

**Proceedings of 195th meeting of State Expert Appraisal Committee (SEAC)
held on 24.10.2020 at 10:30 am in the Conference Hall of MGSIPA at 1st
Floor, MGSIPA Complex, Sector-26, Chandigarh.**

The following members were present: -

Sr. No.	Name of SEAC Member	Designation in SEAC
1.	Er. Yogesh Gupta	Chairman
2.	Er. Pardeep Garg	Secretary
3.	Er. Nirmal Singh Kahlon	Member
4.	Sh. A.K Bhatia	Member
5.	Dr. Pawan Krishan	Member
6.	Dr. Harpreet Kaur	Member
7.	Sh. V. K Singhal	Member
8.	Dr. Adarsh Pal Vig	Member (Through VC)

At the outset, Secretary, SEAC welcomed the members of the State Expert Appraisal Committee (SEAC) and thanks all the Members for their continuous support and extending cooperation for conducting the meetings even at short notice for appraising the various cases for grant of Environmental Clearance in the present term.

Item No. 01: Confirmation of the proceedings of 194th meetings of State Level Expert Appraisal Committee held on 23.10.2020.

SEAC was apprised that draft proceedings of the 194th meeting of State Level Expert Appraisal Committee meeting held on 23.10.2020 are being prepared.

Item No. 02: Action taken on the proceedings of the 194th meeting of the State Level Expert Appraisal Committee held on 23.10.2020.

SEAC was apprised that action taken on the proceedings of 194th meeting of the State Level Expert Appraisal Committee held on 23.10.2020 will be taken after the confirmation of the proceedings.

Item No 195.01: 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.

1.1 Deliberations during the 195th meeting of SEAC held on 24.10.2020

The case was considered by SEAC in its 195th 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 perused the construction status report sent by the PPCB vide letter no. 4183 dated 23.10.2020. SEAC observed that the project proponent has not carried out any construction at the 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 partial boundary wall towards the far end of the project facing proposed Block – B (as per the proposed site plan submitted). There exists a newly constructed club house adjoining the 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.

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:

Sr.No.	Item	Details
1.	Online Proposal No.	SIA/PB/MIS/156308/2020
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. 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	No No

	distance from the project site. b) Status of clearance from National Board for Wild Life (NBWL).	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	<p>FOR NEW PROJECTS:</p> <table border="1" style="margin-left: 20px;"> <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 & shops</td> <td>492 flats & 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: 20px;"> <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>334</td> <td>224</td> <td>110</td> <td>26</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> </tr> <tr> <td>3</td> <td>Rainy</td> <td>334</td> <td>224</td> <td>110</td> <td>3</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"> Treated waste water will be used during construction stage of the project. (From STP of M.C) Recirculation of sewerage effluent. 																																	
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 =267 KLD, which will be treated in the STP of capacity 400 KLD to be installed in the project premises.</p> <table border="1" style="margin-left: 20px;"> <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>110</td> <td>26</td> <td>131</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																							
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		2.	Winter	110	7	150
		3.	Rainy	110	3	154
18.	Rain water recharging detail	12661 m ³ /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: • Solar Light 10 No = 15 KWHD • Common area (300) light bulbs replaced with LED =162 KWHD • Total Energy saved/day 15+162 = 177 KWHD				
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 Cost (Rs)	Recurring Cost (Rs)		
		Construction	140.50 lac	13.90		
		Operation		17.40		
23	CER activities along with budgetary break up and responsibility to implement	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: 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				

		<p>prescribed for such type of projects. (Applicable to EC projects) yes</p> <p>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.</p> <p>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.</p>
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SEAC was satisfied with the presentation submitted by the project proponent and the reply submitted by the project proponent.

2.0 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 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 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 purposes (KLD)	Green Area (KLD)	MC Sewer KLD
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.

Item No 195.02: 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.

1.1 Deliberations during the 195th meeting of SEAC held on 24.10.2020

The case was considered by SEAC in its 195th 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 perused the construction status report sent by PPCB vide letter no. 4163 dated 22.10.2020. As per the report, 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 please.

