

**Proceedings of the 203rd meeting of State Environment Impact Assessment Authority (SEIAA)
held on 29.03.2022 (Tuesday) in the Conference Hall no. 1 (Room No 311), 2nd Floor of MGSIPA
at 10:30 AM, MGSIPA Complex, Sector-26, Chandigarh through hybrid mode.**

The meeting was attended by the following members:

- 1) Sh. Hardeep Singh Gujral,
Chairman, SEIAA
- 2) Sh. Rajesh Dhiman, IAS
Member Secretary, SEIAA
- 3) Dr. Adarsh Pal Vig, Member SEIAA -cum
Chairman, Punjab Pollution Control Board, Patiala

Er. Parveen Saluja, Environmental Engineer SEIAA along with other supporting staff also attended the meeting.

Item No. 01: Confirmation of the proceedings of 202nd meeting of State Environment Impact Assessment Authority held on 16.03.2022.

SEIAA was apprised that the proceedings of 202nd meeting of State Environment Impact Assessment Authority (SEIAA) held on 16.03.2022 were circulated through E-mail on 23.03.2022 with a request to send comments so that the same can be incorporated in the proceedings. No observations were received from any of the members. As such, the proceedings of the 202nd meeting as circulated on 23.03.2022 stand confirmed.

Item No. 02: Action taken on the proceedings of 202nd meeting of State Environment Impact Assessment Authority held on 16.03.2022.

Action taken report on the proceeding was seen by SEIAA.

Item no. 203.01: Application for Environmental Clearance under EIA notification dated 14.09.2006 for the establishment of residential Project namely “Affinity Belgravia” at Zirakpur, District SAS Nagar, (Punjab) by M/s Affinity Buildtech, (Proposal No. SIA/PB/MIS/255945/2022.)

Background and Salient features of the case are as under:

The project proponent has submitted an application for obtaining Environment Clearance under EIA Notification, 2006 for the establishment of residential Project namely “Affinity Belgravia” at Zirakpur, District SAS Nagar, (Punjab). The total land area of the project is 38976 sqm with proposed built-up area of 146787 Sqm. The 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 along with processing fee amounting to Rs. 2,93,574/- paid vide NEFT No. HDFCR52022020795149711 dated 07.02.2022, as verified by supporting staff SEIAA. The total cost of the project is Rs. 162 Cr.

The Project Proponent has undertaken that the information given in the application is true to the best of his knowledge and belief and no facts have been concealed thereof. Further, he is aware that in case any information submitted is found to be false or misleading at any stage, the project will be rejected and clearance given, if any to the project will be revoked at their risk and cost.

PPCB was requested to send the latest construction status report of the project through e-mail on 11.01.2022. Punjab Pollution Control Board vide letter no. 1531 dated 04.03.2022 has sent the latest construction status report with details as under:

“Accordingly, the proposed site of the project was visited by officer of the Board on 2/3/2022 and the pointwise status report is as under:

1. The proposed site of the project is located in Village Chhat, Distt. SAS Nagar. The proposed site is located on L.H.S of Zirakpur-Patiala National Highway. The project proponent has partially demarcated the boundaries of the project with tin sheets. No construction activity pertaining to the project has been started at the site.
2. As per the earmarked boundary limits, it was observed that there is no operational approved/ consented industry such as rice shelter/ saila plant/ brick kiln/ stone crushing/ screening' cum washing unit/ hot mix plant/ cement unit within a radius of 500 m. There is no air polluting industry within a radius of 100 m from the boundary of the project site and there is no MAH industry within a radius of 250 m radius from the boundary of the proposed site. Further, it is submitted that 01 air polluting industry i.e M/s K.K.K. Brick Kiln falls in the South-West direction at a approximate distance of 700 m. 01 Mobile tower as well as marriage palace M/s Sunshine Garden exists in the South direction adjoining to the boundary of the proposed site. The Board has not framed any specific siting guidelines for the Marriage Palaces.

- The site of the project is conforming to the sitting guidelines laid down by the Government of Punjab, Department of Science Technology and Environment vide order dated 25/7/2008 as amended on 30/10/2009.

It is further intimated that the capacity of the existing terminal STP of Zirakpur is already short for the present domestic effluent being generated from the area and more effluent load can't be permitted without the adequate capacity of the terminal STP. Further, the project proponent has not submitted any alternate scheme for the disposal of treated effluent.”

1.0 Deliberations during 216th meeting of SEAC held on 14.03.2022.

The meeting was attended by the following:

- Mr. Sahil Garg, Partner, M/s Affinity Buildtech.
- Sh. Sital Singh, EIA coordinator, M/s Chandigarh Pollution Testing Laboratory, E- 126, Phase-VII, Industrial Area, Mohali.
- Mr. Deepak Gupta, Environmental Advisor.

SEAC allowed the Environmental Consultant of the Project Proponent to present the salient features of the project. He, thereafter, presented the case as under:

Sr. No.	Item	Details
1.	Online Proposal No.	SIA/PB/MIS/255945/2022
2.	Name and Location of the project	“Affinity Belgravia” Village Chhatt, Zirakpur
3.	Project/activity covered under item of scheduled to the EIA Notification, 14.09.2006	8 a (Fresh EC)
4.	Whether the project is in critical polluted area or not.	No
5.	If the project involves diversion of forest land. If yes, a) Extent of the forest land. b) Status of the forest clearance.	Acknowledgement of the application submitted to the Department of Forest & Wild Life along with relevant annexures submitted.
6.	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	No

	<p>concerned DFO to the effect that project area does not fall under the provision of PLPA Act, 1900.</p> <p>b) Is the project covered under PLPA, 1900, if yes then Status of the NOC w.r.t PLPA,1900.</p>											
7.	<p>If the project falls within 10 km of eco-sensitive area/ National Park/Wild Life Sanctuary. If yes,</p> <p>a) Name of Eco sensitive area/ National Park/Wild Life Sanctuary and distance from the project site.</p> <p>b) Status of clearance from National Board for Wild Life (NBWL).</p>	<p>No, a self-declaration in this regard submitted.</p> <p>NA</p> <p>NA</p>										
8.	Classification/Land use pattern as per Master Plan	Permission for change of land use has been obtained from the Department of Town and Country Planning, Punjab vide memo no. 63-STP(S)/55-11(GR) dated 24.01.2022 for total land area of 12.255 acres. The said permission for CLU from agricultural to mixed development group housing and commercial has been granted subject to the conditions mentioned in the permission letter.										
9.	Cost of the project	162 Crore										
10.	Total Plot area, Built-up Area and Green area	<table border="1"> <thead> <tr> <th colspan="2">Area Details</th> </tr> </thead> <tbody> <tr> <td>Land</td> <td>38976 Sqm</td> </tr> <tr> <td>Built-up area</td> <td>146787 Sqm</td> </tr> <tr> <td>Flats & Shops</td> <td>504 Flats & 15 Shops</td> </tr> <tr> <td>Green Area</td> <td>11025 Sqm</td> </tr> </tbody> </table>	Area Details		Land	38976 Sqm	Built-up area	146787 Sqm	Flats & Shops	504 Flats & 15 Shops	Green Area	11025 Sqm
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11.	Configuration details:											
	Sr. No	Tower	Configuration	No. of flats	Type of flats							
	1.	Tower-A	Stilt+21	84	3+1 BHK							
	2.	Tower-B	Stilt+21	84	3 BHK							
	3	Tower-C	Stilt+21	42	4+1 BHK							
	4	Tower-D	Stilt+21	42	4+1 BHK							
	5	Tower-E	Stilt+21	42	4+1 BHK							
	6	Tower-F	Stilt+21	42	4+1 BHK							

	7	Tower-G	Stilt+21	42	4+1 BHK			
	8	Tower-H	Stilt+21	42	4+1 BHK			
	9	Tower-I	Stilt+21	42	4+1 BHK			
	10	Tower-J	Stilt+21	42	4+1 BHK			
	Total flats			504				
	504 flats of the aforementioned configuration and 15 shops shall be constructed.							
12.	Population (when fully operational) Break up of Water Requirements & source in Operation Phase (Summer, Rainy, Winter):							
	No of flats 504 Shops		504 flats@ 5 residents each per flat 15 shops @ 2 residents each per flat		2520 Persons 30 Persons			
	Flats Population		2520 @ 86 lit./day		217 M ³ /day			
	Shops Population		30 @ 45 lit./day		1.0 M ³ /day			
	Green Area		11025 Sqm (within the premises of the 9.63 acres of the project)		61 M ³ /day			
	Total Water Requirement				278 M ³ /day			
	Domestic water required				218 M ³ /day			
	Total Flow to STP@ 80%		(Domestic water)		174 M ³ /day			
	Sr. No.	Season	Total Water Consumption (KLD)	Wastewater generation (KLD)	Treated Wastewater generation (KLD)	Reuse for Flushing (KLD)	Green Area (11025 sqm) (KLD)	Additional Green area of 1.5 acres (KLD)
	1.	Summer	218	174	170	53	61	56
	2.	Winter	218	174	170	53	20	97
	3.	Rainy	218	174	170	53	6	111
	*An acknowledgement of the application submitted to PWRDA for the abstraction of the 165 KLD of groundwater submitted. The total waste water generation shall be 174 KLD, which shall be treated in the STP of capacity 400 KLD. Out of total quantity of 170 KLD of treated wastewater, 53 KLD shall be utilized for flushing purpose and 61 KLD shall be utilized in the green area of 11025 sqm, which is to be developed within the project premises in summer season, 20 KLD during winter season & 6 KLD during rainy season.							
13.	Rain water recharging detail			Rain water will be collected in the 11 No. recharging pits which shall be provided to recharge the ground water after treatment through oil & Grease traps.				

14.	Solid waste generation and its disposal	a) 1014 kg/day b) Solid wastes will be appropriately segregated (at source. by providing bins) into recyclable, Bio-degradable Components, and non- biodegradable. Mechanical Composter of capacity 60 Kg/hr shall be installed for converting the solid waste into compost.																								
15.	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 of as per the E-waste (Management) Amendment Rules, 2018.																								
16.	Energy Requirements & Saving	a) 2600 KW from PSPCL. b) 2 x 500 KVA, 240 KVA & 125 KVA Saving measures: <ul style="list-style-type: none"> • Solar Light 30 No. = 45 KWHD • Common area (400) lights replaced with LED = 216 KWHD • Total Energy saved/day 45+216= 261 KWHD 																								
17.	Block wise details of no. of trees to be planted in proposed greenbelt area	The Project Proponent has proposed to plant total number of 1200 trees as per the following calculation. 1 tree @ 225 sqm of built-up area= 146787 sqm /225 = 652 trees 1 tree @ 80 sqm of land area= 38976 sqm /80 = 487 trees Required number of trees @ 652 Proposed number of trees @ 660																								
18.	Environment Management Plan along with Budgetary break up phase wise and responsibility to implement	During construction phase, GM Projects will be responsible and during operation phase, Partner will be responsible for implementation of the EMP. <table border="1"> <thead> <tr> <th>Sr. no</th> <th>Description</th> <th>Capital Cost (Rs. in Lacs)</th> <th>Recurring cost (Rs. in Lacs)</th> </tr> </thead> <tbody> <tr> <td colspan="4">Construction Phase</td> </tr> <tr> <td>1.</td> <td>Medical Cum First Aid</td> <td>0.5</td> <td>1.0</td> </tr> <tr> <td>2.</td> <td>Toilets for Sanitation System</td> <td>3.0</td> <td>2.0</td> </tr> <tr> <td>3.</td> <td>Wind breaking curtains</td> <td>9.0</td> <td>3.0</td> </tr> <tr> <td>4.</td> <td>Sprinklers for suppression of dust</td> <td>3.0</td> <td>2.5</td> </tr> </tbody> </table>	Sr. no	Description	Capital Cost (Rs. in Lacs)	Recurring cost (Rs. in Lacs)	Construction Phase				1.	Medical Cum First Aid	0.5	1.0	2.	Toilets for Sanitation System	3.0	2.0	3.	Wind breaking curtains	9.0	3.0	4.	Sprinklers for suppression of dust	3.0	2.5
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5.	Sewage Treatment Plant	125.0	--
6.	Solid Waste Segregation & Disposal	18.0	--
7.	Green Belt including grass coverage	40.0	--
8.	RWHP	7.0	--
9.	Ambient Air Monitoring (Every Month)	--	3.0
10.	Drinking Water (Every Month)	--	2.4
11.	Noise Level Monitoring (Every Month)	--	0.5
Total		205.5	14.4
Operation Phase			
1.	Sewage Treatment Plant	--	4.5
2.	Solid Waste segregation & Disposal	--	5.0
3.	Green Belt including grass coverage	--	20.0
4.	RWHP	--	1.5
5.	Ambient Air Monitoring (Every 3 Months)	--	3.0
6.	Drinking Water (Every Month)	--	2.4
7.	Noise Level Monitoring (Every 3 Months)	--	0.5
8.	Treated Effluent Monitoring (Every Months)	--	1.0
Total		--	37.9

The Committee observed that the Project Proponent has submitted an undertaking to the effect that the project does not attract the provisions of Forest Conservation Act 1980. On the other

hand, the Project Proponent has applied for obtaining clearance under the provisions of Forest Conservation Act 1980.

In this regard, the Project Proponent informed that the document pertaining to the undertaking that the project does not attract the provisions of Forest Conservation Act 1980 has been inadvertently submitted, however, the project does attract the provision of the Forest Conservation Act 1980. The Project Proponent submitted acknowledgement of the application (Annexure-A) along with all relevant annexures submitted for obtaining clearance under Forest Conservation Act 1980.

The Committee perused the KML file of the project site and observed that the project is located at a distance of 12.87 KM from the Sukhna Wild Life Sanctuary.

The Committee asked the Project Proponent that whether the proposed project falls within MC limits or outside MC limits. The Project Proponent submitted a copy of certificate issued by Municipal Council, Zirakpur vide no. 923 dated 01.09.2021 certifying that the proposed project falls within the limits of MC, Council, Zirakpur.

The Project Proponent has submitted a copy of certificate issued by MC Zirakpur vide letter No. 294 dated 21.01.2022, wherein, it has been mentioned that no sewer line exists in the periphery of the project namely "Affinity Belgravia". Further, MC Zirakpur is in the process of laying down water supply & sewerage lines in the periphery of the project and after laying down the sewerage lines, deposition of requisite charges and approval of layout plan, the Project Proponent can be allowed to discharge 213 KLD treated wastewater into main sewer line of Zirakpur as per the capacity of sewer available at that time.

The Committee observed that the Project Proponent proposes to discharge excess treated wastewater into the land area of 1.5 acres already owned by the Project Proponent. However, the Committee observed that with plantation in 1.5 acres of land, maximum quantity of 33.3 KLD, 11 KLD & 3 KLD of treated wastewater can be consumed in summer, winter & rainy season. After application of treated waste water in 1.5 acres of land, 23 KLD, 86 KLD & 108 KLD of remaining treated waste water is yet to be disposed of which needs to be clarified by the Project Proponent.

In this regard, the Project Proponent clarified that the land area of 1.5 acre shall be developed as per Karnal Technology for utilization of treated wastewater, which shall be adequate to sustain the hydraulic loading of excess treated wastewater. An affidavit in this regard has been submitted, wherein, it has been mentioned that "the land area of 1.5 acres shall be developed as per Karnal Technology for utilization of treated waste water till the sewer connection is obtained from MC, Zirakpur and outlet of the sewer of the project is connected with the main outlet of the MC, Sewer. Further, no other activity in 1.5 acres of land, to be developed as per Karnal Technology, shall be carried out". Further, Project Proponent showed the location of 1.5 acres of land in the layout plan to be developed as per Karnal Technology.

The Committee observed that the location of 1.5 acres of land falls along the road leading to village Chhat. The Committee observed that as the location of land to be developed as per Karnal Technology falls along the village road, it may create nuisance to the residents/villagers due to odour problem in case of poor maintenance of the technology. The Committee after detailed deliberation and in view of MC, Zirakpur letter dated 21.01.2022 decided to allow the Project Proponent to develop the area of 1.5 acres of land as per Karnal Technology as a purely temporary arrangement in the absence of any other alternative till the sewer connection is obtained from MC, Zirakpur. Further, the Project Proponent shall provide tertiary treatment in addition to secondary treatment for applying tertiary treated water to 1.5 acres of land to be developed as per Karnal Technology. Further, no third-party interest shall be created in the said land area till the sewer connection is obtained from MC, Zirakpur.

The Committee was satisfied with the presentation and reply given by the Project Proponent and 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 the establishment of residential Project namely "Affinity Belgravia" at Zirakpur, District SAS Nagar, (Punjab) in the total land area of 38976 sqm with proposed built-up area of 146787 Sqm and as per the details mentioned in the application proposal & subsequent presentation /clarifications made by the project proponent and his consultant subject to the following special conditions along with other standard conditions: -

Special Conditions:

- i. The Project Proponent shall install water efficient fixtures for reduction in fresh water consumption.
- ii. The Project Proponent shall develop 1.5 acres of land area as per Karnal Technology as a purely temporary arrangement and shall not utilize this land for any other purpose except for utilization of treated wastewater till the sewer connection is obtained from MC, Zirakpur. Further, the Project Proponent shall provide tertiary treatment in addition to secondary treatment for applying tertiary treated water to 1.5 acres of land to be developed as per Karnal Technology. Further, no third-party interest shall be created in the said land area till the sewer connection is obtained from MC, Zirakpur.
- iii. The Project Proponent shall develop green belt with native tree species (having canopy type structure and especially trees, and not grass) before the completion of the project. The greenbelt shall inter alia cover the entire periphery of the unit provided that the number of trees to be planted should not be less than one tree per 80 sqm of the total project area. The canopy trees shall also be planted around the parking area to provide shade to the parked vehicles.
- iv. The project proponent shall plant tall saplings having height not less than 6 ft. The proponent shall make adequate provision of funds for raising the plantation and subsequent maintenance for three years in the Environment Management Plan.

