Department along with the Regional Office of the Ministry to ascertain the status of forests, based on which, the Certificate in this regard as mentioned above be issued. In all such cases, it would be desirable for representative of the State Forest Department to assist the Expert Appraisal Committees.
- 34) Status of forestry clearance for the broken-up area and virgin forestland involved in the Project including deposition of net present value (NPV) and compensatory afforestation (CA) should be indicated. A copy of the forestry clearance should also be furnished.
- 35) Implementation status of recognition of forest rights under the Scheduled Tribes and other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 should be indicated.
- 36) The vegetation in the RF / PF areas in the study area, with necessary details, should be given.
- 37) A study shall be got done to ascertain the impact of the Mining Project on wildlife of the study area and details furnished. Impact of the project on the wildlife in the surrounding and any other protected area and accordingly, detailed mitigative measures required, should be worked out with cost implications and

submitted.

- 38) Location of National Parks, Sanctuaries, Biosphere Reserves, Wildlife Corridors, Ramsar site Tiger/Elephant Reserves/(existing as well as proposed), if any, within 10 km of the mine lease should be clearly indicated, supported by a location map duly authenticated by Chief Wildlife Warden. Necessary clearance, as may be applicable to such projects due to proximity of the ecologically sensitive areas as mentioned above, should be obtained from the Standing Committee of National Board of Wildlife and copy furnished.
- 39) A detailed biological study of the study area [core zone and buffer zone (10 km radius of the periphery of the mine lease)] shall be carried out. Details of flora and fauna, endangered, endemic and RET Species duly authenticated, separately for core and buffer zone should be furnished based on such primary field survey, clearly indicating the Schedule of the fauna present. In case of any scheduled-I fauna found in the study area, the necessary plan alongwith budgetary provisions for their conservation should be prepared in consultation with State Forest and Wildlife Department and details furnished. Necessary allocation of funds for implementing the same should be made as part of the project cost.
- 40) Proximity to Areas declared as 'Critically Polluted' or the Project areas attracting court restrictions for mining operations, should also be indicated and where so required, clearance certifications from the prescribed Authorities, such as the SPCB or State Mining Dept. Should be secured and furnished to the effect that the proposed mining activities could be considered.
- 41) R&R Plan/compensation details for the Project Affected People (PAP) should be furnished. While preparing the R&R Plan, the relevant State/National Rehabilitation & Resettlement Policy should be kept in view. In respect of SCs /STs and other weaker sections of the society in the study area, a need based sample survey, family-wise, should be undertaken to assess their requirements, and action programmes prepared and submitted accordingly, integrating the sectoral programmes of line departments of the State Government. It may be clearly brought out whether the village(s) located in the mine lease area will be shifted or not. The issues relating to shifting of village(s) including their R&R and socio-economic aspects should be discussed in the Report.
- 42) One season (non-monsoon) [i.e. March - May (Summer Season); October - December (post monsoon season); December - February (winter season)] primary baseline data on ambient air quality as per CPCB Notification of 2009, water quality, noise level, soil and flora and fauna shall be collected and the AAQ and other data so compiled presented date-wise in the EIA and EMP Report. Site-specific meteorological data should also be collected. The location of the monitoring stations should be such as to represent whole of the study area and justified keeping in view the pre-dominant downwind direction and location of sensitive receptors. There should be at least one monitoring station within 500 m of the mine lease in the pre-dominant downwind direction. The mineralogical composition of PM10, particularly for free silica, should be given.

- 43) Air quality modeling should be carried out for prediction of impact of the project on the air quality of the area. It should also take into account the impact of movement of vehicles for transportation of mineral. The details of the model used and input parameters used for modelling should be provided. The air quality contours may be shown on a location map clearly indicating the location of the site, location of sensitive receptors, if any, and the habitation. The wind roses showing pre-dominant wind direction may also be indicated on the map.
- 44) The water requirement for the Project, its availability, source and zone should be furnished. A detailed water balance should also be provided. Fresh water requirement for the Project should be indicated.
- 45) Necessary clearance from the Competent Authority for drawl of requisite quantity of water for the Project should be provided.
- 46) Description of water conservation measures proposed to be adopted in the Project should be given. Details of rainwater harvesting proposed in the Project, if any, should be provided.
- 47) Impact of the Project on the water quality, both surface and groundwater, should be assessed and necessary safeguard measures, if any required, should be provided.
- 48) Based on actual monitored data, it may clearly be shown whether working will intersect groundwater. Necessary data and documentation in this regard may be provided. In case the working will intersect groundwater table, a detailed Hydro Geological Study should be undertaken and Report furnished. The Report inter-alia, shall include details of the aquifers present and impact of mining activities on these aquifers. Necessary permission from Central Ground Water Authority for working below ground water and for pumping of ground water should also be obtained and copy furnished.
- 49) Details of any stream, seasonal or otherwise, passing through the lease area and modification / diversion proposed, if any, and the impact of the same on the hydrology should be.
- 50) Information on site elevation, working depth, groundwater table etc. Should be provided both in AMSL and BGL. A schematic diagram may also be provided for the same.
- 51) A time bound Progressive Greenbelt Development Plan shall be prepared in a tabular form (indicating the linear and quantitative coverage, plant species and time frame) and submitted, keeping in mind, the same will have to be executed up front on commencement of the Project. Phase-wise plan of plantation and compensatory afforestation should be charted clearly indicating the area to be covered under plantation and the species to be planted. The details of plantation already done should be given. The plant species selected for green belt should have greater ecological value and should be of good utility value to the local

population with emphasis on local and native species and the species which are tolerant to pollution.