The Project proponent submitted that the commercial complex 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:

Sr.No.	Item	Details
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 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>9991Sqm</td> </tr> <tr> <td>Built-up area</td> <td>29104 Sqm</td> </tr> <tr> <td>Green area</td> <td>2257 SQM</td> </tr> <tr> <td>Flats & shops</td> <td>210 flats & 5 shops</td> </tr> </tbody> </table>	"Table A"		Land	9991Sqm	Built-up area	29104 Sqm	Green area	2257 SQM	Flats & shops	210 flats & 5 shops																											
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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):	<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>142</td> <td>95</td> <td>47</td> <td>12</td> <td>--</td> <td></td> </tr> <tr> <td>2</td> <td>Winter</td> <td>142</td> <td>95</td> <td>47</td> <td>4</td> <td></td> <td></td> </tr> <tr> <td>3</td> <td>Rainy</td> <td>142</td> <td>95</td> <td>47</td> <td>1</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	142	95	47	12	--		2	Winter	142	95	47	4			3	Rainy	142	95	47	1		
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3	Rainy	142	95	47	1																																		
15.	Source of Water	<ul style="list-style-type: none"> • Treated waste water will be used during construction stage of the project. (From STP of M.C) • Recirculation of sewerage effluent. 																																					
16.	Treatment & Disposal arrangements of waste	Septic Tank of capacity 10 KLD and disposal in to green area																																					

	water in Construction Phase																					
17.	Disposal Arrangement of Waste water in Operation Phase	<p>Total =114 KLD, which will be treated in the STP of capacity 175 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>47</td> <td>12</td> <td>43</td> </tr> <tr> <td>2.</td> <td>Winter</td> <td>47</td> <td>4</td> <td>51</td> </tr> <tr> <td>3.</td> <td>Rainy</td> <td>47</td> <td>1</td> <td>54</td> </tr> </tbody> </table>	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
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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 & EWaste	<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 & 2x 125 KVA</p> <p>Energy Saving measures:</p> <ul style="list-style-type: none"> • Solar Light 10 No = 15 KWHD • Common area (150) light bulbs replaced with LED = 81 KWHD • Total Energy saved/day 15+81 = 96 KWHD 																				
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											
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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</p>																				

		(to be provided by the Department of Rural Developments and Panchayats, Govt. of Punjab), as per the design evolved by Punjab Pollution control Board. b) The implementation of the CSR 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.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. c) The MC Kharar has issued certificate vide letter no 260 dated 24/02/2020.

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 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 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:-

Sr. No.	Season	For Flushing purposes (KLD)	Green Area (KLD)	MC Sewer KLD
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.

Item No 195.03: 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.

1.1 Deliberations during the 195th meeting of SEAC held on 24.10.2020

The case was considered by SEAC in its 195th 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.	SIA/PB/NCP/63304/2017
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,	No

	c) Extent of the forest land. d) Status of the forest clearance.				
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):						
	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		
15.	Source of Water	<ul style="list-style-type: none"> Treated waste water will be used in the construction (STP installed with in project) Earlier the permission from the CGWA has been obtained and now revised has been applied. Recirculation of treated water. 					
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 =230 KLD, which will be treated in the STP of capacity 250 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	65	15	117	
		2.	Winter	65	5	127	
3.	Rainy	65	0	132			
18.	Rain water recharging detail	5845 m ³ /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"> • Solar Light 10 No = 15 KWHD • Common area (300) light bulbs(60W) replaced with LED 15 W = 287 KWHD • Energy Saving @2200 KWH annually with 100 liters solar heated water use/day • Energy Saved for use of 3000 lit hot water/day $1000 \times 2200 / 100 = 21450$ KWH/year = 60KWHD • Total Energy saved/day = 362 KWHD 									
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>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"> • 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. • The implementation of the CSR will be responsibility of the partner of the company 									
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> <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</p>									

		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 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 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:-

Sr. No.	Season	For Flushing purposes (KLD)	Green Area (KLD)	MC Sewer KLD
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.