- v. The project proponent shall submit the progress of developing the green belt in the six-monthly compliance report.

I. Statutory compliances:

- i) The project proponent shall obtain all necessary clearances/ permissions from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building bye laws.
- ii) The approval of the Competent Authority shall be obtained for structural safety of buildings, 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 is 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 Punjab Pollution Control Board.
- vi) The project proponent shall obtain the necessary permission for abstraction 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 submit the NOC/ land use conformity certificate from Deptt. of Town and Country Planning or other concerned Authority under whose 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 being granted.

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 undertake 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 would be the preferred option. The location of the DG sets may be decided in consultation with Punjab Pollution Control Board.
- v) Construction site shall be adequately barricaded before the construction begins. Dust, smoke and 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 3 m height or 1/3rd of the building height and maximum up to 10 m). 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 and 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 roadside 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 the norms and regulations prescribed under 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 shall be complied with.
- xvi) Roads leading to or at construction site must be paved and blacktopped (i.e., metallic roads should be built and used).
- 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 measures will be notified at the site

III. Water quality monitoring and preservation

- i) The natural drainage system should be maintained for ensuring unrestricted flow of water.
- ii) No construction shall be allowed which obstructs the natural drainage through the site, in wetland and water bodies. Check dams, bio-swaes, 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 far as possible. Minimum cutting and filling should be done.
- iv) The total domestic water requirement for the project will be 218 KL/day, out of which fresh water demand of 165 KL /day shall be met through own tube well. 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 174 KL/day, which will be treated in STP of capacity 400 KL/day to be installed within the project premises. As proposed, treated wastewater available at outlet of STP will be disposed as under: -

Sr. No.	Season	Total Water Consumption (KLD)	Wastewater generation (KLD)	Treated Wastewater generation (KLD)	Reuse for Flushing (KLD)	Green Area (11025 sq.m)	Additional Green area of 1.5

						(KLD)	acres(KLD)
1.	Summer	218	174	170	53	61	56
2.	Winter	218	174	170	53	20	97
3.	Rainy	218	174	170	53	6	111

- 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 designed 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 and SEIAA 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) Dual pipe plumbing shall be installed 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, air conditioning etc.
- xi) Installation of R.O. plants in the project will be discouraged in order to reduce water wastage in form of RO reject. However, in case the requirement of installing RO plant is unavoidable, the rejected stream from the RO shall be separated and shall be utilized by storing the same within the particular component or in a common place in the project premises.
- xii) The project proponent shall also adopt the new/innovating technologies like low water discharging taps (faucet with aerators) /urinals with electronic sensor system /waterless urinals / twin flush cisterns/ sensor-based alarm 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.

- xiii) The project proponent will provide plumbing system for reuse of treated wastewater for flushing/other purposes etc. and will colour code the 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 and 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 and 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 adopting other best practices.
- 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 plot 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, 8 no. rain water recharge pits have been proposed 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 should be 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 and SEIAA along with six monthly Monitoring reports.
- xx) Sewage shall be treated in the STP with tertiary treatment based upon Ultra filtration technology. 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 and gardening. No treated water shall be disposed of into the municipal storm water drain.
- xxi) No sewage or untreated effluent would be discharged through storm water drains. Onsite sewage treatment with capacity to treat 100% waste water will 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 / SEIAA before the project is commissioned for operation. Treated waste water shall be reused on-site for landscape, flushing, 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 commercial area 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 noise levels 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 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) At least 30% of the roof top area shall be used for generating Solar power for lighting in the apartments so as 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.

VI. Waste Management

- i) A certificate from the competent authority handling municipal solid waste, 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 should not create any adverse effect on the neighbouring communities and should be safely 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) All non-biodegradable waste shall be handed over to authorized recyclers for which a written tie up must be done with the authorized recyclers.
- v) Any hazardous waste generated during construction phase, shall be disposed of as per applicable rules and norms with necessary approvals of the State Pollution Control Board.
- vi) 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.

- vii) 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.
- viii) Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Rules, 2016.
- ix) Used CFLs and TFLs should be properly collected and disposed of or sent for recycling as per the prevailing guidelines/ rules of the regulatory authority to avoid mercury contamination.

VII. Green Cover

- i) No naturally growing tree should be felled/transplanted 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.
- 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. The project proponent shall ensure planting of 1200 trees (@1 tree/80 Sqm of Total land Area) in the project area at the identified location, as per proposal submitted, with plants of native species preferably having broad leaves. The size of the plant thus planted should not be less than 6 ft and each plant shall be protected with a fence and properly maintained. The project proponent shall make adequate provisions of funds to ensure maintenance of the plants for a further period of three years. The plants shall be protected and maintained by the project proponent or Residents Welfare Association, as the case may be, even after three years. 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 undertaken 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 saplings of the same species for every tree that is cut) shall be done and the newly planted saplings will be maintained for at least 5 years. Green belt development shall be undertaken 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 commercial 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 regulations.
- ii) Vehicles hired for bringing construction material to the site should be in good condition and should have a valid pollution check certificate, conform to applicable air and noise emission standards and should 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 masks.
- ii) For indoor air quality the ventilation provisions as per National Building Code of India should be followed.
- 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. Environment Management Plan

- i) 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.
- ii) 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 report directly to the head of the organization.
- iii) 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 will not be diverted for any other purpose. The project proponent shall spend the minimum amount of Rs. 205.5 Lacs towards the capital cost and Rs. 14.4 Lacs/annum towards recurring cost in the construction phase of the project and Rs. 37.9 lacs as recurring cost in the operation phase including the environmental monitoring cost as per the details given as under:

Sr. No	Description	Capital Cost (Rs. in Lacs)	Recurring cost (Rs. in Lacs)
Construction Phase			
1.	Medical Cum First Aid	0.5	1.0
2.	Toilets for Sanitation System	3.0	2.0
3.	Wind breaking curtains	9.0	3.0
4.	Sprinklers for suppression of dust	3.0	2.5
5.	Sewage Treatment Plant	125.0	--
6.	Solid Waste Segregation & Disposal	18.0	--
7.	Green Belt including grass coverage	40.0	--
8.	RWHP	7.0	--
9.	Ambient Air Monitoring (Every Month)	--	3.0
10.	Drinking Water (Every Month)	--	2.4

11.	Noise Level Monitoring (Every Month)	--	0.5
	Total	205.5	14.4
Operation Phase			
1.	Sewage Treatment Plant	--	4.5
2.	Solid Waste segregation & Disposal	--	5.0
3.	Green Belt including grass coverage	--	20.0
4.	RWHP	--	1.5
5.	Ambient Air Monitoring (Every 3 Months)	--	3.0
6.	Drinking Water (Every Month)	--	2.4
7.	Noise Level Monitoring (Every 3 Months)	--	0.5
8.	Treated Effluent Monitoring (Every Months)	--	1.0
	Total	--	37.9

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 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 shall obtain completion and occupancy certificate from the Competent Authority and submit a copy of the same to the SEIAA, Punjab before allowing any occupancy.
- ii) The project proponent shall comply with the conditions of CLU, if obtained.
- iii) The project proponent shall prominently advertise in at least 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 MoEF&CC/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 have to publicly 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 and submit a copy of the same to SEIAA.
- 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 the same on the website of the company.
- viii) The project proponent shall inform the Regional Office as well as SEIAA Punjab, 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 those made to SEIAA / SEAC during their presentation.
- xi) No further expansion or modifications in the project shall be carried out other than those permitted in this EC without prior approval of SEIAA. In case of deviation or alterations in the project proposal from those submitted to the Ministry/SEIAA for clearance, a fresh reference shall be made to the Ministry/SEIAA, as applicable, to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
- xii) The Regional Office, MoEF&CC, Chandigarh, Punjab Pollution Control Board and SEIAA/ SEAC members nominated for the purpose shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer(s) entrusted with this monitoring by furnishing the requisite data/ information/monitoring reports.
- xiii) This Environmental Clearance is granted subject to final outcome of pending related cases in the Hon'ble Supreme Court of India, Hon'ble High Courts, Hon'ble NGT and any other Court of Law as may be applicable to this project.

XIII. Additional Conditions

- i) The Project Proponent shall use water efficient fixtures to reduce water consumption.
- ii) The Project Proponent shall provide treatment by providing ultra-filtration to treat the wastewater up to tertiary level.
- iii) The Project Proponent shall develop green belt with native tree species (having canopy type structure and especially trees, and not grass) before the completion of the project. The greenbelt shall inter alia cover the entire periphery of the unit provided that the number of trees to be planted should not be less than one tree per 80 sqm of the total land area. The canopy trees shall also be planted around the parking area to provide shade to the parked vehicles.
- iv) The project proponent shall plant tall saplings having height not less than 6 ft. The proponent shall make adequate provision of funds for raising the plantation and subsequent maintenance for three years in the Environment Management Plan.
- v) The project proponent shall submit the progress of developing the green belt in the six-monthly compliance report.
- vi) The Project Proponent shall ensure that the natural drainage channels in the project site including streams, drains, choes, creeks, rivulets etc. are not disturbed so that the natural flow of rain water etc is not impeded or disrupted in any manner.

2.0 Deliberations during 203rd meeting of SEIAA held on 29.03.2022.

The case was considered by SEIAA in its 203rd meeting held on 29.03.2022 which was attended by the following:

- (i) Mr. Sahil Garg, Partner, M/s Affinity Buildtech.
- (ii) Sh. Sital Singh, EIA coordinator and Sh. Sandeep Singh, FAE from M/s Chandigarh Pollution Testing Laboratory, E- 126, Phase-VII, Industrial Area, Mohali.

Environmental Consultant of the promoter company presented the salient features of the project. A copy of the presentation submitted by the Environmental Consultant was taken on record by the SEIAA.

To a query by SEIAA, project proponent informed that at present, the facility of MC sewer does not exist near the project site but Municipal Council will lay the sewer by the time the Project is completed. Therefore, plantation as per Karnal technology will be developed in an area of 1.5 acres to dispose off the treated waste water.

Further, as proposed by SEAC, tertiary treatment (Ultra filtration) in addition to the secondary treatment (STP based upon SBR technology) shall be carried out before discharging the treated waste water onto land for plantation purposes as per the Karnal technology to tackle the odour problem. Treated waste water will be discharged block wise to avoid any soil sickness and periodic maintenance of the plantation area shall be ensured to avoid any potential problem on

account of the disposal of treated waste water. SEIAA was not fully satisfied with the reply of the project proponent and decided to imposed the following additional conditions:

- (i) The development of the Plantation area as per the Karnal technology shall be commenced immediately so that the saplings are of 3 to 4 years age by the time occupancy commences and can, therefore, properly and fully utilize the treated waste water at project completion stage.
- (ii) Project proponent shall not sell the 1.5 acres land to be developed for plantation as per the Karnal technology till the time MC sewer is laid and Project waste water is connected with the MC Sewer after completion of all requisite formalities.
- (iii) Failure to strictly adhere to conditions (i) and (ii) above will constitute sufficient grounds to revoke this EC without further notice to the Project Proponent.

Project proponent agreed to the aforesaid conditions.

To another query by SEIAA, project proponent submitted a revised Environmental Management Plan including the amount of Rs. 100 lacs to be spent under CER activities as per table below:

Sr. No.	Activities	Total Expenditure (in lakhs)
1.	Cleaning & Development of the pond located in village Raipur Kalan as per "Seenchawal model"	65
2.	Tree Plantation of 6 ft height outside the project premises	35
Total		100

During discussions, the representative of the promoter company agreed to fully comply with all the conditions stipulated by SEAC. The SEIAA observed that the case stands recommended by SEAC and the Committee has awarded 'Silver Grading' to the project proposal. SEIAA looked into the details of the case and was satisfied with the same.

After detailed deliberations, SEIAA decided to accept the recommendations of SEAC and grant Environmental Clearance for the establishment of residential Project namely "Affinity Belgravia" at Zirakpur, District SAS Nagar, (Punjab) having proposed built-up area of 146787 Sqm and total land area of 38976 sqm to be developed by M/s Affinity Buildtech as per the details mentioned in the Form 1, 1A, EMP and subsequent presentations /clarifications made by the project proponent and his consultant with proposed measures and subject to conditions proposed by SEAC and amended and additional condition as under:

Amended condition no. (iii) of 'Environmental Management Plan

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 the competent authority. The year-wise funds earmarked for environmental protection measures shall be kept in a separate account and will not be diverted for any other purpose. The project proponent shall spend the minimum amount of Rs. 305.5 Lacs towards the capital cost and Rs. 14.4 Lacs/annum towards recurring cost in the construction and operation phase of the project (including the environmental monitoring cost and amount of Rs. 100 lacs to be spent on CER activities in the vicinity of the project), under the Environmental Management Plan (EMP) of the proposed project as per the details given in Table below:

Sr. no	Description	Capital Cost (Rs. in Lacs)	Recurring cost (Rs. in Lacs)	Recurring cost (Rs. in Lacs)
Construction Phase				Operation Phase
1.	Medical Cum First Aid	0.5	1.0	0
2.	Toilets for Sanitation System	3.0	2.0	0
3.	Wind breaking curtains	9.0	3.0	0
4.	Sprinklers for suppression of dust	3.0	2.5	0
5.	Sewage Treatment Plant	125.0	0	4.5
6.	Solid Waste Segregation & Disposal	18.0	0	5.0
7.	RWHP	7.0	0	1.5
8.	Green area developments	40.0	0	20
9.	Ambient Air Monitoring (Every Month)	0	3.0	3.0
10.	Drinking Water (Every Month)	0	2.4	2.4
11.	Noise Level Monitoring (Every Month)	0	0.5	0.5
12.	Treated Effluent Monitoring (6 Months)	0	0	1.0
13.	CER activities*	100		0

	Total	305.5	14.4	37.9

***CER Activities:**

As proposed, project proponent shall spend amount of Rs. 100 lacs under CER activities as under:

Sr. No.	Activities	Total Expenditure (in lakhs)
1.	Cleaning & Development of the pond located in village Raipur Kalan as per the "Seenchawal model"	65
2.	Tree Plantation of 6 ft height in adjacent areas outside the project premises	35
Total		100

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 properly and legally transferred to the Residents Welfare Association (RWA) under intimation to SEIAA, Punjab. Year-wise progress of implementation of the action plan shall be reported to the Ministry/Regional Office and SEIAA along with the Six-monthly Compliance Reports.

Additional Conditions imposed by SEIAA:

- (i) The development of the Plantation area as per the Karnal technology shall be commenced immediately so that the saplings are of 3 to 4 years age by the time occupancy commences and can, therefore, properly and fully utilize the treated waste water at project completion stage.
- (ii) Project proponent shall not sell the 1.5 acres land to be developed for plantation as per the Karnal technology till the time MC sewer is laid and Project waste water is connected with the MC Sewer after completion of all requisite formalities.
- (iii) In the event that the project proponent decides to abandon / close the Project at any stage, he shall submit an application in the prescribed form along with requisite documents through Parivesh to SEIAA for surrendering the Environmental Clearance as per the procedure prescribed in OM dated 29.03.2022 issued by the MoEF&CC. The project proponent shall be accountable for adherence/compliance of the EC conditions till such time as the project is finally closed by SEIAA, based upon the certified closure report of Integrated Regional Offices (IROs) of MoEF&CC, Chandigarh/PPCB.
- (iv) Failure to strictly adhere to conditions (i) and (ii) above will constitute sufficient grounds to revoke this EC without further notice to the Project Proponent.

Additional Condition no's. i), ii), iii), iv) and v) imposed by SEAC

Additional condition no's i), ii), iii), iv) and v) imposed by SEAC be deleted being repetitive in nature.

Item No.203.02: Application 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 (Proposal No. SIA/PB/IND /57686 /2020).

Background and Salient features of the case are as under:

The project proponent has applied 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. The project is covered under Activity 3(a) & Category ‘B1’.

The project proponent proposed to increase their production capacity by addition of two new Induction Furnaces of capacity 15 TPH each and Pipe plant. However, existing Induction Furnace of capacity 7 TPH and Rolling Mill will remain same.

Thus, after expansion, the total production capacity of the industrial unit will be @ 1,89,400 TPA of MS Billets/ Concast Billets/Flats/HR Coil /TMT Bars/Pipes with 3 Induction Furnaces (2x15 TPH & 1X7 TPH), Rolling Mill and Pipe Plant.

The Industry was issued Terms of Reference for carrying out EIA study for obtaining Environmental Clearance under EIA notification dated 14.09.2006 vide letter no. SEIAA/MS/2020/3420 dated 05.11.2020.

The total cost of the project is Rs 34.10 Crore. 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. 3,41,044/- through NEFT No. BARB2029778641 dated 29.01.2022, as verified by supporting staff SEIAA.

The Project Proponent has undertaken that the information given in the application is true to the best of his knowledge and belief and no facts have been concealed thereof. Further, he is aware that in case any information submitted is found to be false or misleading at any stage, the project will be rejected and clearance given, if any to the project will be revoked at their risk and cost.