- 52) Impact on local transport infrastructure due to the Project should be indicated. Projected increase in truck traffic as a result of the Project in the present road network (including those outside the Project area) should be worked out, indicating whether it is capable of handling the incremental load. Arrangement for improving the infrastructure, if contemplated (including action to be taken by other agencies such as State Government) should be covered. Project Proponent shall conduct Impact of Transportation study as per Indian Road Congress Guidelines.
- 53) Details of the onsite shelter and facilities to be provided to the mine workers should be included in the EIA Report.
- 54) Conceptual post mining land use and Reclamation and Restoration of mined out areas (with plans and with adequate number of sections) should be given in the EIA report.
- 55) Occupational Health impacts of the Project should be anticipated and the proposed preventive measures spelt out in detail. Details of pre-placement medical examination and periodical medical examination schedules should be incorporated in the EMP. The project specific occupational health mitigation measures with required facilities proposed in the mining area may be detailed.
- 56) Public health implications of the Project and related activities for the population in the impact zone should be systematically evaluated and the proposed remedial measures should be detailed along with budgetary allocations.
- 57) Measures of socio economic significance and influence to the local community proposed to be provided by the Project Proponent should be indicated. As far as possible, quantitative dimensions may be given with time frames for implementation.
- 58) Detailed environmental management plan (EMP) to mitigate the environmental impacts which, should inter-alia include the impacts of change of land use, loss of agricultural and grazing land, if any, occupational health impacts besides other impacts specific to the proposed Project.
- 59) Public Hearing points raised and commitment of the Project Proponent on the same along with time bound Action Plan with budgetary provisions to implement the same should be provided and also incorporated in the final EIA/EMP Report of the Project.
- 60) Submit an undertaking to the effect that no litigation/court case is pending before any court of law against the project and/or on land in which mining is to be carried out else submit the details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
- 61) The cost of the Project (capital cost and recurring cost) as well as the cost towards implementation of EMP should be clearly spelt out.



- 62) A Disaster Management Plan shall be prepared and included in the EIA/EMP Report.
- 63) Benefits of the Project if the Project is implemented should be spelt out. The benefits of the Project shall clearly indicate environmental, social, economic, employment potential, etc.
- 64) Besides the above, the below mentioned general points are also to be followed:
- a. The EIA document shall be printed on both sides, as for as possible.
  - b. All documents to be properly referenced with index and continuous page numbering.
  - c. The copy of the letter received from the Ministry / SEIAA shall be also attached as an annexure to the final EIA-EMP Report.
  - d. Where data are presented in the Report especially in Tables, the period in which the data were collected and the sources should be indicated.
  - e. Project Proponent shall enclose all the analysis/testing reports of water, air, soil, noise etc. using the MoEF&CC/NABL accredited laboratories. All the original analysis/testing reports should be available during appraisal of the Project.
  - f. Where the documents provided are in a language other than English, an English translation should be provided.
  - g. The Questionnaire for environmental appraisal of mining projects as devised earlier by the Ministry shall also be filled and submitted.
  - h. While preparing the EIA report, the instructions for the Proponents and instructions for the Consultants issued by MoEF vide O.M. No. J- 11013/41/2006-IA.II (I) dated 4th August, 2009, which are available on the website of this Ministry, should be followed.
  - i. Changes, if any made in the basic scope and project parameters (as submitted in Form-I and the PFR for securing the TOR) should be brought to the attention of MoEF&CC with reasons for such changes and permission should be sought, as the TOR may also have to be altered. Post Public Hearing changes in structure and content of the draft EIA/EMP (other than modifications arising out of the P.H. process) will entail conducting the PH again with the revised documentation.
  - j. As per the circular no. J-11011/618/2010-IA. II (I) dated 30.5.2012, certified report of the status of compliance of the conditions stipulated in the environment clearance for the existing operations of the project, should be obtained from the Regional Office of Ministry of Environment, Forest and Climate Change, as may be applicable.
  - k. The EIA report should also include

- (i) surface plan of the area indicating contours of main topographic features, drainage and mining area,
  - (ii) geological maps and sections and
  - (iii) Sections of the mine pit and external dumps, if any, clearly showing the land features of the adjoining area.
- I. Submit a copy of presentation in PPT format along with application.
- 65) The 'Terms of Reference' (TORs) prescribed will be valid for a period of three years from its issuance. The final EIA report shall be submitted to the SEIAA, Punjab for obtaining environmental clearance.

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