Item No.195.04: 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	<table border="1"> <thead> <tr> <th>Point</th> <th>Latitude</th> <th>Longitude</th> </tr> </thead> <tbody> <tr><td>A</td><td>30°40'43.06"N</td><td>76°15'44.20"E</td></tr> <tr><td>B</td><td>30°40'44.31"N</td><td>76°15'43.02"E</td></tr> <tr><td>C</td><td>30°40'46.68"N</td><td>76°15'43.47"E</td></tr> <tr><td>D</td><td>30°40'46.85"N</td><td>76°15'42.35"E</td></tr> <tr><td>E</td><td>30°40'47.35"N</td><td>76°15'42.42"E</td></tr> <tr><td>F</td><td>30°40'47.50"N</td><td>76°15'40.55"E</td></tr> <tr><td>G</td><td>30°40'48.83"N</td><td>76°15'40.61"E</td></tr> <tr><td>H</td><td>30°40'49.21"N</td><td>76°15'35.14"E</td></tr> <tr><td>I</td><td>30°40'46.27"N</td><td>76°15'34.91"E</td></tr> <tr><td>J</td><td>30°40'45.96"N</td><td>76°15'38.38"E</td></tr> <tr><td>K</td><td>30°40'44.99"N</td><td>76°15'38.26"E</td></tr> <tr><td>L</td><td>30°40'44.98"N</td><td>76°15'39.63"E</td></tr> <tr><td>M</td><td>30°40'44.37"N</td><td>76°15'39.60"E</td></tr> <tr><td>N</td><td>30°40'44.10"N</td><td>76°15'42.77"E</td></tr> <tr><td>O</td><td>30°40'42.85"N</td><td>76°15'43.89"E</td></tr> </tbody> </table>	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
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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:				
		Activities	Annual Expenditure (in lakhs)	Time line	Total Expenditure in 1 Year (in lakhs)	

		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
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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 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)

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 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, SO₂, NO_x, 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 FeSO₄ 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 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

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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.

Item No 195.05: 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.

1.1 Deliberations during the 195th meeting of SEAC held on 24.10.2020

The case was considered by SEAC in its 195th 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) Sh. Sital Singh, EIA Coordinator, M/s CPTL, 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 30,771.35 sq.m.		
3.	Co-ordinates of all the corners of the project site as per following:	The corner co-ordinates of project are given below:		
		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
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	
		42//6/2	3K-11M	

		14/3	2K-4M	M/s Shubham Builders
		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		Reuse water		Total (KLD)	
			Domestic (KLD)	Others (KLD)	Flushing (KLD)	Green area (KLD)	Sewer (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 facility & its Disposal arrangements in Construction Phase	Sewage generation during construction phase will be treated in existing STP of 75 KLD capacity.						
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	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:-						
		Season	Flushing (KLD)	Green area (KLD)	MC Sewer (KLD)			

	details of NOC from competent authority	Summer	17	11	84
		Winter	17	4	91
		Monsoon	17	1	100
		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.			
23.	Details of Rainwater recharging/Harvesting (m ³ /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</p> <p>b) Solid waste will be appropriately segregated (at source by providing bins) into recyclable, Bio-degradable and non-biodegradable components.</p> <p>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.</p> <p>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.</p> <p>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"> • Roof top Area of proposed block = 1171.89 sq.m. • Space available for solar panel (@ 30 %) = 350 sq.m. (or 3,767.36 sq.ft.) • Area Req. per K.W = 12 sq.m. • Solar Power Generated = 29 KW • Cost approx. Rs 65,000 per KW • Total cost approx. = Rs. 19 Lakhs 			
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.	<p>a. Details of Corporate Environmental Responsibility (CER) indicating various activities to be undertaken as per the provision of OM dated 01.05.2018</p> <p>b. Details of NOC from the village Sarpanch, Certificate from the School Principal & concerned Govt. Departments etc.</p>	<p>(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.</p> <p>(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.</p>			
31.	Details of green belt development shall include following:	<p>(a) No. of trees reqd. = 1 tree per 80 sq.m. of plot area = $13,250 / 80 = 165.625$ trees</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>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>
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SEAC was satisfied with the presentation and reply submitted by the project proponent.

2.0 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 59379 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 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, murram 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.
- v) 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:-

Sr. No.	Season	For Flushing purposes (KLD)	Green Area (KLD)	MC Sewer KLD
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.

Item No 195.06: 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 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 Manasvyas23@gmail.com

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

The case was considered by SEAC in its 195th 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
			iv)	Revenue land	Nil
			v)	Other land	Nil
vi)	Total land	3.32			
		Present Land use Break Up			

"Proceedings of 195th meeting of SEAC
held on 24.10.2020"

		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 .Ferozpur Reference No:728 Date of Issue: 8/06/2020		
15	Details of visit report of Sub Divisional Level Committee	Date of visit: - 07.09.2017 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	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).	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 nd and 3 rd 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: -

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 agreed to the same.