PPCB was requested to send the latest construction status report of the project through e-mail on 11.02.2022. Punjab Pollution Control Board vide letter no. 678 dated 03.03.2022 has sent the latest construction status report with details as under:

“It is Intimated that site of the industry was visited by the AEE of Regional Office, Fatehgarh Sahib on 16/02/2022 and the point wise comments are as under:

Sr.no.	Information sought	Comments of the board
1.	Construction status of the proposed project. Please send the clear-cut report as to whether construction/new machinery has been started/ installed at the project except drain securing the land.	No Construction of the proposed project or installation of new machinery for expansion of the unit was in progress at site.
2.	Status of physical structures within 500 m radius of the site Including the status of Industries, drain, river, eco sensitive structure, if any.	As checking form Google Maps, there is National Highway-44, Service Road linking National Highway to Vill. Badinpur, agricultural fields, Peer Gajju shah Smadh, some residential houses, Commercial showrooms, industrial units within 500, meters from the proposed site. There are industrial units mainly rolling mills, induction furnaces etc. Within 500 meters of the propose site. No drain, river or eco-sensitive structure has been observed within 500 meters of the proposed site.
3.	Whether the site is meeting the prescribed criteria for setting up of such type of projects. Please send a clear-cut recommendation.	There are industrial units in the vicinity of the proposed project. The proposed site is located in industrial zone as observed in the notified Master Plan of Khanna (Legend marked as Purple which is designated as industrial zone). Apparently, the site is meeting with the general siting criteria as per policy of the Board, however, detailed report may be sought form DTP Ludhiana regarding suitability of site.
	Production of the existing unit in terms of TPA	As per the production record submitted by the Industry, the annual production for the financial year 2019-20 is 26428.165 TPA and 2020-21 is 23083.340 TPA.

1.0 Deliberations during 216th meeting of SEAC held on 14.03.2022.

The meeting was attended by the following:

- (i) Mr. Puneet Jaidka, Partner of Project.
- (ii) Dr. Sandeep Garg, and Mrs. Simranjit Kaur, EIA Coordinator, M/s Eco laboratories Pvt. Ltd.

SEAC allowed the Environmental Consultant of the Project Proponent to present the salient features of the project. He, thereafter, presented the case as under:

Sr. No.	Item No.	Details
1.	Nature of Project	Expansion of the existing Industrial Unit
2.	Category/Activity	Schedule: 3(a): Metallurgical Industries (ferrous & non-ferrous) Category: B-1
3.	Whether the project falls in critical polluted area notified by MoEF&CC/ CPCB.	No, the project is not located in critically polluted area as notified by MoEF&CC/ CPCB.
4.	If the project involves diversion of forest land. If yes, a) Extent of the forest land. b) Status of the forest clearance.	No, a self-declaration in this regard submitted.
5.	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
6.	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 National Board for Wild Life (NBWL).	No notified eco-sensitive zone falls within 10 km of the study area. NA Bir Bhadson Wild Life Sanctuary is located at a distance of 16.5 km from the project site.
7.	a. Total Project Cost	a. Existing cost of Project: Rs. 21.08 Crores.

	<p>b. Total project cost breakup at current price level</p>	<p>Proposed cost for expansion: 13.02 Crores. Total cost of project after expansion: Rs. 34.10 Crores.</p> <p>b. The break-up of the project cost is given as under:</p> <table border="1" data-bbox="688 415 1414 1186"> <thead> <tr> <th>S. No.</th> <th>Description</th> <th>Existing Cost (Rs. in lakh)</th> <th>Proposed cost (Rs. in lakh)</th> <th>Total cost after expansion (Rs. in lakh)</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Land</td> <td>163.62</td> <td>49.4</td> <td>213.02</td> </tr> <tr> <td>2.</td> <td>Building</td> <td>336</td> <td>175</td> <td>511</td> </tr> <tr> <td>3.</td> <td>Plant & Machinery</td> <td>369.1</td> <td>904</td> <td>1,273.1</td> </tr> <tr> <td>4.</td> <td>APCD/ Continuous online monitoring system/ STP</td> <td>23.49</td> <td>60</td> <td>83.49</td> </tr> <tr> <td>5.</td> <td>Others</td> <td>1,216.23</td> <td>113.6</td> <td>1,329.83</td> </tr> <tr> <td colspan="2">Total</td> <td>2,108.44</td> <td>1,302</td> <td>3,410.44</td> </tr> </tbody> </table>	S. No.	Description	Existing Cost (Rs. in lakh)	Proposed cost (Rs. in lakh)	Total cost after expansion (Rs. in lakh)	1.	Land	163.62	49.4	213.02	2.	Building	336	175	511	3.	Plant & Machinery	369.1	904	1,273.1	4.	APCD/ Continuous online monitoring system/ STP	23.49	60	83.49	5.	Others	1,216.23	113.6	1,329.83	Total		2,108.44	1,302	3,410.44
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<p>8.</p>	<p>Details of technology proposed for control of emissions & effluents generated from project</p> <table border="1" data-bbox="277 1270 1414 1682"> <thead> <tr> <th>S. No.</th> <th>Details of proposed APCD/STP</th> <th>Technology</th> <th>Capacity</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>APCD (Separate for all IFs)</td> <td>Side suction hood followed by Pulse Jet Bag Filter</td> <td>80,000 CMH each on proposed Induction Furnaces and 36,000 CMH on existing IF</td> </tr> <tr> <td>2.</td> <td>STP</td> <td>MBBR</td> <td>5 KLD</td> </tr> </tbody> </table>			S. No.	Details of proposed APCD/STP	Technology	Capacity	1.	APCD (Separate for all IFs)	Side suction hood followed by Pulse Jet Bag Filter	80,000 CMH each on proposed Induction Furnaces and 36,000 CMH on existing IF	2.	STP	MBBR	5 KLD																						
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<p>9.</p>	<p>Plot Area Details</p>	<p>Area breakup of the project is given below:</p> <table border="1" data-bbox="688 1724 1414 1854"> <thead> <tr> <th>S. No.</th> <th>Description</th> <th>Area (in sqm.)</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Existing Covered Area</td> <td>5,797.02</td> </tr> </tbody> </table>		S. No.	Description	Area (in sqm.)	1.	Existing Covered Area	5,797.02																												
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		2.	Proposed Covered Areas	1,449.81
		3.	Green Area (@ 33.01 %)	8,118.02
		4.	Passage Area	6,040.89
		5.	Parking Area	1,464.77
		6.	Grid, Open & other areas	1,720.53
		Total Area		24,591.0 sqm (6.076 acres)
10.	Type of project land as per master plan	The project falls in Industrial Zone as per Master Plan of Khanna 2010-2031. Permission for CLU granted for the total land area of 4.164 acres located at Village Alour, Tehsil Khanna, District Ludhiana obtained from Department of Town & Country Planning, Punjab vide memo No. 269/STP (L) 7W 12A dated 31.05.2018 submitted. Further, no permission for CLU for remaining land area of 1.912 acres has been obtained till date. Acknowledgement of the application filed with the Department of Punjab Bureau of Investment & Promotion submitted.		
11.	ToR Compliance Report	Submitted		
12.	Compliance Report of Public Hearing Proceedings (Action Taken)	No question/clarification/information/query was raised during public hearing, as all the people who attended the public hearing raised hands in favour of expansion of the unit.		
13.	Whether any litigation pending against the project or any direction/order passed by SPCB/Court of Law against the project, if so, details thereof shall also be included.	No litigation is pending against the project. Undertaking in this regard has been submitted.		
14.	Details of the raw materials given below:			
	S. No.	Raw Materials	Existing	Proposed
	1.	Scrap & Ferro Alloys	32,200 TPA	1,76,050 TPA
				Total after expansion
				2,08,340 TPA
15.	Details of the products given below:			
	S. No.	Product Name	Existing	Proposed
				Total after expansion

	1.	MS Billets/Concast Billets/ Flats/HR Coil/TMT Bars/Pipes	29,400 TPA	1,60,000 TPA	1,89,400 TPA
16.	Details of major machinery given below:				
	S. No.	Equipment's/ Machinery	Existing	Proposed	Total after expansion
	1.	Induction Furnace	1 × 7 TPH	2 × 15 TPH (Addition of 2 IF)	3 ((2 × 15 TPH and 1 × 7 TPH))
	2.	Rolling Mill	1	-	1
	3.	Pipe plant	--	1	1
17.	Manpower requirement		Details of manpower is given below: Existing manpower: 70 persons Proposed: 40 persons Total after expansion: 110 persons. No residing facility will be provided within project premises.		
18.	Details of emissions after expansion:				
	S. No.	Source	Fuel	APCD	
	1.	Induction Furnaces: 2 × 15 TPH & 1 × 7 TPH	Electricity	Separate APCD i.e. Side suction hood followed by Pulse Jet Bag Filter of capacity 80,000 CMH each will be provided on both IF's of capacity 15 TPH. However, APCD i.e. Side suction hood followed by Pulse Jet Bag Filter of capacity 36,000 CMH has been provided on existing IF of capacity 7 TPH which remains same even after expansion.	
	2.	DG set: 320 KVA	H.S.D	Canopy cover with adequate stack height	
19.	Hazardous/Non-Hazardous Waste Generation details & their storage, utilization and its disposal. Copy of agreement clearly mentioning the Quantity				
	Hazardous Waste				
	S. No.	Waste category	Existing	Total after expansion	Disposal
	1.	Category 5.1 Used oil	0.02 KL/annum	0.2 KL/annum	Agreement executed with M/s BRS Lubricants on 11.02.2019, which is valid upto 31.01.2023.
	2.	Category 35.1 APCD dust	0.2 TPD	1.5 TPD	Agreement executed with M/s Madhav KRG Ltd. (formerly known as Madhav Alloys Pvt. Ltd.) on 11.03.2022 submitted.
	Non-Hazardous Waste				

S. No.	Type of waste	Existing	Total after expansion	Disposal method
1.	Slag	3 TPD	18 TPD	20% reused for metal recovery & remaining 80% sold to M/s Shiva Tile Works co-processing. Agreement has been done with M/s Shiva Tile Works for co-processing on 08.01.2022.
20. Solid Waste Generation and its mode of Disposal				
S. No.	Type of waste	Existing	Total after expansion	Disposal method
1.	Domestic Solid waste	14 kg/day	22 kg/day	Disposed of as per Solid Waste Management Rules, 2016.
21. Wastewater generation & its disposal Arrangement in Operation phase:				
S. No.	Description	Total after expansion	Mitigation Measures/ Remarks	
1.	Domestic wastewater	4 KLD	Will be treated in proposed STP of capacity 5 KLD and reuse onto green area for horticulture purpose.	
2.	Industrial effluent	Nil	--	
22. Breakup of Water Requirement & its source in Operation phase:				
S. No.	Purpose	Existing water demand (KLD)	Total water demand after expansion (KLD)	
1.	Make-up water for cooling demand	14	58	
2.	Domestic water demand	4	5	
3.	Green area demand			
	• Summer	1	45	
	• Winter	0.3	15	
	• Monsoon	0.1	4	
	Total	19 KLD	108 KLD	
Source of water:				
S. No.	Purposes	Source of water		
1.	Make-up water for cooling demand	Ground water		
2.	Domestic water demand	Ground water		
3.	Green area demand	Treated water and Ground water		

23.	Details of Waste water generation its treatment & disposal	About 3 KLD of wastewater shall be generated due to domestic activities which shall be treated in the septic tank within the project premises. After expansion, 4 KLD of domestic wastewater shall be generated which will be treated in the proposed STP of capacity 5 KLD to be provided within the project premises. The treated wastewater of 3.5 KLD shall be utilized for the green area development during all three seasons. Also, no industrial effluent is being generated from the existing industrial unit and even after expansion no industrial effluent will be generated.																																							
24.	Rain water utilization proposal during monsoons	Water will be collected in a rain water harvesting tank of capacity 1,500 lts. and thereafter will be reused for cleaning purpose within project premises.																																							
25.	Rain Water Harvesting proposal (within/outside premises) along with NOC from concerned village Sarpanch	Outside project premises: Pond will be adopted for rain water recharging outside of project premises. A copy of NOC for pond adoption at Village Alour has been issued by Sarpanch, Gram Panchayat, Village Alour, Block Khanna, District Ludhiana.																																							
26.	Block wise details of no. of trees to be planted in proposed greenbelt area (1500 trees to be planted @ 10,00 sqm area):	<p>Blockwise green area and no. of trees to be planted are given below:</p> <table border="1" data-bbox="688 995 1414 1398"> <thead> <tr> <th>S. No.</th> <th>Block</th> <th>Green area (in sq.ft.)</th> <th>No. of trees</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Block A</td> <td>61,750</td> <td>851</td> </tr> <tr> <td>2.</td> <td>Block B</td> <td>7,000</td> <td>96</td> </tr> <tr> <td>3.</td> <td>Block C</td> <td>5,010</td> <td>69</td> </tr> <tr> <td>4.</td> <td>Block D</td> <td>1,250</td> <td>17</td> </tr> <tr> <td>5.</td> <td>Block E</td> <td>1,050</td> <td>14</td> </tr> <tr> <td>6.</td> <td>Block F</td> <td>490</td> <td>7</td> </tr> <tr> <td>7.</td> <td>Block G</td> <td>10,800</td> <td>149</td> </tr> <tr> <td colspan="2">Total</td> <td>87,350</td> <td>1,203</td> </tr> </tbody> </table>				S. No.	Block	Green area (in sq.ft.)	No. of trees	1.	Block A	61,750	851	2.	Block B	7,000	96	3.	Block C	5,010	69	4.	Block D	1,250	17	5.	Block E	1,050	14	6.	Block F	490	7	7.	Block G	10,800	149	Total		87,350	1,203
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27.	<p>a. Energy requirements & savings.</p> <p>b. Energy saving measures to be adopted within industry:</p>	<p>a. The energy requirement details are given below:</p> <table border="1" data-bbox="688 1440 1414 1717"> <thead> <tr> <th>Description</th> <th>Unit</th> <th>Existing</th> <th>Proposed</th> <th>Total after expansion</th> </tr> </thead> <tbody> <tr> <td>Power load</td> <td>KW</td> <td>6,500</td> <td>8,500</td> <td>15,000</td> </tr> <tr> <td>D.G set</td> <td>KVA</td> <td>150</td> <td>320</td> <td>320</td> </tr> </tbody> </table> <p>b. Energy Saving measures to be adopted:</p> <ul style="list-style-type: none"> • LEDs has been provided in place of CFLs. • Energy efficient Induction Furnaces and other machinery will be installed, after expansion. 				Description	Unit	Existing	Proposed	Total after expansion	Power load	KW	6,500	8,500	15,000	D.G set	KVA	150	320	320																					
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28.	EMP Budget details:			
	Sr. No.	Environmental Protection Measures	Capital Cost (Rs. in lakhs)	Recurring Cost (Rs. in lakhs/year)
	1.	Air Pollution Control (Installation of APCD on new induction Furnace along with continuous emission monitoring system)	150	5
	2.	Noise Pollution Control (Including cost of landscaping & green belt and provision of acoustic enclosure of DG set and ear plugs etc. for workers)	15	15 (for three years)
	3.	Solid Waste Management (disposal of domestic solid waste, slag and hazardous waste)	3	1
	4.	Water Pollution Control (installation of STP of capacity 5 KLD)	10	2
	5.	Environment Monitoring & Management	3	5
	6.	Health, Safety & Risk Assessment (Medical check-up, ESI & PPE kit for workers)	3	1
	7.	Rain water recharging outside of project premises	8	1
	8.	Miscellaneous	1	0.5
	9.	CER Activities		
		Adoption of Government Middle School located in Village Alour, Khanna for maintenance of school building and provision of necessary facilities.		13
		Installation of Solar panels of capacity 5 KW based on lithium ion battery.		4
	Total		Rs. 210 Lakhs	Rs. 30.5 Lakhs
<p>A duly constituted EMC comprises the following:</p> <ol style="list-style-type: none"> 1. Partner 2. Manager (Works) 3. Environment Consultant <p>Further, Mr. Puneet Jaidka (Partner) will be responsible for implementation of the CER activities. Following activity has been proposed under CER:</p>				

The Committee perused the KML file of the project site and it was observed that the nearest wildlife Sanctuary is located at a distance of 17 Km from the project site.

The Committee observed that the total land area of the project is 6.076 acres, out of which permission for Change of Land Use for total land area of 4.164 acres located at village Alour, Tehsil Khanna, District Ludhiana has been obtained from Department of Town & Country Planning, Punjab vide memo No. 269/STP (L) 7W 12A dated 31.05.2018. However, no permission for CLU for remaining land area of 1.912 acres has been obtained till date. In this regard, the Project Proponent informed that an application has been submitted with Department of Punjab Bureau of Investment & Promotion for obtaining permission for CLU for remaining land area of 1.912 acres which can be obtained within week time.

The Committee asked the Project Proponent to submit the permission for Change of Land Use for remaining land area of 1.912 acres before appraising the case by SEIAA, Punjab. The Project Proponent agree to the same.

The Committee was satisfied with the presentation and reply given by the Project Proponent and after detailed deliberations, SEAC decided to award 'Silver Grading' to the project proposal under category B1, Activity 3 (a) and to forward the application to SEIAA with the recommendations to grant Environmental Clearance 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 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 per the details mentioned in the application proposal & subsequent presentation /clarifications made by the project proponent and his consultant subject to the following conditions and special condition as under: -

Special Conditions:

- i. The industry shall obtain permission for Change of Land Use for the land area of 1.912 acres before appraising the case by SEIAA, Punjab.
- ii. The industry shall develop green belt in 33% of the total land area with native tree species (having canopy type structure and especially trees, and not grass) before the completion of the project. The greenbelt shall inter alia cover the entire periphery of the unit. The canopy trees shall also be planted around the parking area to provide shade to the parked vehicles.
- iii. The industry shall plant tall saplings having height not less than 6 ft. The industry shall make adequate provision of funds for raising the plantation and subsequent maintenance for three years in the Environment Management Plan.
- iv. The industry shall submit the progress of developing the green belt in the six-monthly compliance report.

- v. The industry shall install online monitoring system at inlet as well as at the outlet of each APCD for monitoring SPM.

I. Statutory compliance

- i. The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.
- ii. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
- iii. The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site Specific Conservation Plan/ Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report (in case of the presence of schedule-I species in the study area).
- iv. The project proponent shall obtain Consent to Establish/ Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned Punjab Pollution Control Board.
- v. The project proponent shall obtain the necessary permission from the Central Ground Water Authority/competent authority concerned, in case of withdrawal of groundwater and also in case of use of surface water required for the project. In case of non-grant of permission by CGWA for ground water abstraction, the industry shall make alternative arrangements by using surface water or treated city sewage effluent after obtaining permission from the competent authority.
- vi. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.
- vii. The project proponent shall comply with 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.
- viii. The project proponent shall comply with the CLU conditions imposed by the competent authority, if any.

II. Air quality monitoring and preservation

- i. The project proponent shall install 24x7 continuous emission monitoring system at the inlet as well as at the outlet (stack) of each APCD to monitor the SPM concentration with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R 277 (E) dated 31st March, 2012 (applicable to IF/EAF) as amended from time to time; S.O. 3305 (E) dated 7th December, 2015 (Thermal Power Plants) as amended from time to time) and connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.

- ii. The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through laboratories recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- iii. The project proponent shall install a system to carry out Manual Ambient Air Quality monitoring for parameters relevant to the main pollutants released (e.g. PM₁₀ and PM_{2.5} in reference to PM emission, and SO₂ and NO_x in reference to SO₂ and NO_x emissions) within and outside the plant area (at least at four locations one within and three outside the plant area at an angle of 120° each), covering upwind and downwind directions.
- iv. The project proponent shall submit monthly summary report of continuous stack emission and air quality monitoring and results of manual stack monitoring and manual monitoring of air quality/ fugitive emissions to the Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.
- v. Appropriate Air Pollution Control (APC) system shall be provided for all the dust-generating points including fugitive dust from all vulnerable sources.
- vi. The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.
- vii. Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, etc. regularly.
- viii. Recycle and reuse of iron ore fines, coal and coke fines, lime fines and such other fines collected in the pollution control devices and vacuum cleaning devices in the process after briquetting/ agglomeration should be ensured.
- ix. The project proponent shall use leak-proof trucks/dumpers carrying coal and other raw materials and cover them with tarpaulin.
- x. The project proponent shall provide covered sheds for raw materials like scrap and sponge iron, lump ore, coke, coal, etc.
- xi. The project proponent shall provide primary and secondary fume extraction system at all melting furnaces.
- xii. Design and implementation of the ventilation system for adequate air changes as per the ACGIH document for all tunnels, motor houses, Oil Cellars should be ensured.

III. Water quality monitoring and preservation

- i. The project proponent shall monitor regularly ground water quality at least twice a year (pre and post-monsoon) at sufficient numbers of piezometers/ sampling wells in the plant and adjacent areas through labs recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories.
- ii. Garland drains and collection pits shall be provided for each stock pile to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run off.
- iii. The project proponent shall practice rainwater harvesting to the maximum possible extent. For this, a pond at Mandi Gobindgarh having recharge potential of volume @

72843 m³ shall be adopted to recharge the water @ 36422 m³/annum. As an additional safety measure, the stream carrying waste water of the village shall be diverted in one corner of Phytoid plants trench (designed based on the technology developed by CSIR-NEERI's) divided into different parts, the overflow of each chamber shall be allowed to enter into another chamber which will ultimately lead to the purification of water and collected into the pond to avoid any contamination of ground water aquifer. Pond water will percolate through natural strata (without injection) to augment the ground water and remaining water shall be used for irrigation purposes by pumping method in the nearby fields.

- iv. The project proponent shall make efforts to minimize water consumption in the steel plant complex by segregation of used water, practicing cascade use and by recycling treated water.

IV. Noise monitoring and prevention

- i. Noise level survey shall be carried as per the prescribed guidelines and the report in this regard shall be submitted to the Regional Officer of the Ministry as a part of six-monthly compliance report.
- ii. The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.

V. Energy Conservation measures

- i. The project proponent shall practice hot charging of slabs and billets/blooms as far as possible.
- ii. The project proponent shall provide solar power generation on rooftops of buildings, solar light system for all common areas, street lights, parking around project area and maintain the same regularly.
- iii. The project proponent shall provide the for LED lights in their offices and residential areas.
- iv. The Project Proponent shall practice hot charging of slabs and billets/blooms as far as possible.

VI. Waste management

- i. Used refractories shall be recycled as far as possible.
- ii. 100% utilization of fly ash shall be ensured. All the fly ash shall be provided to cement and brick manufacturers for further utilization and Memorandum of Understanding in this regard shall be submitted to the Ministry's Regional Office.
- iii. The waste oil, grease and other hazardous waste shall be disposed of as per the Hazardous & Other waste (Management & Transboundary Movement) Rules, 2016.
- iv. Kitchen waste shall be composted or converted to biogas for further use.

VII. Green Belt

- i. Green belt shall be developed in an area of 6459.57 Sqm (equal to 33% of the plant area) with native tree species in accordance with SEIAA guidelines. Total 965 tall saplings (minimum 6 feet height) of indigenous species such as Neem, Drek, Kusum, Kadam, Banyan, Peepal, Amaltas, Arjun, Chakarasia etc will be planted.

VIII. Public hearing and Human health issues

- i. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
- ii. The project proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms of Factory Act.
- iii. 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 and records maintained as per the Factories Act.
- v. The project proponent shall carry out the activities apart from CER activities and spent an amount as commuted during the public hearing as per the public hearing action plan.

IX. Environment Management Plan

- i. 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 to all / 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.
- ii. 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 report to the head of the organization.
- iii. Action plan for implementing EMP and environmental conditions along with 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 account and will not be diverted for any other purpose. The project proponent shall spend a minimum amount of Rs 210 Lakhs towards the capital cost and Rs 30.5 Lakhs/annum towards recurring cost including the environmental monitoring cost for the implementation of EMP as proposed in EMP plan as under:

S. No.	Environmental Protection Measures	Capital Cost (Rs. in lakhs)	Recurring Cost (Rs. in lakhs/year)
1.	Air Pollution Control (Installation of APCD on new induction Furnace along with continuous emission monitoring system)	150	5
2.	Noise Pollution Control (Including cost of landscaping & green belt and provision of acoustic enclosure of DG set and ear plugs etc. for workers)	15	15 (for three years)
3.	Solid Waste Management (disposal of domestic solid waste, slag and hazardous waste)	3	1
4.	Water Pollution Control (installation of STP of capacity 5 KLD)	10	2
5.	Environment Monitoring & Management	3	5
6.	Health, Safety & Risk Assessment (Medical check-up, ESI & PPE kit for workers)	3	1
7.	Rain water recharging outside of project premises	8	1
8.	Miscellaneous	1	0.5
9.	CER Activities		
	Adoption of Government Middle School located in Village Alour, Khanna for maintenance of school building and provision of necessary facilities.	13	
	Installation of Solar panels of capacity 5 KW based on lithium ion battery.	4	
Total		Rs. 210 Lakhs	Rs. 30.5 Lakhs

Year-wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six-Monthly Compliance Report along with the Six-Monthly Compliance Report.

- iv. Self-environmental audit shall be conducted annually. Every three years third-party environmental audit shall be carried out.
- v. All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the plants shall be implemented.

X. 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.

XI. Miscellaneous

- i. The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition, this shall also be displayed in the project proponent's website permanently.
- ii. 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.
- iii. 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.
- iv. The project proponent shall monitor the criteria pollutants level namely; PM₁₀, SO₂, NO_x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.
- v. 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.
- vi. 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.
- vii. The project proponent shall inform the Regional Office of the Ministry and PPCB, 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.
- viii. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
- ix. 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 SEAC and SEIAA.
- x. No further expansion or modifications in the project shall be carried out other than those permitted in this EC without prior approval of SEIAA. In case of deviation or alterations in the project proposal from those submitted to the Ministry/SEIAA for clearance, a fresh

reference shall be made to the Ministry/SEIAA, as applicable, to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.

- xi. The Regional Office, MoEF&CC, Chandigarh, Punjab Pollution Control Board and SEIAA/SEAC members nominated for the purpose shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer(s) entrusted with this monitoring by furnishing the requisite data/ information/monitoring reports.

XII. Additional Conditions:

- i. The Project Proponent shall develop green belt in 33% of the total land area with native tree species (having canopy type structure and especially trees, and not grass) before the completion of the project. The greenbelt shall inter alia cover the entire periphery of the unit. The canopy trees shall also be planted around the parking area to provide shade to the parked vehicles.
- ii. The project proponent shall plant tall saplings having height not less than 6 ft. The proponent shall make adequate provision of funds for raising the plantation and subsequent maintenance for three years in the Environment Management Plan.
- iii. The project proponent shall submit the progress of developing the green belt in the six-monthly compliance report.
- iv. The Project Proponent shall install online monitoring system at inlet as well as at the outlet of each APCD for monitoring SPM.
- v. The Project Proponent shall submit compliance of the action plan proposed to address the public hearing issues along with the six-monthly compliance report of EC condition on Parivesh portal.

2.0 Deliberations during 203rd meeting of SEIAA held on 29.03.2022.

The case was considered by SEIAA in its 203rd meeting held on 29.03.2022 which was attended by the following:

- (i) Mr. Puneet Jaidka, Partner of Project.
- (ii) Ms Simranjit Kaur and Ms Jyoti Rani, EIA Coordinator from M/s Eco laboratories Pvt. Ltd.

Before allowing the presentation, to a query by SEIAA project proponent informed that Change of Land Use for land area of 1.912 acres has yet to be obtained. They further informed that the case is being continuously pursued with the officials of Department of Town & Country Planning and the CLU will be submitted to SEIAA as soon as it is granted. The project proponent requested that the project may be considered for grant of EC without the Change of Land Use permission.

SEIAA observed that SEAC has recommended the case with the specific condition that the industry shall obtain permission for Change of Land Use of the balance area of 1.912 acres before

appraising the case by SEIAA, Punjab. Furthermore, this specific condition was also agreed to by the Project Proponent during the meeting with SEAC. As such, the request of the project proponent to overlook this important condition prescribed by SEAC cannot be accepted at this stage.

SEIAA also observed that the amount proposed to be spent on the activity of rain water recharging outside the project premises appears to be inadequate. Further, revised CER Plan of minimum amount of Rs 25 Lacs (instead of the proposed Plan of Rs 17 Lacs) is required to be prepared and submitted. Environmental Consultant assured that revised Environmental Management Plan including the CER activities would be prepared keeping the aforementioned observations of SEIAA in view and would be submitted within 10 days.

After deliberations, SEIAA decided to defer the case and asked the project proponent to submit the reply to the aforesaid observations. The case be placed before SEIAA after getting the reply from the project proponent.

Item No. 203.03: Application for obtaining Environmental Clearance under EIA notification dated 14.09.2006 for carrying out the expansion of residential apartment project namely "AGI SKY GARDEN" located at Village Khazurla, G.T. Road, Tehsil Phagwara, District Kapurthala, Punjab, by M/s AGI Infra Limited (Proposal No. SIA/PB/MIS/70811/2021).

Background and Salient features of the case are as under:

The project proponent was granted Environmental Clearance vide SEIAA/2018/339 dated 21.03.2018, for the establishment of Group Housing project namely "AGI SKY GARDEN" located at Village Khazurla, G.T. Road, Tehsil Phagwara, District Kapurthala. The said EC was granted for construction of total number of 1274 flats in the total land area of 50585 sqm (12.5 acres) and total built-up area of 146685 sqm.

The project proponent has submitted an application for expansion in Environmental Clearance for constructing additional number of apartments/flats 902 by increase in the land area from 50585 sqm to 86059 sqm (21.265 acres) and built-up area from 146685 sqm to 273334 sqm. Earlier, the built-up area of the project was less than 1,50,000 sqm therefore the project was covered under the provisions of activity 8 (a) and category B2 of the schedule appended with the EIA notification dated 14.09.2006. However, now the total built-up area of the project exceeds 1,50,000 sqm as such it attracts the provisions of activity 8 (b) and category B2 of the schedule appended with the EIA notification dated 14.09.2006.

The project proponent has submitted the Form 2, conceptual layout plan and additional documents. The Project Proponent has deposited Rs. 1,26,700 through UTR no. PUNBH22004743766 dated 04.01.2022, as verified by supporting staff SEIAA.

The Project Proponent was issued with Terms of Reference for preparation of EIA study report vide SEIAA letter no SEIAA/2020/1723 dated 29.07.2020 and thereafter amendment in TORs were issued vide SEIAA letter no. SEIAA/MS/2021/4843 dated 18.10.2021.

The Regional Office of MoEF&CC vide letter dated 16-40/2018 (IRO)/862-863-864 dated 11.12.2020 sent the certified compliance report of the various conditions imposed in the earlier Environmental Clearance granted to the Project Proponent.

PPCB vide email dated 31.01.2022 has submitted latest status of the construction activity carried out at the project site with respect to the expansion proposal.

"It is submitted that in the case for Environmental Clearance for the proposed expansion of Project namely "AGI Sky Garden" at Khazurla, GT road, Phagwara, Kapurthala, Punjab, the site was visited by AEE of Regional Office-2, Jalandhar on 07.02.2022 and verified the status. The report submitted after verification at site, is as under: -

1. The Construction has not yet begun at site. Only the securing of land and earmarking of the boundaries of the project has been done by the Project Proponent.
2. There is no river/ drain/ eco-sensitive structure within 500-meter radius of the project. A railway line exists within a distance of around 100-meters from the project's boundary. The project site is surrounded by agricultural land, NH-1 (G.T. Road) and the already commissioned group housing project of the same Project Proponent. (The 500-meter survey plan is attached along with)
3. The details regarding the sitting criteria prescribed for such project is as below.
 - a. No air polluting industry is located within 100-meter radial distance of the project site.
 - b. No MAH industry is located within 250-meter radial distance of the project site.

As such, as per report of Regional Office-2, the project site is complying with the prescribed sitting criteria for setting up of such project.”

1.0 Deliberations during 216th meeting of SEAC held on 14.03.2022.

The meeting was attended by the following:

1. Sh. Balvinder Singh, Chief Financial Officer, M/s AGI Infra Limited.
2. Sh. Sital Singh, EIA Coordinator, M/s Chandigarh Pollution Testing Laboratory, E- 126, Phase-VII, Industrial Area, Mohali.
3. Sh. Sandeep Singh, Consultant, M/s Chandigarh Pollution Testing Laboratory, E- 126, Phase-VII, Industrial Area, Mohali.

SEAC allowed the Environmental Consultant of the Project Proponent to present the salient features of the project. He, thereafter, presented the case as under:

Sr. No	Item	Details
1.	Online Proposal No.	SIA/PB/MIS/70811/2021
2.	Name and Location of the project	Expansion of group housing project namely AGI SKY GARDEN, Village Khazurla, G. T. Road, Tehsil Phagwara, District Kapurthala Punjab to be developed by M/s AGI Infra Limited
3.	Project/activity covered under item of scheduled to the EIA Notification, 14.09.2006	8 b (Expansion)
4.	Whether the project is in critical polluted area or not.	No