	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.

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/-
Total		40,000/

Item No 195.07: 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)

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 Jatala Tehsil Tehsil Guru Har Sahai, District- Ferozepur, 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 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 Manasvyas23@gmail.com

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

The case was considered by SEAC in its 195th 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		Prior to the project proposal		
			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
			Present Land use Break Up		
			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
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 .Ferozepur 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: 31696.59 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)	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 nd and 3 rd 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	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.

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:

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

Item No 195.08: 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)

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 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 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 Manasvyas23@gmail.com

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

The case was considered by SEAC in its 195th 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																																							
i)	Forest Land	Nil																																							
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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	<p>Prime Vision Industries Pvt Ltd. 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>2,58,000</td> <td>2,05,000</td> </tr> <tr> <td>4</td> <td>Haul road Maintenance Cost</td> <td>55,000</td> <td>30,000</td> </tr> <tr> <td colspan="2">TOTAL (Lakhs)</td> <td>3,13,000</td> <td>4,35,000</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).	2,58,000	2,05,000	4	Haul road Maintenance Cost	55,000	30,000	TOTAL (Lakhs)		3,13,000	4,35,000
Sr. No	Description	Capital Cost (Rs)	Recurring Cost (Rs)																									
1	Dust suppression through water sprinkling	Nil	1,00,000																									
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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 nd and 3 rd 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 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	The project proponent agreed to the same.

	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.	
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.

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 Jaura, 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

"Proceedings of 195th meeting of SEAC
held on 24.10.2020"

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 Joura.	40,000/-
Total		40,000/

Item No 195.09: 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- Ferozepur, Punjab submitted by Prime Vision Industries Private Limited. (Proposal No. SIA/PB/MIN/150611/2020)

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 Mamdot Uttar 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 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 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 Manasvyas23@gmail.com

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

The case was considered by SEAC in its 195th 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	<p>Prime Vision Industries Pvt Ltd. 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>1,83,000</td> <td>1,50,000</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).	1,83,000	1,50,000
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).	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 nd and 3 rd 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 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	The project proponent agreed to the same.

	<p>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.

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:

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

Item No. 195.10: 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 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 <u>Manasvyas23@gmail.com</u>

1.0 Deliberations during the 195th 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 195th 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:

"Proceedings of 195th meeting of SEAC
held on 24.10.2020"

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		
	Pillar	Latitude	Longitude
	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/Wildlife 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	<table border="1"> <tr> <td colspan="3">Prior to the project proposal</td> </tr> <tr> <td>Sr No.</td> <td>Ownership pattern</td> <td>Area in Ha</td> </tr> <tr> <td>i)</td> <td>Forest Land</td> <td>Nil</td> </tr> <tr> <td>ii)</td> <td>Private land</td> <td>4.66</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>4.66</td> </tr> <tr> <td colspan="3">Present Land use Break Up</td> </tr> <tr> <td>Sr No.</td> <td>Land use</td> <td>Area in Ha</td> </tr> <tr> <td>i)</td> <td>Agriculture Area</td> <td>4.66</td> </tr> <tr> <td>ii)</td> <td>Waste/Barren Area</td> <td>0</td> </tr> <tr> <td>iii)</td> <td>Settlement</td> <td>0</td> </tr> <tr> <td>iv)</td> <td>Surface water Bodies</td> <td>0</td> </tr> <tr> <td>v)</td> <td>Other (Specify)</td> <td>0</td> </tr> </table>	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			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
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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	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).	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 nd and 3 rd 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/-
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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.
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.