5.	<p>If the project involves diversion of forest land. If yes,</p> <p>a) Extent of the forest land.</p> <p>b) Status of the forest clearance.</p>	<p>District Forest Officer vide letter No. JFD/FCA/5754 dated 31.10.2017 informed that the land area of 12.5 acres of the project has already been diverted to NHAI. Further, no forest land is involved in the project and there will be no impact on the existing trees/plants. Therefore, this office has not objection for the establishment of the group housing project.</p> <p>District Forest Officer vide letter No. JFD/FCA/6030 dated 13.11.2020 informed that the land area of 6.325 acres of the project has already been diverted to NHAI. Further, no forest land is involved in the project and there will be no impact on the existing trees/plants. Therefore, this office has not objection for the establishment of the group housing project.</p>
6.	<p>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.</p> <p>b) Is the project covered under PLPA, 1900, if yes then Status of the NOC w.r.t PLPA,1900.</p>	<p>The Project Proponent submitted self-declaration that no land area is covered under the Punjab Land Preservation Act 1900</p>
7.	<p>If the project falls within 10 km of Eco sensitive area/ National Park/Wild Life Sanctuary. If yes,</p> <p>a) Name of Eco sensitive area/ National Park/Wild Life Sanctuary and distance from the project site.</p>	<p>No, the Project does not fall in any notified eco-sensitive area submitted.</p> <p>NA</p>

	b) Status of clearance from National Board for Wild Life (NBWL).	NA																														
8.	Classification/Land use pattern as per Master Plan	Residential, a copy of permission for CLU of total land area of 12.5 acres granted by Senior Town Planner, Department of Town & Country Planning, Punjab vide memo No. 2426 STP (J)/CLU/(K) dated 27.09.2017 submitted. Further, a copy of permission for CLU for total land area of 6.325 acres granted by Senior Town Planner, Department of Town & Country Planning, Punjab vide memo No. 764 STP (J)/CLU/(K) dated 14.03.2018 submitted. The Project Proponent has proposed to increase the land area from 18.825 acres to 21.27 acres.																														
9.	Cost of the project	<table border="1"> <thead> <tr> <th>Description</th> <th>Existing (Lakhs)</th> <th>Proposed (Lakhs)</th> <th>Total (lakhs)</th> </tr> </thead> <tbody> <tr> <td>Land</td> <td>565</td> <td>320</td> <td>885</td> </tr> <tr> <td>Approval Charges</td> <td>400</td> <td>300</td> <td>700</td> </tr> <tr> <td>Construction charges</td> <td>20520</td> <td>15500</td> <td>36020</td> </tr> <tr> <td>Misc./Administrative expenses</td> <td>1225</td> <td>830</td> <td>2055</td> </tr> <tr> <td>Interest during const.</td> <td>800</td> <td>500</td> <td>1300</td> </tr> <tr> <td>Total</td> <td>23510</td> <td>17450</td> <td>40960</td> </tr> </tbody> </table>			Description	Existing (Lakhs)	Proposed (Lakhs)	Total (lakhs)	Land	565	320	885	Approval Charges	400	300	700	Construction charges	20520	15500	36020	Misc./Administrative expenses	1225	830	2055	Interest during const.	800	500	1300	Total	23510	17450	40960
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10.	Total Plot area, Built-up Area and Green area	<p>The Project Proponent proposed to construct 2176 number of flats in the land area of 86059 sqm. Further, the relevant details pertaining to the existing and proposed land area and built-up area is as under:</p> <table border="1"> <thead> <tr> <th>Description</th> <th>Existing</th> <th>Proposed</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>Land</td> <td>50585 sqm</td> <td>35474 sqm</td> <td>86059 Sqm</td> </tr> <tr> <td>Built-up area</td> <td>146685 sqm</td> <td>126649sqm</td> <td>273334 sqm</td> </tr> <tr> <td>Green Area</td> <td>10913 Sqm</td> <td>9536 sqm</td> <td>20449 Sqm</td> </tr> </tbody> </table>			Description	Existing	Proposed	Total	Land	50585 sqm	35474 sqm	86059 Sqm	Built-up area	146685 sqm	126649sqm	273334 sqm	Green Area	10913 Sqm	9536 sqm	20449 Sqm												
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	TOWER M2							
	Level detail	No. of Blocks	No. of units					
	Stilt +21	01	@14 flats per floor till 20th floor +28 flats (EWS) on 21st floor					
	TOTAL FLATS		308					
	2BHK BLOCK J							
	Level detail	No. of Blocks	No. of units					
	1st to 15th floors	01	@22 flats per floor					
	TOTAL FLATS		330					
	TOTAL FLATS PROPOSED		902					
	12.	Population (when fully operational)						
	S. No.	DESCRIPTION	NO. OF UNITS					
	1	Residential Flats	2176 @5person per flat					
	2	Shops	36 @2person per shop					
	3	School	1					
	4	Club/community center	1					
	5	Maintenance staff	--					
	6	Floating Population						
	TOTAL POPULATION		11,852					
13.	Details of Water requirement, waste water generation & utilization and solid waste generation as per the existing Environmental Clearance and proposed application.	Description	Existing	Proposed				
		Domestic Water requirement	1355 KLD	1497.54 KLD				
		Waste water generation	960 KLD	1198 KLD				
		Solid Waste generation	3000 Kg/day	4804 Kg/day				
14.	Break up of Water Requirements & source in Operation Phase (Summer, Rainy, Winter):							
	Sr. No.	Season	Total Water Consumption (KLD)	Wastewater generation (KLD)	Treated Wastewater generation (KLD)	Reuse for Flushing (KLD)	Green Area requirement @5.5l/m²(KLD)	Sewer Disposal (KLD)
	1.	Summer	1498	1198	1187	503	112.46	571.54
	2.	Winter	1498	1198	1187	503	36.80	647.2
	3.	Rainy	1498	1198	1187	503	10.22	673.78

	<p>a) The Project Proponent has submitted an acknowledgement received from PWRDA for submission of application for abstracting 995 KLD of ground water.</p> <p>b) The Project Proponent has obtained NOC issued by MC, Jalandhar vide letter dated 04.10.2017 for disposal of sewage treated water into main municipal corporation sewer.</p>													
15.	Rain water recharging detail	Rain water will be collected in 26 number of RWH pits and the said water shall be utilized for recharging ground water.												
16.	Solid waste generation and its disposal	<table border="1"> <thead> <tr> <th>Description</th> <th>Existing (kg/day)</th> <th>Additional (kg/day)</th> <th>Total (kg/day)</th> </tr> </thead> <tbody> <tr> <td>MSW</td> <td>3000</td> <td>1804</td> <td>4804</td> </tr> </tbody> </table> <p>b) Solid wastes will be appropriately segregated (at source. by providing bins) into recyclable, Bio-degradable Components, and non- biodegradable. The Biodegradable component of solid waste would be treated by providing an onsite composting facility and the non-biodegradable component would be sent to be material recovery facility of MC Jalandhar.</p>	Description	Existing (kg/day)	Additional (kg/day)	Total (kg/day)	MSW	3000	1804	4804				
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MSW	3000	1804	4804											
17.	Hazardous Waste & E-waste	Used oil from DG sets @ 500 lit/annum will be sold to registered recyclers and E-waste will be disposed of as per the E-waste (Management) Amendment Rules, 2018.												
18.	Energy Requirements & Saving	<table border="1"> <thead> <tr> <th>Description</th> <th>Existing</th> <th>Proposed</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>Electrical Power requirement (KW)</td> <td>4000</td> <td>3800</td> <td>7800</td> </tr> <tr> <td>Source</td> <td colspan="3">PSPCL</td> </tr> </tbody> </table> <p>a) After expansion, there will be two DG sets of capacity 500 KVA each, which shall be provided adequate stack height of 15m.</p>	Description	Existing	Proposed	Total	Electrical Power requirement (KW)	4000	3800	7800	Source	PSPCL		
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Electrical Power requirement (KW)	4000	3800	7800											
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19.	Block wise details of no. of trees to be planted in proposed greenbelt area	The area under the proposed expansion is 8.77acres and a total of 444 no. of trees in addition to the existing plantation will be planted.												
20.	<p>Environment Management Plan along with Budgetary break up phase wise and responsibility to implement</p> <p>Environmental management Plan (Proposed Expansion)</p> <table border="1"> <thead> <tr> <th>Sr. No.</th> <th>Environmental Aspect</th> <th>Approx. Capital Cost (Rs lac)</th> <th>Approx. Recurring Cost (Rs lac)</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Air</td> <td>-</td> <td>2.0</td> </tr> <tr> <td>2.</td> <td>Sewage Treatment Plant</td> <td>400</td> <td>45.0</td> </tr> </tbody> </table>		Sr. No.	Environmental Aspect	Approx. Capital Cost (Rs lac)	Approx. Recurring Cost (Rs lac)	1.	Air	-	2.0	2.	Sewage Treatment Plant	400	45.0
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1.	Air	-	2.0											
2.	Sewage Treatment Plant	400	45.0											

3.	MSW	2.0	3.5
4.	Environmental monitoring & Management	-	0.5
5.	Record & maintenance of water consumption, waste water generation	1.0	-
6.	Monitoring of treated Sewage water Quality	-	0.5
7.	Storm water management	20.0	0.5
8.	Green belt	4.44	4.0
9.	During construction phase	10.0	
10.	Sundry(misc.)	5.0	-
11.	Rain Water harvesting	-	3.0
Total		442.44	59.0

The Committee observed that the total land area of the project after expansion shall be 21.265 acres. However, permission for Change of Land Use has been obtained for the land area of 18.825 acres. In this regard, Project Proponent informed the Committee that the application for obtaining the permission for CLU of remaining land area 2.44 acres is under process and shall be obtained within 2 days.

The Committee asked the Project Proponent to submit the permission for Change of Land Use for remaining land area of 2.44 acres before appraising the case by SEIAA, Punjab. The Project Proponent agree to the same.

The Committee perused the Certified Compliance Report issued by MoEF&CC vide letter dated 11.12.2020 of the previous Environmental Clearance granted to the Project Proponent and the same was found satisfactory.

The Committee further observed that the Project Proponent proposes to discharge maximum quantity of 673.78 KLD of treated wastewater into sewer in rainy season, however, no permission has been obtained by the Project Proponent for discharging treated wastewater into sewer. In this regard, the Project Proponent informed the Committee that latest permission vide letter dated 09.03.2022 has been issued by MC Jalandhar, wherein it has been mentioned that the permission is granted for sewer connection for disposal of treated wastewater of AGI Sky Garden

expansion project in the main sewer of MC Jalandhar subject to the completion of requisite formalities and fulfilment of prescribed terms and conditions.

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 the expansion of residential apartment project namely "AGI SKY GARDEN" at Village Khazurla, G.T. Road, Tehsil Phagwara, District Kapurthala, Punjab. The total land area of the project is 86059 sqm (21.265 acres) with proposed built-up area of 273334 Sqm, as per the details mentioned in the application proposal & subsequent presentation /clarifications made by the project proponent and his consultant subject to the following special condition along with other standard conditions: -

Special Conditions:

- i. The Project Proponent shall obtain permission for Change of Land Use for the remaining land area of 2.44 acres before appraising the case by SEIAA, Punjab.
- ii. The Project Proponent shall develop green belt with native tree species (having canopy type structure and especially trees, and not grass) before the completion of the project. The greenbelt shall inter alia cover the entire periphery of the unit provided that the number of trees to be planted should not be less than one tree per 80 sqm of the total project area. The canopy trees shall also be planted around the parking area to provide shade to the parked vehicles.
- iii. The project proponent shall plant tall saplings having height not less than 6 ft. The proponent shall make adequate provision of funds for raising the plantation and subsequent maintenance for three years in the Environment Management Plan.
- iv. The project proponent shall submit the progress of developing the green belt in the six-monthly compliance report.

I. Statutory compliances:

- i) The project proponent shall obtain all necessary clearances/ permissions from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building bye laws.
- ii) The approval of the Competent Authority shall be obtained for structural safety of buildings, 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 is 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 Punjab Pollution Control Board.
- vi) The project proponent shall obtain the necessary permission for abstraction 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 submit the NOC/ land use conformity certificate from Deptt. of Town and Country Planning or other concerned Authority under whose 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 being granted.

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 undertake 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 would be the preferred option. The

location of the DG sets may be decided in consultation with Punjab Pollution Control Board.

- v) Construction site shall be adequately barricaded before the construction begins. Dust, smoke and 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 3 m height or 1/3rd of the building height and maximum up to 10 m). 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 and 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 roadside 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 the norms and regulations prescribed under 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 shall be complied with.
- xvi) Roads leading to or at construction site must be paved and blacktopped (i.e., metallic roads should be built and used).
- 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 measures will be notified at the site

III. Water quality monitoring and preservation

- i) The natural drainage system should be maintained for ensuring unrestricted flow of water.
- ii) No construction shall be allowed which obstructs the natural drainage through the site, in 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 far as possible. Minimum cutting and filling should be done.
- iv) The total domestic water requirement for the project will be 1497.54 KL/day, out of which fresh water demand of 995 KL /day shall be met through own tube well. 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 1198 KL/day, which will be treated in STP of capacity 1500 KL/day to be installed within the project premises. As proposed, treated wastewater available at outlet of STP will be disposed as under:

Sr. No.	Season	Total Water Consumption (KLD)	Wastewater generation (KLD)	Treated Wastewater generation (KLD)	Reuse for Flushing (KLD)	Green Area requirement @5.5l/m ² (KLD)	Sewer Disposal (KLD)
1.	Summer	1498	1198	1187	503	112.46	571.54
2.	Winter	1498	1198	1187	503	36.80	647.2
3.	Rainy	1498	1198	1187	503	10.22	673.78

- 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 designed 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 and SEIAA 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) Dual pipe plumbing shall be installed 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, air conditioning etc.
- xi) Installation of R.O. plants in the project will be discouraged in order to reduce water wastage in form of RO reject. However, in case the requirement of installing RO plant is unavoidable, the rejected stream from the RO shall be separated and shall be utilized by storing the same within the particular component or in a common place in the project premises.
- xii) The project proponent shall also adopt the new/innovating technologies like low water discharging taps (faucet with aerators) /urinals with electronic sensor system /waterless urinals / twin flush cisterns/ sensor-based alarm 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.
- xiii) The project proponent will provide plumbing system for reuse of treated wastewater for flushing/other purposes etc. and will colour code the 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 and 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 and 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 adopting other best practices.
- 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 plot 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, 8 no. rain water recharge pits have been proposed 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 should be 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 and SEIAA 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 and gardening. No treated water shall be disposed of into the municipal storm water drain.
- xxi) No sewage or untreated effluent would be discharged through storm water drains. Onsite sewage treatment with capacity to treat 100% waste water will 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 / SEIAA before the project is commissioned for operation. Treated waste water shall be reused on-site for landscape, flushing, 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 commercial area 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 noise levels 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 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) At least 30% of the roof top area shall be used for generating Solar power for lighting in the apartments so as 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.

VI. Waste Management

- i) A certificate from the competent authority handling municipal solid waste, 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 should not create any adverse effect on the neighbouring communities and should be safely 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) All non-biodegradable waste shall be handed over to authorized recyclers for which a written tie up must be done with the authorized recyclers.
- v) Any hazardous waste generated during construction phase, shall be disposed of as per applicable rules and norms with necessary approvals of the State Pollution Control Board.
- vi) 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.
- vii) 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.
- viii) Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Rules, 2016.
- ix) Used CFLs and TFLs should be properly collected and disposed of or sent for recycling as per the prevailing guidelines/ rules of the regulatory authority to avoid mercury contamination.

VII. Green Cover

- i) No naturally growing tree should be felled/transplanted 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.
- 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. The project proponent shall ensure planting of additional 444 trees (@1 tree/80 Sqm of Total land Area) in the project area under expansion at the identified location, as per proposal submitted, with plants of native species preferably having broad leaves. The size of the plant thus planted should not be less than 6 ft and each plant shall be protected with a fence and properly maintained. The

project proponent shall make adequate provisions of funds to ensure maintenance of the plants for a further period of three years. The plants shall be protected and maintained by the project proponent or Residents Welfare Association, as the case may be, even after three years. 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 undertaken 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 saplings of the same species for every tree that is cut) shall be done and the newly planted saplings will be maintained for at least 5 years. Green belt development shall be undertaken 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 commercial 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.
 - e) Hierarchy of roads with proper segregation of vehicular and pedestrian traffic.
 - f) Traffic calming measures.
 - g) Proper design of entry and exit points.
 - h) Parking norms as per local regulations.
- ii) Vehicles hired for bringing construction material to the site should be in good condition and should have a valid pollution check certificate, conform to applicable air and noise emission standards and should 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 masks.
- ii) For indoor air quality the ventilation provisions as per National Building Code of India should be followed.
- 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. Environment Management Plan

- i) 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.
- ii) 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 report directly to the head of the organization.
- iii) 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 will not be diverted for any other purpose.

Sr. No.	Environmental Aspect	Approx. Capital Cost (Rs lac)	Approx. Recurring Cost (Rs lac)
1.	Air	-	2.0

2.	Sewage Treatment Plant	400	45.0
3.	MSW	2.0	3.5
4.	Environmental monitoring & Management	-	0.5
5.	Record & maintenance of water consumption, waste water generation	1.0	-
6.	Monitoring of treated Sewage water Quality	-	0.5
7.	Storm water management	20.0	0.5
8.	Green belt	4.44	4.0
9.	During construction phase	10.0	
10.	Sundry(misc.)	5.0	-
11.	Rain Water harvesting	-	3.0
Total		442.44	59.0

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 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 shall obtain completion and occupancy certificate from the Competent Authority and submit a copy of the same to the SEIAA, Punjab before allowing any occupancy.
- ii) The project proponent shall comply with the conditions of CLU, if obtained.
- iii) The project proponent shall prominently advertise in at least 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 MoEF&CC/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 have to publicly 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 and submit a copy of the same to SEIAA.
- 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 the same on the website of the company.
- viii) The project proponent shall inform the Regional Office as well as SEIAA Punjab, 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 those made to SEIAA / SEAC during their presentation.
- xi) No further expansion or modifications in the project shall be carried out other than those permitted in this EC without prior approval of SEIAA. In case of deviation or alterations in the project proposal from those submitted to the Ministry/SEIAA for clearance, a fresh reference shall be made to the Ministry/SEIAA, as applicable, to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
- xii) The Regional Office, MoEF&CC, Chandigarh, Punjab Pollution Control Board and SEIAA/ SEAC members nominated for the purpose shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer(s) entrusted with this monitoring by furnishing the requisite data/ information/monitoring reports.
- xiii) This Environmental Clearance is granted subject to final outcome of pending related cases in the Hon'ble Supreme Court of India, Hon'ble High Courts, Hon'ble NGT and any other Court of Law as may be applicable to this project.

XIII. Additional Conditions

- i) The Project Proponent shall use water efficient fixtures to reduce water consumption.
- ii) The Project Proponent shall provide treatment by providing ultra-filtration to treat the wastewater up to tertiary level.

- iii) The Project Proponent shall develop green belt with native tree species (having canopy type structure and especially trees, and not grass) before the completion of the project. The greenbelt shall inter alia cover the entire periphery of the unit provided that the number of trees to be planted should not be less than one tree per 80 sqm of the total land area. The canopy trees shall also be planted around the parking area to provide shade to the parked vehicles.
- iv) The project proponent shall plant tall saplings having height not less than 6 ft. The proponent shall make adequate provision of funds for raising the plantation and subsequent maintenance for three years in the Environment Management Plan.
- v) The project proponent shall submit the progress of developing the green belt in the six-monthly compliance report.
- vi) The Project Proponent shall ensure that the natural drainage channels in the project site including streams, drains, choes, creeks, rivulets etc. are not disturbed so that the natural flow of rain water etc is not impeded or disrupted in any manner.

2.0 Deliberations during 203rd meeting of SEIAA held on 29.03.2022.

The case was considered by SEIAA in its 203rd meeting held on 29.03.2022 which was attended by the following:

- (i) Sh. B.S. Sandha, Chief Financial Officer, M/s AGI Infra Limited.
- (ii) Sh. Sital Singh, EIA Coordinator, M/s Chandigarh Pollution Testing Laboratory, E- 126, Phase-VII, Industrial Area, Mohali.
- (iii) Sh. Sandeep Singh, Consultant, M/s Chandigarh Pollution Testing Laboratory, E- 126, Phase-VII, Industrial Area, Mohali.

Before allowing the project proponent to present the case, to a query by SEIAA and in compliance with the special condition imposed by SEAC, project proponent submitted a copy of Change of Land Use issued by the Jalandhar Development Authority vide letter no. 1208 dated 17.03.2022 for land area of 2.4 acres for residential purposes.

To another query of SEIAA regarding a complaint received from Green Heritage Savers (Regd.) alleging illegal cutting of trees alongside the 66 ft. wide road. Near Uraban Estate, Phase-11 (which has been sent for enquiry and report to the concerned DFO by SEIAA), Project Proponent informed that their Project under consideration is located about 10 km away from the location mentioned in the complaint. This was confirmed in the meeting through Project KML file / Google Earth. However, some other projects namely AGI Palace and Jalandhar Heights are also being developed by M/s AGI Infra which are located alongside the 66 ft road mentioned in the complaint. In this regard, Project Proponent stated that there is no truth in the allegations in the complaint that thousands of trees have been illegally felled by them since this road is being widened by the PWD for which certain numbers of trees have been legally felled as per permission accorded by the Forest Department vide letter no. 1858-60 dated 30.09.2021. A copy of the said letter was submitted which was taken on record by SEIAA. It was decided to accept the contentions of the Project Proponent in respect of the complaint with the proviso that in case

allegations of illegal felling were subsequently substantiated in the report of the DFO, the EC would be suspended / revoked.

Further, SEIAA observed that six-monthly compliance report has been uploaded on the Parivesh portal and SEAC has reported satisfactory compliance of the conditions of Environmental Clearance earlier granted to the project. Thereafter, SEIAA allowed the Environmental Consultant to present the salient features of the project and a copy of the presentation submitted by project proponent was taken on record.

During discussions, the representative of the promoter company agreed to spend minimum amount of Rs. 648.24 Lacs towards the capital cost and Rs. 59.0 Lacs/annum towards recurring cost in the construction and operation phase of the project (including the environmental monitoring cost and amount of Rs. 190.80 lacs to be spent on CER activities in the vicinity of the project within 5 years), under the Environmental Management Plan (EMP) of the proposed project as per details provided in Table below:

Sr. No.	Environmental Aspect	Approx. Capital Cost (Rs lac)	Approx. Recurring Cost (Rs lac)
1.	Air	0	2.0
2.	Sewage Treatment Plant	400	45.0
3.	MSW	2.0	3.5
4.	Environmental monitoring & Management	0	0.5
5.	Record & maintenance of water consumption, waste water generation	1.0	0
6.	Monitoring of treated Sewage water Quality	0	0.5
7.	Storm water management	20.0	0.5
8.	Green belt	4.44	4.0
9.	During construction phase	10.0	0
10.	Rain Water harvesting	20.0	3.0
11.	CER activities	190.8	0
Total		648.24	59

***CER Activities:**

As proposed, project proponent shall spend amount of Rs. 190.08 lacs under CER activities as under:

Sr. No.	Activities	Total Expenditure (in lakhs)
1.	Purchase of Tall plants	24.0

2.	Maintenance of Green belt alongside roads / Central Verge of 8 Km length of Municipal Corporation Jalandhar adopted for plantation and maintenance by the Project	46.8
3.	Truck Mounted Plant Washer Sprayer	7.0
4.	Painting of Central Verge of adopted Roads	39.0
5.	Truck Mounted Road Sweeper	20.0
6.	Operational cost of Truck Mounted Road Sweeper	54.0
Total		190.8

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 properly and legally transferred to the Residents Welfare Association (RWA) under intimation to SEIAA, Punjab. Year-wise progress of implementation of the action plan shall be reported to the Ministry/Regional Office / SEIAA along with the Six-monthly Compliance Reports.

During discussions, the representative of the promoter company agreed to fully comply with all the conditions proposed by SEAC as also undertake the CER activities of Rs 190.8 lacs as specified above.

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

After detailed deliberations, SEIAA decided to accept the recommendations of SEAC and grant Environmental Clearance for expansion of residential apartment project namely "AGI SKY GARDEN" at Village Khazurla, G.T. Road, Tehsil Phagwara, District Kapurthala, Punjab. The total land area of the project is 86059 sqm (21.265 acres) with proposed built-up area of 273334 Sqm, as per the details mentioned in the Form 1, 1A, EMP and subsequent presentation /clarifications made by the project proponent and his consultant with proposed measures and subject to conditions proposed by SEAC and additional conditions as under:

Amended Conditions:

X. Environmental Management Plan

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 the competent authority. The year-wise funds earmarked for environmental protection measures shall be kept in a separate account and will not be diverted for any other purpose. The project proponent shall spend the minimum amount of Rs. 648.24 Lacs towards the capital cost and Rs. 59.0 Lacs/annum towards recurring cost in the construction and operation phase of the project (including the environmental monitoring cost and amount of

Rs. 190.80 lacs to be spent on CER activities in the vicinity of the project within 5 years), under the Environmental Management Plan (EMP) of the proposed project as per the details given in Table below:

Sr. No.	Environmental Aspect	Approx. Capital Cost (Rs lac)	Approx. Recurring Cost (Rs lac)
1.	Air	0	2.0
2.	Sewage Treatment Plant	400	45.0
3.	MSW	2.0	3.5
4.	Environmental monitoring & Management	0	0.5
5.	Record & maintenance of water consumption, waste water generation	1.0	0
6.	Monitoring of treated Sewage water Quality	0	0.5
7.	Storm water management	20.0	0.5
8.	Green belt	4.44	4.0
9.	During construction phase	10.0	0
10.	Rain Water harvesting	20.0	3.0
11.	CER activities*	190.8	0
Total		648.24	59

***CER Activities:**

As proposed, project proponent shall spend amount of Rs. 190.08 lacs under CER activities as under:

Sr. No.	Activities	Total Expenditure (in lakhs)
1.	Purchase of Tall Plants	24.0
2.	Maintenance of Green belt alongside roads / Central Verge of 8 Km length of Municipal Corporation Jalandhar adopted for plantation and maintenance by the Project	46.8
3.	Truck Mounted Plant Washer / Sprayer	7.0
4.	Painting of Central Verge of adopted Roads	39.0
5.	Truck Mounted Road Sweeper	20.0
6.	Operational cost of Truck Mounted Road Sweeper	54.0
Total		190.8

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 properly and legally transferred to the Residents Welfare Association (RWA) 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 Reports.

Additional Condition

- (i) The EC may be suspended / revoked in case the allegations of illegal felling of a large number of trees in the complaint made by from Green Heritage Savers (Regd.) are subsequently found true / established.
- (ii) In the event that the project proponent decides to abandon / close the Project at any stage, he shall submit an application in the prescribed form along with requisite documents through Parivesh to SEIAA for surrendering the Environmental Clearance as per the procedure prescribed in OM dated 29.03.2022 issued by the MoEF&CC. The project proponent shall be accountable for adherence/compliance of the EC conditions till such time as the project is finally closed by SEIAA, based upon the certified closure report of Integrated Regional Offices (IROs) of MoEF&CC, Chandigarh/PPCB.

Additional Condition no's. i), ii), iii), iv) and v) imposed by SEAC

Additional condition no's i), ii), iii), iv) and v) imposed by SEAC be deleted being repetitive in nature.

Item No. 203.04: Application for Environmental clearance under EIA notification dated 14.09.2006 for expansion of steel Billets/Ingots from 14,000 TPA to 1,81,300 TPA and Rolled/Flats from 24,500 TPA to 1,68,000 TPA by replacing existing 4 TPH induction furnaces with 7 TPH induction furnace and to install additional 2 no. induction furnaces of capacity 15 TPH each, Ladle Refining furnace (LRF) of 20 TPH capacity, Vacuum Degassing (VD), Concast and 1 no. Rolling Mill of capacity 20 TPH at Village Khingra Choe, Tehsil Bhogpur, District Jalandhar, Punjab by M/s K.J. International. (Proposal No. SIA/PB/IND/72389/2021).

Background and Salient features of the case are as under:

The industry has applied for carrying out expansion for manufacturing of steel Billets/Ingots from 14,000 TPA to 1,81,300 TPA and Rolled/Flats from 24,500 TPA to 1,68,000 TPA by replacing existing 4 TPH induction furnaces with 7 TPH induction furnace and to install additional 2 no. induction furnaces of capacity 15 TPH each, Ladle Refining furnace (LRF) of 20 TPH capacity, Vacuum Degassing (VD), Concast plant and 1 no. Rolling Mill of capacity 20 TPH at Village Khingra Choe, Tehsil Bhogpur, District Jalandhar, Punjab. The project is covered under Activity 3(a) & Category 'B1' as per EIA notification dated 14.09.2006.

The Industry was issued Terms of Reference for carrying out EIA study for obtaining Environmental Clearance under EIA notification dated 14.09.2006 vide letter no. SEIAA/MS/2021/4333 dated 25.06.2021.

The industry has submitted Final EIA report after incorporating the compliance of Terms of Reference earlier issued to the industry and compliance of decisions of public hearing.

The total cost of the project is 28.5925 Cr. The project proponent submitted the Form 2, Pre-feasibility report and other additional documents on online portal. He has also deposited the processing fee amounting to Rs. 2,14,443/- through NEFT No. PUNBR52022020819231839 dated 07.02.2022, as verified by supporting staff SEIAA.

The Project Proponent has undertaken that the information given in the application is true to the best of his knowledge and belief and no facts have been concealed thereof. Further, he is aware that in case any information submitted is found to be false or misleading at any stage, the project will be rejected and clearance given, if any to the project will be revoked at their risk and cost.

The Member Secretary, PPCB vide letter No. 809 dated 13.01.2022 conveyed proceeding of public hearing held on 18.11.2021, wherein the comments on suitability of site, adequacy of pollution control proposals and construction status has been incorporated as under:

"Suitability of Site

The industry has already obtained CLU from the District Town Planner, Jalandhar vide its letter No. 1722 dated 25.06.2010 mentioning that the site of the industry falls outside the Local

Planning Area Jalandhar (2020-31) and the industry does not fall in any notified area. Further, the site of the industry meets with general siting criteria.

Adequacy of Pollution Control Proposal:

The Industry has proposed to install individual pulse jet bag filter as APCD with all the 3 No. proposed induction furnace and water scrubber as APCD with proposed rolling mill. As per the prevailing policy of the Board dated 24.09.2018, the industry is also required to provide collection system including side hood as well as to implement the standard operating procedure as advised by PSCST, Chandigarh. The industry to submit completion/adequacy certificate of APCD from the PSCST before the commissioning of the unit, accordingly.

Construction Status:

The industry has not yet started construction activity for the proposed expansion project.”

1.0 Deliberations during 216th meeting of SEAC held on 14.03.2022.

The meeting was attended by the following:

1. Sh. Bhupinder Singh, General Manager, M/s KJ International.
2. Sh. Sital Singh, EIA Coordinator, M/s Chandigarh Pollution Testing Laboratory, E- 126, Phase-VII, Industrial Area, Mohali.
3. Sh. Sandeep Singh, Consultant, M/s Chandigarh Pollution Testing Laboratory, E- 126, Phase-VII, Industrial Area, Mohali.

SEAC allowed the Environmental Consultant of the Project Proponent to present the salient features of the project. He, thereafter, presented the case as under:

1.	Name of the project: Correspondence address:	M/s K.J. International Village- Khingra Choe, Tehsil- Bhogpur, District- Jalandhar, Punjab
2.	Online Proposal No.	SIA/PB/IND/72389/2021
3.	Nature of project (EC for new project/EC for Expansion/ EC for existing & proposed project)	EC for proposed project
4.	a) Category b) Activity (As per schedule appended to EIA Notification, 2006 as amended time to time)	(a) B-1 (b) Metallurgical Industries (ferrous & nonferrous) (8), Schedule 3(a) as per EIA notification-2006.
5.	If the project involves diversion of forest land. If yes, a) Extent of the forest land.	No, a self-declaration in this regard submitted.

	Status of the forest clearance.	
6.	<p>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.</p> <p>b) Is the project covered under PLPA, 1900, if yes then Status of the NOC w.r.t PLPA,1900.</p>	No, a self-declaration in this regard submitted.
7.	<p>If the project falls within 10 km of Eco sensitive area/ National Park/Wild Life Sanctuary. If yes,</p> <p>a) Name of Eco sensitive area/ National Park/Wild Life Sanctuary and distance from the project site.</p> <p>b) Status of clearance from National Board for Wild Life (NBWL).</p>	<p>No, the project site is not located in any notified eco-sensitive zone.</p> <p>NA</p> <p>NA</p>
8.	<p>a. Whether the project falls in the critical polluted area notified by MoEF&CC/CPCB. (Yes/No)</p> <p>b. If no and the proposed project site lies in the same or neighbouring district of critically polluted area, then details the distance of project site from the boundary of critically polluted area verified by the regional office of SPCB. (Submitted/Not submitted)</p>	The project falls outside the Critical polluted area

9.	<p>a. Total Project Cost (In Crores):</p> <p>b. Total project cost breakup at current price level duly certified by Chartered Engineer/ Approved valuer or Chartered Accountant</p>	<p>a. Total Project Cost (In Crores): Rs. 28.5925 Crore</p> <p>b. Total project cost breakup at current price level duly certified by Chartered Engineer/ Approved valuer or Chartered Accountant is following:</p> <table border="1" data-bbox="688 411 1459 709"> <thead> <tr> <th>Sr No.</th> <th>Description</th> <th>Existing Cost (Rs. in Lacs)</th> <th>Proposed Cost (Rs. in Lacs)</th> <th>Total cost (Rs. in Lacs)</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Land</td> <td>50.00</td> <td>Nil</td> <td>50.00</td> </tr> <tr> <td>2.</td> <td>Building</td> <td>200.00</td> <td>100.00</td> <td>300.00</td> </tr> <tr> <td>3.</td> <td>Machinery</td> <td>675.25</td> <td>1774.00</td> <td>2449.25</td> </tr> <tr> <td>4.</td> <td>Others</td> <td>40.00</td> <td>20.00</td> <td>60.00</td> </tr> <tr> <td>5.</td> <td>Total</td> <td>965.25</td> <td>1894.00</td> <td>2859.25</td> </tr> </tbody> </table>				Sr No.	Description	Existing Cost (Rs. in Lacs)	Proposed Cost (Rs. in Lacs)	Total cost (Rs. in Lacs)	1.	Land	50.00	Nil	50.00	2.	Building	200.00	100.00	300.00	3.	Machinery	675.25	1774.00	2449.25	4.	Others	40.00	20.00	60.00	5.	Total	965.25	1894.00	2859.25
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5.	Total	965.25	1894.00	2859.25																															
10.	Amount of EC Processing Fee deposited by NEFT/DD (Rs. In Lacs)	25% of the total project cost i.e., Fee amount of Rs. 71,482/- has been submitted through NEFT vide UTR no.- 0319220100000 dated 09.04.2021 and rest 75% of total project i.e., Rs.2,14,443/- has been submitted through NEFT vide UTR no.- PUNBR52022020819231839 dated on 07/02/2022 as verified by the supporting staff SEIAA.																																	
11.	Details of technology proposed for control of emissions & effluents generated from project	Sr. No.	Details of proposed APCD/STP/ETP /ZLD/ Continuous online monitoring system	Technology to be adopted by new unit/After expansion	Capacity of proposed technology																														
		1	APCD	Spark arrester followed by Pulse jet bag filter with Offline cleaning technology	--																														
		2	STP	MBBR technology	16 KLD																														
12.	Plot Area Details																																		
	S.no.	Particulars	Sqm																																
	1.	STP Area	31.49																																
	2.	Passages area	2436.84																																
	3.	SUB Station Unit area	895.21																																
	4.	New office Cum lab area	481.88																																
	5.	Rolling Shed area	5869.42																																
	6.	Loading-Unloading shed area	3645.88																																
	7.	Steel melting shop (Furnace and CCM unit)	4936																																

	8.	Vehicle parking area	389.35
	9.	Chimney area	690.26
	10.	R.H.F. Chimney area	1131.37
	11.	Sludge Area	21.64
	12.	Waste Oil Room	21.64
	13.	Tube-well-1	20.90
	14.	Tube-well-2	20.90
	15.	Open area	1051.57
	16.	Labour room	681.44
	17.	Canteen area	194.63
	18.	H. R. office area	158.58
	19.	Raw water and CCM spray area	688.03
	20.	Existing lab area	42.08
	21.	Existing pump house	65.59
	Sum of all particulars		23474.70
	Green area (33% of total area)		11728.27
	Total area		35203.0
13.	a. Type of project land as per master plan (Industrial/Agriculture/Any other), b. If non-industrial land, then the details of Land Use Certificate / permissibility Certificate from Competent Authority (DTP/CTP) intimating land use pattern of the project site as per proposals of Master Plan of the area. (Submitted/Not Submitted)	<p>The industry is an existing unit and proposed to carry out the expansion in its existing premises of land area of 35203 sqm. The industry has already obtained Land Use Classification issued by District Town Planner, Jalandhar vide its letter no. 1722 DTP (J)/CLU 1 dated 25.06.2010, wherein it has been mentioned that the site of the industry falls outside the Local planning Area Jalandhar (2009-31) and industry does not fall in any notified area.</p> <p>As per the status report furnished by Punjab Pollution Control Board site of the project meets with the general siting criteria.</p>	
14.	Details of valid consent to operate under Air & Water Act	<p>The existing industry has obtained Consent to Operate under Water Act 1974 & Air Act 1981 for the manufacturing of Ingots @ 40 TPD and Flat Round @ 70 TPD as per the following details: CTOA/Varied/JAL/2018/8052834, Date of expiry: 30/09/2023. CTOW/Varied/JAL/2018/8053274, Date of expiry: 30/09/2023</p>	