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 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

“Proceedings of 195th meeting of SEAC
held on 24.10.2020”

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 Chak Gariban Sander, Tehsil Jalalabad & District Fazilka, Punjab	40,000/-
Total		40,000/

Item No:195.11: 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 Village Majri Jattan, Tehsil & District Rupnagar, Punjab 9814124328
ii)	Name of Environmental Consultant Mobile No. Email ID	P and M solution 9910037943 Manasvyas23@gmail.com

1.0 Deliberations during the 195th 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 195th 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?	No,		

	If yes, Status of NOC. If No, If No, submit documentary proof																																								
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>1.606</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>1.606</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>1.606</td> </tr> <tr> <td>ii)</td> <td>Waste/Barren Area</td> <td>0</td> </tr> <tr> <td>iii)</td> <td>Settlement</td> <td>0</td> </tr> <tr> <td>iv)</td> <td>Surface water Bodies</td> <td>0</td> </tr> <tr> <td>v)</td> <td>Other(Specify)</td> <td>0</td> </tr> </tbody> </table>	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	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
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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	<p>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</p>																																							
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	Sh.Balwant Singh will be responsible for the implementation of EMP till the mining activities closed as per the mining plan.	
	Sr. No.	Particulars	Capital Cost (In Rs.)
	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
		Total	2,60,000
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: -		
	Sr. No.	Particulars	Amount (in Rs)
	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: -

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 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.

3.0 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 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 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.

Item No 195.12: 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 avnit.kaushal@gmail.com
ii)	Name of Environmental Consultant Mobile No. Email ID	Eco Laboratories & Consultants Pvt. Ltd. 9814003103, 0172461622 consulteco@yahoo.com

1.0 Deliberations during the 195th 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 195th 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	
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 MTA)	
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	Khasra No.
	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		
	PIT 1		
	Pillar No.	Latitude	Longitude
	1	30°58'52.40"N	76°26'4.47"E
	2	30°58'52.34"N	76°26'12.03"E
	3	30°58'54.22"N	76°26'12.13"E
	4	30°58'54.32"N	76°26'17.18"E
	5	30°58'56.17"N	76°26'17.24"E
	6	30°58'56.16"N	76°26'18.55"E
	7	30°58'54.15"N	76°26'18.46"E
	8	30°58'54.17"N	76°26'22.24"E
	9	30°58'52.21"N	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
Sr No.	Ownership pattern	Area in Ha.																																								
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iv)	Surface water Bodies	-																																								
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																																							

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): 3 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.

	Description	Capital Cost (in Rs. Lakhs)	Recurring Cost (in Rs. Lakhs)
	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
	TOTAL	4.11 Lakhs	3.97 Lakhs
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: -

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	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.

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:

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

Item No: 195.13 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 rc350981@gmail.com@gmail.com
ii)	Name of Environmental Consultant Mobile No. Email ID	ARUN KUMAR YADAV RQP/AJM/242/2003/A Validity-21 st May, 2023 OVERSEAS MIN TECH CONSULTANTS <hr/> E-Mail- arun.omtc@gmail.com Website: www.overseasmintech.com

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

The case was considered by SEAC in its 195th 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/52252/2020
2.	Project Name & Location	GOBINDGARH KULCHIAN GRAVEL MINE" Block No. – 1,Hadbast No.–100,Near Village – 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		
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	5.60
		Present Land use Break Up		

"Proceedings of 195th meeting of SEAC
held on 24.10.2020"

		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	Rakesh kumar choudhary 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 project proponent agreed to the same.

	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.	
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.

Item No:195.14 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 195th 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 195th 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/52167/2020	
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		
	Pillar	Latitude(N)	Longitude(E)
	Block A		
	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
	Block -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
	Block -C		
	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

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		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
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.

Item No: 195.15 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
ii)	Name of Environmental Consultant Mobile No. Email ID	M/s Overseas Min-Tech Consultants, Jaipur Rajasthan +919460221084 info@oveseasmintech.com, arunomtc@gmail.com

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

The case was considered by SEAC in its 195th 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	Khasra No	
	1	Govt Land	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, 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	Longitude
	1	A	31°14' 51.7655"N	76°25' 59.141"E
	2	B	31°14' 53.072"N	76°25' 59.1607"E
	3	C	31°14' 53.0437"N	76°26' 1.6952"E
	4	D	31°14' 53.6969"N	76°26' 1.705"E
	5	E	31°14' 53.7535"N	76°25' 56.6361"E
	6	F	31°14' 57.6729"N	76°25' 56.6953"E
	7	G	31°14' 57.6863"N	76°25' 55.4914"E
	8	H	31°14' 55.7216"N	76°25' 55.9054"E
	9	I	31°14' 55.7414"N	76°25' 54.1312"E
	10	J	31°15' 3.5802"N	76°25' 54.2495"E
	11	K	31°15' 4.9984"N	76°25' 54.0174"E
	12	L	31°15' 11.4473"N	76°25' 51.8333"E
	13	M	31°15' 11.5009"N	76°25' 47.0175"E
	14	N	31°14' 55.63"N	76°25' 52.3126"E
	15	O	31°14' 51.8008"N	76°25' 55.9729"E