15.	ToR compliance report (Submitted/ not submitted)	Submitted.			
16.	Compliance report of public hearing proceedings (Action Taken) submitted or not submitted	Submitted			
17.	Whether any litigation pending against the project or any direction/order passed by SPCB/ Court of Law against the project, if so, details there of shall also be included.	No			
18.	Raw material details:				
	Sr. No.	Raw Materials	Existing (TPA)	Proposed (TPA)	Total (TPA)
	1.	MS Scrap, CI, Sponge Iron, Ferro Alloys	15,400	1,81,800	1,97,200
19.	Production Capacity details:				
	Product Name	Existing (TPA)	Proposed (TPA)	Total (TPA)	
	Steel Billets/ Ingots	14,000	1,67,300	1,81,300	
	Rolled/Flats Products	24,500	1,43,500	1,68,000	
20.	Details of major productive machinery/plant:				
	S. no.	Particulars	Existing	Proposed	Total
	1.	Induction Furnace	1X4 TPH (to be replaced)	1X7 TPH and 2X15 TPH	1X7 TPH and 2X15 TPH
	2.	CCM	Nil	01 no.	01 no.
	3.	Rolling Mill	1X10 TPH	1X20 TPH	1X10 TPH & 1X20 TPH
	4.	Ladle Refining Furnace (LRF)	NIL	1X20 TPH	1X20 TPH
	5.	Vaccum Degassing (VD)	NIL	1 No.	1 No.
21.	Details of Emissions (After expansion)				
	AFTER EXPANSION				

Sr. No.	Source of emission	Capacity	Stack height (m)	APCD	Motor Capacity of ID Fan
1.	Induction Furnace	1X7 TPH	30m from ground level.	Spark arrester followed by pulse jet bag filter house with Offline Technology having 320 bags of sizes 150 mm dia and 3600 mm in Height	ID fan of 40,000 m ³ /hr capacity attached with 90 kw electric motor
2.	Induction Furnace	2X15 TPH		Spark arrester followed by pulse jet bag filter house with Offline Technology having 1014 bags of sizes 150 mm dia and 4250 mm in Height	ID fan of 1,20,000 m ³ /hr capacity attached with 250 kw electric motor
3.	LRF with VD	20 TPH		Spark arrester followed by pulse jet bag filter house with Offline Technology having 169 bags of sizes 150 mm dia and 4250 mm in length	ID fan of 33000 m ³ /hr capacity attached with 75 HP electric motor
4.	D.G. Set	1X500 kVA	4.5 m above roof level	---	-
22.	Hazardous/Non-Hazardous Waste Generation details & their storage, utilization and its disposal. Copy of Agreement clearly mentioning the Quantity				
	Details	Unit	Waste Category	Total Quantity	Disposal method
	Used Oil	Kl/annum	5.1	0.03	Reused as Lubricant
	APCD dust	TPD	35.1	1.4	Agreement executed with M/s Madhav KRG Ltd. vide letter dated 11.03.2022.
23.	Solid Waste generation and its mode of disposal:				

	Details	Unit	Total Quantity	Disposal method	Attach copy of agreement
	Slag	TPD	32.0	The slag generated shall be given to Brick Kilns	Agreement executed with M/s Aggarwal Brick Supply Co. on 31.01.2022.
24.	Waste water generation & its disposal Arrangement in Operation Phase:				
	Details	Unit	Qty. of Waste water.	Technology for treatment	Ultimate Disposal
	Industrial Effluent	KLD	Nil	Nil	Nil
	Domestic effluent	KLD	8.8	STP	Reuse
	(Blow down)	KLD	5.2		
25.	Breakup of Water Requirements & its source in Operation Phase:	Sources of water:			
		S. No.	Purposes	Source of water	
		1.	Domestic	Ground water	
		2.	Make-up water demand for cooling	Treated water	
		4.	Green area water demand	Treated water	
		*Permission for abstraction of 71 KLD of ground water has been obtained from PWRDA.			
26.	Water balance chart for Summer, Rainy and Winter seasons as under: Submitted.				
	Description	Existing (KLD)	Proposed (KLD)	Total (KLD)	
	Domestic	6.5	4.5	11	
	Cooling (makeup water)	20	40	60	
	Total	26.5 KLD	44.5 KLD	71 KLD	
	Green area water demand				
	Summer (KLD)	Winter (KLD)		Rainy (KLD)	
	65	21		6.0	
27.	Rain Water Harvesting proposal (within/outside premises) along with NOC from concerned village Sarpanch (Submitted/Not Submitted)	<p>Outside: The industrial unit has adopted one village pond of area 1.5 acre for carrying out rain water harvesting at Village Khingra Choe, Tehsil-Bhogpur, District-Jalandhar, Punjab. The total ground water recharge potential shall be 43705.44 KL/annum. A copy of NOC obtained from Sarpanch of the said village submitted.</p> <p>Inside: - A tank of 17 KLD is proposed for inside rain water harvesting using roof top of the project site.</p>			

28.	Block wise details of no. of trees to be planted in proposed greenbelt area (1500 Trees to be planted @ 10000 Sqm area):	<p>Area allocation for green belt: 33.31% i.e., 11728.27 m² of total area (35203.0 m²) as per MoEF&CC stipulated norms will be developed as the green belt. A total of 1758 trees needs to be planted. Out of which 758 trees have already been planted. Thus; 1000 trees need to be planted more which will be done in phase wise manner.</p> <p>Phase I (up to June 2022) – 400 trees will be planted Phase II (up to June 2023)- 400 trees will be planted. Phase III (up to June 2024)- 200 trees will be planted.</p> <table border="1" data-bbox="688 527 1482 926"> <thead> <tr> <th>Sr. no.</th> <th>Type of species</th> <th>No. of tress</th> <th>Per unit cost</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Pilkin</td> <td>200</td> <td>1000</td> </tr> <tr> <td>2.</td> <td>Kachnar</td> <td>200</td> <td>1000</td> </tr> <tr> <td>3.</td> <td>Goolar</td> <td>100</td> <td>1000</td> </tr> <tr> <td>4.</td> <td>Gulmohar</td> <td>200</td> <td>1000</td> </tr> <tr> <td>5.</td> <td>Kaner</td> <td>200</td> <td>1000</td> </tr> <tr> <td>6.</td> <td>Jamun</td> <td>50</td> <td>1000</td> </tr> <tr> <td>7.</td> <td>Silver oak</td> <td>50</td> <td>1000</td> </tr> <tr> <td colspan="2">Total</td> <td>1000</td> <td></td> </tr> </tbody> </table> <p>➤ Selection of plant species: Existing tree species are Pilkin, Kachnar, Kaner, Gulmohar, Goolar, Arjun, Baheda, Simbal, Banyan, Peepal, Drek, Silver Oak will be planted.</p> <p>➤ Action plan & estimated budgetary allocation for proposed green belt development:</p> <p>Rs. 10. Lakhs under EMP cost.</p>	Sr. no.	Type of species	No. of tress	Per unit cost	1.	Pilkin	200	1000	2.	Kachnar	200	1000	3.	Goolar	100	1000	4.	Gulmohar	200	1000	5.	Kaner	200	1000	6.	Jamun	50	1000	7.	Silver oak	50	1000	Total		1000	
Sr. no.	Type of species	No. of tress	Per unit cost																																			
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Total		1000																																				
29.	<p>a. Energy requirements & savings:</p> <p>b. Energy saving measures to be adopted within industry:</p>	<p>a. The details of the energy are given below:</p> <table border="1" data-bbox="688 1371 1482 1612"> <thead> <tr> <th>Sr. No</th> <th>Description</th> <th>Unit</th> <th>Existing</th> <th>Proposed</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Power load</td> <td>MW</td> <td>4.0</td> <td>7.0</td> <td>11.0</td> </tr> <tr> <td>2.</td> <td>D.G. Set</td> <td>KVA</td> <td>1x225</td> <td>1X500</td> <td>1x500</td> </tr> </tbody> </table> <p>Indicate the Energy saving measures like use of solar energy etc.</p> <p>b. Saving: By using LEDs with tube lights = 500 KW By adopting solar energy for outer Lighting (100%) = 500 KW TOTAL = 1000 KW Percentage (1000/11,000X100) = 9 %</p>	Sr. No	Description	Unit	Existing	Proposed	Total	1.	Power load	MW	4.0	7.0	11.0	2.	D.G. Set	KVA	1x225	1X500	1x500																		
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1.	Power load	MW	4.0	7.0	11.0																																	
2.	D.G. Set	KVA	1x225	1X500	1x500																																	

30.	<p>a. EMP Budget details</p> <p>b. Details of Environment Management Cell (EMC) responsible for implementation of EMP</p>	a. EMP budget details:			
		S. No	Title	Capital Cost Rs. Lakh	Recurring Cost Rs. Lakh
		1.	Pollution Control during construction stage	7.0	---
		2.	Air Pollution Control (Installation of APCD)	180	50
		3.	Water pollution Control (installation of STP @ 16 KLD)	10.0	40
		4.	Green Belt development	10	10 (for three years)
		5.	Noise Pollution Control	1.5	2.0
		6.	Solid/ Hazardous Waste Management	5.0	0.5
		7.	Environment Monitoring and Management	5.0	4.0
		8.	Occupational Health, Safety and Risk Management	2.0	5.0
		9.	CER activities	30	05
		10.	Miscellaneous	10.0	---
		TOTAL		260.5 Lakh	116.5 Lakhs
		<p>b. A duly constituted EMC comprises the following:</p> <ol style="list-style-type: none"> 1. Owner/ Director 2. GM (Works) 3. Environment Consultant 			
31.	Issues raised during Public Hearing				
Sr. No.	Name of the person	Question raised by the public	Answer given by the consultant	Action plan	

1.	Sh. Rajiv Kumar, Village Khingra Choe, Bhogpur, Jalandhar.	What arrangements will be made by the industry to handle the hazardous substances that will be released after the commencement of this project.	The Environmental Consultant replied that the firm would install a Pulse Jet Bag Filter House as APCD, which would release minimum hazardous substances which would be properly handled by the industry with an Environmentally Sound Manner and finally it will be sent to TSDF site/offtake agreement.	The H.W. comprising APCD dust (air cleaning residue) and the used oil from D.G. set is being collected separately in Polyethene Bags, Ms drums, and stored in Pucca and covered impervious flooring. The same is being disposed of to TDSF site/H. W processors and approved recyclers respectively. Budgetary allocation: 5.0 Lakhs Time line: Membership of TSDF/offtake agreement with approval of H.W. processors has already been made.
2.	Sh. Kulwant Singh, Village- Khingra Choe, Bhogpur, Jalandhar.	With the launch of this project and its inception, the ground water level will not go down?	The project has already received approval from the concerned department for extraction of ground water by the proponent and this project will use very little water and will only extract water from the ground for cooling and domestic use.	Against the annual water requirement of 24,850 KI/annum, the industry has obtained NOC from the panchayat of village Khingra Choe, Tehsil Bhogpur, Dist.- Jalandar, state- Punjab for rain water harvesting in the village pond Budgetary allocation: 5 Lakh Time line: The task will be completed within one year of grant of EC.
3.	Sh. Sukhminder	With the launch of this project and its	The project has already received	As no water is used in the process, no waste

	Singh (Sarpanch) Village- Khingra Choe, Bhogpur, Jalandhar	inception, the ground water will not be polluted and disturbed the underground water table.	approval from the concerned department for extraction of ground water by the proponent and this project will use very little water and will only extract water from the ground for cooling and domestic use and some of this water will be released after domestic use will be treated through STP and the treated domestic water will be used for onto land for plantation.	water is generated, thereby no pollution of ground water. The domestic waste water after treatment in STP will be used for plantation with in the premises. Budgetary allocation: 10.0 lakhs Time Line: within 6 months after the grant of EC
--	--	---	--	---

The Committee observed that the Project Proponent has proposed to spend Rs. 30 lacs to carry out the CER activities. However, the details of activities to be undertaken under CER has not been provided. The Committee asked the Project Proponent to provide the details of these CER activities in the Environment Management Plan. The Project Proponent informed that rejuvenation of village pond namely Kingra Choe at a cost of Rs. 20 Lacs and tree plantation in the open area of this village at a cost of Rs. 10 Lacs are proposed to be carried out.

After deliberations, SEAC decided to award '**Silver Grading**' to the project proposal under category B1, Activity 3 (a) and to forward the application to SEIAA with the recommendations to grant Environmental Clearance for expansion of steel Billets/Ingots from 14,000 TPA to 1,81,300 TPA and Rolled/Flats from 24,500 TPA to 1,68,000 TPA by replacing existing 4 TPH induction furnaces with 7 TPH induction furnace and to install additional 2 no. induction furnaces of capacity 15 TPH each, Ladle Refining furnace (LRF) of 20 TPH capacity, Vacuum Degassing (VD), Concast and 1 no. Rolling Mill of capacity 20 TPH at Village Khingra Choe, Tehsil Bhogpur, District Jalandhar, Punjab by M/s K.J. International, as per the details mentioned in the application proposal & subsequent presentation /clarifications made by the project proponent and his consultant subject to the following conditions and special condition as under: -

Special Conditions:

- i. The Project Proponent shall develop green belt in 33% of the total land area with native tree species (having canopy type structure and especially trees, and not grass) before the

completion of the project. The greenbelt shall inter alia cover the entire periphery of the unit. The canopy trees shall also be planted around the parking area to provide shade to the parked vehicles.

- ii. The project proponent shall plant tall saplings having height not less than 6 ft. The proponent shall make adequate provision of funds for raising the plantation and subsequent maintenance for three years in the Environment Management Plan.
- iii. The project proponent shall submit the progress of developing the green belt in the six-monthly compliance report.
- iv. The Project Proponent shall install online monitoring system at inlet as well as at the outlet of each APCD for monitoring SPM.

I. Statutory compliance

- i. The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.
- ii. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
- iii. The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site Specific Conservation Plan/ Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report (in case of the presence of schedule-I species in the study area).
- iv. The project proponent shall obtain Consent to Establish/ Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned Punjab Pollution Control Board.
- v. The project proponent shall obtain the necessary permission from the Central Ground Water Authority/competent authority concerned, in case of withdrawal of groundwater and also in case of use of surface water required for the project. In case of non-grant of permission by CGWA for ground water abstraction, the industry shall make alternative arrangements by using surface water or treated city sewage effluent after obtaining permission from the competent authority.
- vi. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.
- vii. The project proponent shall comply with 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.
- viii. The project proponent shall comply with the CLU conditions imposed by the competent authority, if any.

II. Air quality monitoring and preservation

- i. The project proponent shall install 24x7 continuous emission monitoring system at the inlet as well as at the outlet (stack) of each APCD to monitor the SPM concentration with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R 277 (E) dated 31st March, 2012 (applicable to IF/EAF) as amended from time to time; S.O. 3305 (E) dated 7th December, 2015 (Thermal Power Plants) as amended from time to time) and connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
 - ii. The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through laboratories recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
 - iii. The project proponent shall install a system to carry out Manual Ambient Air Quality monitoring for parameters relevant to the main pollutants released (e.g. PM₁₀ and PM_{2.5} in reference to PM emission, and SO₂ and NO_x in reference to SO₂ and NO_x emissions) within and outside the plant area (at least at four locations one within and three outside the plant area at an angle of 120° each), covering upwind and downwind directions.
 - iv. The project proponent shall submit monthly summary report of continuous stack emission and air quality monitoring and results of manual stack monitoring and manual monitoring of air quality/ fugitive emissions to the Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.
 - v. Appropriate Air Pollution Control (APC) system shall be provided for all the dust-generating points including fugitive dust from all vulnerable sources.
 - vi. The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.
 - vii. Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, etc. regularly.
 - viii. Recycle and reuse of iron ore fines, coal and coke fines, lime fines and such other fines collected in the pollution control devices and vacuum cleaning devices in the process after briquetting/ agglomeration should be ensured.
 - ix. The project proponent shall use leak-proof trucks/dumpers carrying coal and other raw materials and cover them with tarpaulin.
 - x. The project proponent shall provide covered sheds for raw materials like scrap and sponge iron, lump ore, coke, coal, etc.
 - xi. The project proponent shall provide primary and secondary fume extraction system at all melting furnaces.
 - xii. Design and implementation of the ventilation system for adequate air changes as per the ACGIH document for all tunnels, motor houses, Oil Cellars should be ensured.
- III. Water quality monitoring and preservation**

- i. The project proponent shall monitor regularly ground water quality at least twice a year (pre and post-monsoon) at sufficient numbers of piezometers/ sampling wells in the plant and adjacent areas through labs recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories.
- ii. Garland drains and collection pits shall be provided for each stock pile to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run off.
- iii. The project proponent shall practice rainwater harvesting to the maximum possible extent. For this, a pond at village- Khingra Choe having recharge potential of volume @ 53,418 m³ shall be adopted to recharge the water @ 49,700 m³/annum. As an additional safety measure, the stream carrying waste water of the village shall be diverted in one corner of Phytoid plants trench (designed based on the technology developed by CSIR-NEERI's) divided into different parts, the overflow of each chamber shall be allowed to enter into another chamber which will ultimately lead to the purification of water and collected into the pond to avoid any contamination of ground water aquifer. Pond water will percolate through natural strata (without injection) to augment the ground water and remaining water shall be used for irrigation purposes by pumping method in the nearby fields.
- iv. The project proponent shall make efforts to minimize water consumption in the steel plant by segregation of used water, practicing cascade use and by recycling treated water.