Block-2				
1	A	31°14' 56.2892"N	76°27' 9.9791"E	
2	B	31°14' 56.1457"N	76°27' 22.6514"E	
3	C	31°14' 52.4441"N	76°27' 22.5946"E	
4	D	31°14' 52.235"N	76°27' 21.8309"E	
5	E	31°14' 52.2838"N	76°26' 16.7756"E	
6	F	31°14' 54.2435"N	76°27' 17.5525"E	
7	G	31°14' 54.2721"N	76°27' 15.018"E	
8	H	31°14' 55.9785"N	76°27' 15.0442"E	
9	I	31°14' 55.0629"N	76°27' 12.4952"E	
10	J	31°14' 52.3411"N	76°27' 12.4535"E	
11	K	31°14' 52.3125"N	76°27' 14.988"E	
12	L	31°14' 50.3528"N	76°27' 14.9579"E	
13	M	31°14' 50.4101"N	76°27' 9.8891"E	
Block-3				
1	A	31°14' 43.0284"N	76°26' 16.7756"E	
2	B	31°14' 43"N	76°26' 19.31"E	
3	C	31°14' 37.1131"N	76°26' 19.2207"E	
4	D	31°14' 37.1492"N	76°26' 16.6865"E	
5	E	31°14' 35.1895"N	76°26' 16.6568"E	
6	F	31°14' 35.2075"N	76°26' 15.0499"E	
7	G	31°14' 37.1803"N	76°26' 13.9104"E	
8	H	31°14' 37.1803"N	76°26' 13.9104"E	
9	I	31°14' 39.2345"N	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

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		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/Khamedda/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
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 project proponent agreed to the same.

	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.	
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.

Item No: 195.16 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 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:	SH. Rakesh Kumar Choudhary 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 195th 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 195th 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 Notification,14.09.2006	SI. No. 1(a) Mining of Minerals	
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
	A	31°18' 54.1687"N	76°19' 11.0611"E
	B	31°18' 55.6974"N	76°19' 21.2294"E
	C	31°18' 51.7779"N	76°19' 21.1746"E
	D	31°18' 51.7517"N	76°19' 23.711"E
	E	31°18' 44.4026"N	76°19' 23.6082"E
	F	31°18' 44.4287"N	76°19' 21.0719"E
	G	31°18' 42.85"N	76°19' 21.0499"E
	H	31°18' 41.243"N	76°19' 18.4908"E

	I	31°18' 42.0051"N	76°19' 18.5014"E																																							
	J	31°18' 42.0312"N	76°19' 15.9651"E																																							
	K	31°18' 49.8703"N	76°19' 16.0746"E																																							
	L	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 <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Sr No.</th> <th style="width: 60%;">Ownership pattern</th> <th style="width: 30%;">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>8.86</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>8.86</td> </tr> </tbody> </table> Present Land use Break Up <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Sr No.</th> <th style="width: 60%;">Land use</th> <th style="width: 30%;">Area in Ha</th> </tr> </thead> <tbody> <tr> <td>i)</td> <td>Agriculture Area</td> <td>8.86</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	8.86	iii)	Government land	Nil	iv)	Revenue land	Nil	v)	Other land	Nil	vi)	Total land	8.86	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)	----
Sr No.	Ownership pattern	Area in Ha																																								
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ii)	Private land	8.86																																								
iii)	Government land	Nil																																								
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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																																								

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		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: -

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 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.

Item No: 195.17 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 rakeshgravelmine@gmail.com
ii)	Name of Environmental Consultant Mobile No. Email ID	Overseas Min-Tech Consultants, Jaipur 9460221084 arun.omtc@gmail.com

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

The case was considered by SEAC in its 195th 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 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	

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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?		No

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held on 24.10.2020"

	If yes, Status of NOC. If No, If No, submit documentary proof																																								
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)	----
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ii)	Waste/Barren Area	Nil																																							
iii)	Settlement	Nil																																							
iv)	Surface water Bodies	Nil																																							
v)	Other(Specify)	----																																							
12.	Cost of the project	Rs. 4.0 Crore /-																																							
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.

Item No.195.18: 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)

SEAC observed as under:-

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

1.0 Deliberations during the 195th 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 195th 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 Tons of sand in three years		
	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	Khasra No.	
	1	Govt. Land		
	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	
7.	Latitude & Longitude			
	Corner	Latitude	Longitude	
	PIT-I			
	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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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	<p>Approved by: - Deputy Commissioner, SBS Nagar</p> <p>Reference No.: -2296/ S.K.</p> <p>Date of Issue: - 09.10.2020</p>																																							
15.	Details of visit report of Sub Divisional Level Committee as per SSMG 2016	<p>Date of visit: - 22.10.2019</p> <p>Recommendation: Mining can be conducted upto depth of 3m.</p>																																							
16.	Details of Mining Plan	<p>Approved by: - State Geologist (Department of Mines and Geology, Punjab)</p> <p>Approval Letter No.: - Glg/Pb/M.P./2020/Arzi Derya Bramd Rail Pat-II/635</p> <p>Date of Approval: - 24.09.2020</p> <p>Approved Mining Lease Area: 30.02 Ha.</p> <p>Approved Mining Quantity: 12,04,980 TPA</p> <p>Depth of Mining (m): 3 m</p>																																							
17.	Demarcation report of mining site	<p>Date of demarcation: 19.12.2019</p> <p>Signed by:</p> <ol style="list-style-type: none"> 1. Mr. Jaswinder Singh (S.D.O- Mining) 2. Mr. Ravinder (J.E.- Mining) 3. Mr. Raman Kumar (Patwari) 																																							

		<p>4. Mr. Pankaj Kumar (In-charge Mahadev Enclave Private Limited)</p> <p>5. Gurminder Singh (Operator)</p> <p>6. Daulat Ram (Sarpanch, Gram Panchayat Majra)</p> <p>7. Mr. Amandeep Singh R/o Village-Lakhnaur, Mohali</p> <p>8. Mr. Varinder Kaushal R/o Village-Khizrabad, Mohali</p> <p>9. Mr. Jagjit Singh R/o Village Paraul, Mohali</p>
18.	Workers(when fully operational)	82 Persons
19.	Water Requirements & source	<p>Domestic: 3.7 KLD</p> <p>Dust Suppression: 2.60 KLD</p> <p>Total: 6.30 KLD</p> <p>Ground water/Others: A water storage tank of capacity 5 KLD shall be provided.</p>
20.	Waste water generation, Treatment & its Disposal	<p>i) Quantity of Waste water: 2.9 KLD</p> <p>ii) (80% of water requirement)</p> <p>iii) Treatment Method: Septic Tank</p> <p>iv) Mode of Disposal:</p> <p>a) Plantation purpose.: 2.9 KLD</p> <p>b) Any other purpose: Nil</p>
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.	<p>Tree cutting (if any): Nil</p> <p>No. of plant to be planted: 360 No's</p> <p>Funds Allocated: Rs. 1,50,000/-</p>
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: -

Sr. No.	Observations	Reply submitted by the project proponent and his Environmental Consultant
1.	Whether Final District Survey Report (DSR) has been approved?	<p>Approved by: - Deputy Commissioner, SBS Nagar</p> <p>Reference No.: -2296/ S.K.</p>

		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 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 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.

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) 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.
- (vi) 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.
- (vii) The mining operation will be carried out only from sun-rise to sunset.
- (viii) 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.
- (ix) 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.
- (x) 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.
- (xi) The mining of minor mineral (sand) shall be carried out only up to a depth of 2.4 m as proposed in the approved mining plan or above the groundwater level, whichever is less.

- (xii) 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. It shall be ensured that no mining shall be carried out during the monsoon season as defined by the Meteorological Department.
- (xiii) The Project Proponent and Mining Officer shall ensure that wherever deployment of labour attracts the Mines Act, the provision thereof shall be strictly followed.
- (xiv) The project proponent shall undertake plantation/afforestation work by planting the native species in the nearby area adjacent to mine lease.
- (xv) 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.
- (xvi) 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.
- (xvii) 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.
- (xviii) 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.
- (xix) 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.
- (xx) 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.
- (xxi) 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.

- (xxii) 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.
- (xxiii) 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.
- (xxiv) 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.
- (xxv) A First Aid Room shall be provided in the project both during construction and operations of the project.
- (xxvi) 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.
- (xxvii) 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.
- (xxviii) 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.
- (xxix) 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 shall also be referred in this regard for its compliance.
- (xxx) 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.

- (xxxix) 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 that an amount of Rs 40,000/- will be spent for installation of 1KW Solar Power Mini Station at Government Elementary School, village Awan Vasau within 1st year of grant of environmental Clearance.
- (xxxixii) 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.
- (xxxixiii) 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.
- (xxxixiv) The Risk assessment and disaster management plan should be prepared.
- (xxxixv) The project proponent shall submit the site plan showing the earmarked area for storage of mined material.
- (xxxixvi) 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.
- (xxxixvii) The project proponent shall ensure the implementation of the post closure mining plan as proposed by the project proponent in the mining plan.
- (xxxixviii) The project proponent shall comply with the condition imposed by District Forest Officer (DFO) while granting NOC.
- (xxxixix) The mining lease holders shall, after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc.

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 NOx 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) & 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.
- (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.

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 revenue authorities and concerned Village Panchayat or their representatives. Mining lease area will be demarcated on the ground with pucca pillars with reference to some permanent bench mark before starting any mining activity at site.
- (iii) 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.
- (iv) 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.
- (v) The project proponent 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.
- (vi) 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.
- (vii) 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.
- (viii) The mining of minor mineral (sand) shall be carried out only upto a depth of 3.0 m of the demarcated riverbed level or above the groundwater level, whichever is less.
- (ix) The Mining Officer shall ensure that 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. It shall be ensured that no mining shall be carried out during the monsoon season as defined by the Meteorological Department.
- (x) The Mining Officer shall ensure that wherever deployment of labour attracts the Mines Act, the provision thereof shall be strictly followed.
- (xi) The project proponent shall undertake plantation/afforestation work by planting the native species in the nearby area adjacent to mine lease.
- (xii) 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.

- (xiii) 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.
- (xiv) 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.
- (xv) The project proponent shall obtain necessary prior permission of the competent authorities for drawl of requisite quantity of water (surface water and groundwater), if any, required for the project.
- (xvi) Appropriate mitigation measures shall be taken by the project proponent to prevent pollution at the mining site in consultation with the State Pollution Control Board. It shall be ensured that there is no leakage of oil and grease at the mining site from the vehicles/mining equipments used for transportation.
- (xvii) 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.
- (xviii) 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 by the Department 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.
- (xix) Mining shall be carried out only by semi-mechanized opencast method with the help of machinery as specified in the mining plan.
- (xx) 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.
- (xxi) 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.
- (xxii) 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.

- (xxiii) The municipal solid waste generated shall be disposed off as per Solid Waste Management Rules, 2016. Segregation of bio-degradable and non-biodegradable wastes shall be done at site and disposed off 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.
- (xxiv) The critical parameters such as RSPM (Particulate matter with size less than 10 micron 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 shall also be referred in this regard for its compliance.
- (xxv) 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.
- (xxvi) 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.
- (xxvii) 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.
- (xxviii) 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.
- (xxix) The Risk assessment and disaster management plan should be prepared.
- (xxx) The project proponent shall submit the site plan showing the earmarked area for storage of mined material.

- (xxxix) 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.
- (xxxix) The project proponent shall ensure the implementation of the post closure mining plan as proposed by the project proponent in the mining plan.
- (xxxix) The project proponent shall comply with the condition imposed by DFO Ludhiana while granting NOC.
- (xxxix) The mining lease holders shall, after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc.

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_x 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 State Pollution Control Board.
- (iv) Data on ambient air quality RSPM (Particulate matter with size less than 10micron i.e., PM) & NO_x 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 State 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 State 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 Punjab Pollution Control Board 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 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 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.

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/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.
- 4) 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) Replenishment study for the river bed cases.
- 5) 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. Because as per Standard EC conditions provided in the Guidelines, 2016, manual method of mining shall be preferred over any other method.
- 6) 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.
- 5) *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.

- 6) *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.
 - l. 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

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years from its issuance. The final EIA report shall be submitted to the SEIAA,
Punjab for obtaining environmental clearance.

The meeting ended with a vote of thanks to the Chair.