IV. Noise monitoring and prevention

- i. Noise level survey shall be carried as per the prescribed guidelines and the report in this regard shall be submitted to the Regional Officer of the Ministry as a part of six-monthly compliance report.
- ii. The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.

V. Energy Conservation measures

- i. The project proponent shall practice hot charging of slabs and billets/blooms as far as possible.
- ii. The project proponent shall provide solar power generation on rooftops of buildings, solar light system for all common areas, street lights, parking around project area and maintain the same regularly.
- iii. The project proponent shall provide the for LED lights in their offices and residential areas.
- iv. The Project Proponent shall practice hot charging of slabs and billets/blooms as far as possible.

VI. Waste management

- i. Used refractories shall be recycled as far as possible.

- ii. 100% utilization of fly ash shall be ensured. All the fly ash shall be provided to cement and brick manufacturers for further utilization and Memorandum of Understanding in this regard shall be submitted to the Ministry's Regional Office.
- iii. The waste oil, grease and other hazardous waste shall be disposed of as per the Hazardous & Other waste (Management & Transboundary Movement) Rules, 2016.
- iv. Kitchen waste shall be composted or converted to biogas for further use.

VII. Green Belt

- i. Green belt shall be developed in an area of 10831.84 Sqm (equal to 33% of the plant area) with native tree species in accordance with SEIAA guidelines. Total 1000 tall saplings (minimum 6 feet height) of indigenous species such as Pilkhan, Kadam, Kusum, Semul, Kaner, Chakrassia, Neem etc will be planted.

VIII. Public hearing and Human health issues

- i. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
- ii. The project proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms of Factory Act.
- iii. 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 and records maintained as per the Factories Act.
- v. The project proponent shall carry out the activities apart from CER activities and spent an amount as commuted during the public hearing as per the public hearing action plan.

IX. Environment Management Plan

- i. 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 to all / 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.
- ii. 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 report to the head of the organization.

- iii. Action plan for implementing EMP and environmental conditions along with 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 account and will not be diverted for any other purpose. The project proponent shall spend a minimum amount of Rs 260.5 Lakhs towards the capital cost and Rs 116.5 Lakhs/annum towards recurring cost including the environmental monitoring cost for the implementation of EMP as proposed in EMP plan as under:

Sr. No.	Environmental protection measures	Capital cost (Rs. in lakhs)	Recurring cost (Rs. in lakhs/ year)
1.	Pollution Control during construction stage	7.0	---
2.	Air Pollution Control (Installation of APCD)	180	50.0
3.	Water pollution Control (installation of STP @ 16 KLD)	10.0	40.0
4.	Green Belt development	10	10 (for three years)
5.	Noise Pollution Control	1.5	2.0
6.	Solid/ Hazardous Waste Management	5.0	0.5
7.	Environment Monitoring and Management	5.0	4.0
8.	Occupational Health, Safety and Risk Management	2.0	5.0
9.	CER activities	30.0	5.0
10.	Miscellaneous	10.0	---
Total		260.5	116.5

CER Activities:

As proposed, project proponent shall spend amount of Rs. 30 lacs under CER activities as under:

Sr. No.	Activities	Annual Expenditure (in lakhs)
1.	Rejuvenation of Village Pond namely Kingra Choe	Rs 20 Lakhs
2.	Tree plantation in the open area in the nearby village- Khingra Choe	Rs. 10 Lakhs

Total	30
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- iv. Year-wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six-Monthly Compliance Report along with the Six-Monthly Compliance Report.
- v. Self-environmental audit shall be conducted annually. Every three years third-party environmental audit shall be carried out.
- vi. All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the plants shall be implemented.

X. 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.

XI. Miscellaneous

- i. The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition, this shall also be displayed in the project proponent's website permanently.
- ii. 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.
- iii. 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.
- iv. The project proponent shall monitor the criteria pollutants level namely; PM₁₀, SO₂, NO_x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.
- v. 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.
- vi. 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.
- vii. The project proponent shall inform the Regional Office of the Ministry and PPCB, 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.

- viii. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
- ix. 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 SEAC and SEIAA.
- x. No further expansion or modifications in the project shall be carried out other than those permitted in this EC without prior approval of SEIAA. In case of deviation or alterations in the project proposal from those submitted to the Ministry/SEIAA for clearance, a fresh reference shall be made to the Ministry/SEIAA, as applicable, to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
- xi. The Regional Office, MoEF&CC, Chandigarh, Punjab Pollution Control Board and SEIAA/SEAC members nominated for the purpose shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer(s) entrusted with this monitoring by furnishing the requisite data/ information/monitoring reports..

XIII. Additional Conditions:

- i. The Project Proponent shall develop green belt in 33% of the total land area with native tree species (having canopy type structure and especially trees, and not grass) before the completion of the project. The greenbelt shall inter alia cover the entire periphery of the unit. The canopy trees shall also be planted around the parking area to provide shade to the parked vehicles.
- ii. The project proponent shall plant tall saplings having height not less than 6 ft. The proponent shall make adequate provision of funds for raising the plantation and subsequent maintenance for three years in the Environment Management Plan.
- iii. The project proponent shall submit the progress of developing the green belt in the six-monthly compliance report.
- iv. The Project Proponent shall install online monitoring system at inlet as well as at the outlet of each APCD for monitoring SPM.
- v. The Project Proponent shall submit compliance of the action plan proposed to address the public hearing issues along with the six-monthly compliance report of EC condition on Parivesh portal.

The case was considered by SEIAA in its 203rd meeting held on 29.03.2022 which was attended by the following:

- (i) Sh. Bhupinder Singh, General Manager, M/s K J International.
- (ii) Sh. Sital Singh, EIA Coordinator, M/s Chandigarh Pollution Testing Laboratory, E- 126, Phase-VII, Industrial Area, Mohali.
- (iii) Sh. Sandeep Singh, Environmental Consultant, M/s Chandigarh Pollution Testing Laboratory, E- 126, Phase-VII, Industrial Area, Mohali

Environmental Consultant of the promoter company presented the salient features of the project. A copy of the presentation submitted by the Environmental Consultant was taken on record by the SEIAA.

To a query of SEIAA regarding the proposed APCD, environmental consultant of the promoter company replied that spark arrester followed by pulse jet filter having 99.9% efficiency with offline technology as APCD equipped with side suction hood and 30 m stack height shall be installed to control the air pollution.

To another query regarding the plants species, Environmental Consultant informed that indigenous species like Neem, Drek, Kusum, Semul, Pilkhan, Banyan, Peepal, Amaltas, Arjun, Chakarasia etc. will be planted. Total Rs. 10 lacs have been allocated under the Environmental Management Plan for 1,000 additional trees to be planted within the project premises by the end of monsoon season 2022.

Further, Environmental Consultant clarified the area break-up of the project site as under:

Plot Area Details		
S.no.	Particulars	Sqm
1.	STP Area	31.49
2.	Passages area	2279
3.	SUB Station Unit area	895.21
4.	New office Cum lab area	481.88
5.	Rolling Shed area	5206.93
6.	Loading-Unloading shed area	2995.56
7.	Steel melting shop (Furnace and CCM unit)	4794.35
8.	Vehicle parking area	389.35
9.	Chimney area	690.26
10.	R.H.F. Chimney area	812.90
11.	Sludge Area	21.64
12.	Waste Oil Room	21.64
13.	Tube-well-1	20.90

14.	Tube-well-2	20.90
15.	Open area	1051.57
16.	Labour room	681.44
17.	Canteen area	194.63
18.	H. R. office area	158.58
19.	Raw water and CCM spray area	688.03
20.	Existing lab area	42.08
21.	Existing pump house	65.59
Sum of all particulars		21543.93
Green area (33.45% of total area)		10831.84
Total area		32376

During discussions, the representative of the promoter company agreed to fully comply with all the conditions stipulated by SEAC. The SEIAA observed that the case stands recommended by SEAC and the Committee has awarded 'Silver Grading' to the project proposal. SEIAA looked into the details of the case and was satisfied with the same.

After detailed deliberations, SEIAA decided to accept the recommendations of SEAC and grant Environmental Clearance for establishment of the proposed project entailing capacity expansion of steel Billets/Ingots from 14,000 TPA to 1,81,300 TPA and Rolled/Flats from 24,500 TPA to 1,68,000 TPA by replacing existing 4 TPH induction furnaces with 7 TPH induction furnace and to install additional 2 no. induction furnaces of capacity 15 TPH each, Ladle Refining furnace (LRF) of 20 TPH capacity, Vacuum Degassing (VD), Concast and 1 no. Rolling Mill of capacity 20 TPH at Village Khingra Choe, Tehsil Bhogpur, District Jalandhar, Punjab by M/s K.J. International as per the details mentioned in Form 2, EIA report and subsequent presentation /clarifications made by the project proponent his consultant with proposed measures, conditions as recommended by SEAC, amended and additional condition as under as agreed by the project proponent:-

VII. Amended Green Belt condition:

Green belt shall be developed in an area of 10831.84 Sqm (equal to 33.45% of the total area) with native tree species in accordance with SEIAA guidelines. Out of total 1624 trees, 624 trees have already been planted and remaining 1000 trees of minimum 6 feet height of indigenous species such as Pilkhan, Kadam, Kusum, Semul, Chakrassia, Neem, Drek, Banyan, Peepal, Amaltas, Arjun, etc. will be planted within the project premises by the end of monsoon season 2022.

Additional Condition:

In the event that the project proponent decides to abandon / close the Project at any stage, he shall submit an application in the prescribed form along with requisite documents through Parivesh to SEIAA for surrendering the Environmental Clearance as per the procedure prescribed in OM dated 29.03.2022 issued by the MoEF&CC. The project proponent shall be accountable for adherence/compliance of the EC conditions till such time as the project is

finally closed by SEIAA, based upon the certified closure report of Integrated Regional Offices (IROs) of MoEF&CC, Chandigarh/PPCB.

Additional Condition no's. i), ii), iii), iv) and v) imposed by SEAC

Additional condition no's i), ii), iii), iv) and v) imposed by SEAC be deleted being repetitive in nature.

Item No. 203.05: Application for amendment in Environmental clearance under EIA notification dated 14.09.2006 for installation of 02 no. Induction Furnaces of capacity 10 TPH & 20 TPH in place of 2 no. of 15 TPH induction furnaces each at Village Salani, Amlah Road, Mandi Gobindgarh, District Fatehgarh Sahib, Punjab by M/s Behari Lal Ispat Private Limited (Proposal No. SIA/PB/IND/256646/2022).

Background and Salient features of the case are as under:

The industry namely “M/s Behari Lal Ispat Pvt. Ltd.” was accorded Environmental Clearance (EC) vide letter number SEIAA/MS/2021/3752 dated 07.04.2021 for installation of 02 no. Induction Furnaces of 15 TPH capacity each by replacement of existing Induction Furnace of 7TPH capacity.

The industry vide letter dated 11.02.2022 informed that after discussion carried out with the leading suppliers of the induction furnace and to meet the market demand, it has been proposed to install 2 no. Induction furnaces of 10TPH & 20TPH capacities instead of 2 no. of 15 TPH each. The proposed configuration of the furnace would facilitate the unit to produce the quantity of products required i.e. if lesser quantity of product of one kind is to be produced, then preference will be given to operate 10 TPH capacity furnace, otherwise both the furnaces will be operated simultaneously.

The Project Proponent has undertaken that the information given in the application is true to the best of his knowledge and belief and no facts have been concealed thereof. Further, he is aware that in case any information submitted is found to be false or misleading at any stage, the project will be rejected and clearance given, if any to the project will be revoked at their risk and cost.

By carrying out the proposed amendment, the production capacity of steel ingots/billets/steel casting / steel rolls will remain the same as 1,29,600 TPA for which the EC has been obtained. The detail of other machinery such as LRF, vacuum Degasser, Concast and heat treatment furnace will remain the same for which EC has been obtained. The total project cost will remain the same as Rs. 19.75Crores.

Amendment Details are: -

Sr. No.	Description	As per EC	Proposed Amendment	Total
1.	Induction Furnace	2X15TPH	1X10TPH, 1X20TPH	1X10TPH, 1X20TPH
2.	L.R.F, VD	LRF-01No. VD-01 No.	No change	LRF-01No. VD-01 No.
3.	Concast Machine	01 No.	No change	01 No.
4.	Heat treatment Furnace	04 No.	No change	04 No.

5.	D.G. Set	01No.-125 kVA	No change	01No.-125 kVA
6.	Scrap Cutting Machine	01 No.	No change	01 No.
7.	Scrap Bending Press	01 No.	No change	01 No.
8.	Recircularly Cooling Water System & Water Condition	02 no.	No change	02 no.
9.	EOT Crane	02 No.	No change	02 No.
10.	Production	Steel ingots/billets/steel casting / steel rolls will remain the same as 1,29,600 TPA	No Change	Steel ingots/billets/steel casting / steel rolls will remain the same as 1,29,600 TPA
11.	Land area	48922m ²	No Change	48922m ²

1.0 Deliberations during 216th meeting of SEAC held on 14.03.2022.

The meeting was attended by the following:

1. Sh. Jagjit Singh, General Manager, M/s Behari Lal Ispat Private Limited.
2. Sh. Sital Singh, EIA Coordinator, M/s Chandigarh Pollution Testing Laboratory, E- 126, Phase-VII, Industrial Area, Mohali.
3. Sh. Sandeep Singh, Consultant, M/s Chandigarh Pollution Testing Laboratory, E- 126, Phase-VII, Industrial Area, Mohali.

SEAC allowed the Environmental Consultant of the Project Proponent to present the salient features of the project. He, thereafter, presented the case as under:

Sr. no.	Name of Project	M/s. Behari Lal Ispat Pvt. Ltd,
1.	Type of Project	Steel Manufacturing Unit
2.	Location	Village-Salani, Amlah Road, Mandi Gobindgarh, Fatehgarh Sahib, Punjab
3.	Product	Steel Ingots/ Billets, Steel Castings, Steel Roll
4.	Type of Furnace	
5.	Existing	7TPH to be replaced, 2 Heat Treatment furnaces
6.	Proposed	1X10TPH & 1X20 TPH Induction furnace & VD, LRF & Concast, 2 Heat Treatment furnaces

7.	Product & Bye Product	Existing	Additional	After Expansion
8.	Steel Ingot/ Billets, Steel Castings, Steel Roll	29,520	1,00,080	1,29,600
9.	Cost of the Project	Existing – Rs 9.75 Crore Proposed- Rs 10.0 Crore Total- Rs 19.75 Crore		
10.	Land			
11.	Existing	8.18 Acres		
12.	Additional	3.90 Acres		
13.	Total	12.08 Acres		
14.	Power Requirement			
15.	Existing	4000 KWA		
16.	Proposed	15000 KWA		
17.	Total	19000 KWA		
18.	Source of power	P.S.P.C.L, Punjab		
19.	Source of Water Supply	Ground water Existing Tube- well		
20.	Consumption of Water (KLD)			
21.		EXISTING	PROPOSED	TOTAL
22.	Domestic	5.0 KLD	8.5 KLD	13.5 KLD
23.	Cooling	2.0 KLD	40.0 KLD	42.0 KLD
24.	Total	7.0 KLD	48.5 KLD	55.5 KLD
25.	Wastewater Quantity	Domestic = 10.8 KLD Cooling = Recirculation		
26.	Wastewater treatment	Through STP of 25 KLD		
27.	Air Pollution Control	Spark arrestor followed by twin cyclone followed by bag house		
28.	Solid Waste	Slag from furnace approx. 21.34 TPD		
29.	Hazardous Waste	Hazardous waste generated (0.02kl/annum) from DG sets in the form of used oil is being re-used as lubricants within the industry and dust after expansion (280TPA) recovered by bag filter is also covered under hazardous waste and sent to TSDF site for final disposal.		

After deliberations, SEAC decided to forward the case to SEIAA with the recommendation to grant amendment in Environmental Clearance for installation of 02 no. Induction Furnaces of capacity 10 TPH & 20 TPH respectively in place of 2 no. induction furnaces of 15 TPH capacity each at Village Salani, Amloh Road, Mandi Gobindgarh, District Fatehgarh Sahib, Punjab by M/s Behari Lal Ispat Private Limited.

2.0 Deliberations during 203rd meeting of SEIAA held on 29.03.2022.

The case was considered by SEIAA in its 203rd meeting held on 29.03.2022 which was attended by the following:

- (i) Sh. Jagjit Singh, General Manager, M/s Behari Lal Ispat Private Limited.
- (ii) Sh. Sital Singh, EIA Coordinator, M/s Chandigarh Pollution Testing Laboratory, E- 126, Phase-VII, Industrial Area, Mohali.
- (iii) Sh. Sandeep Singh, Consultant, M/s Chandigarh Pollution Testing Laboratory, E- 126, Phase-VII, Industrial Area, Mohali.

Environmental consultant presented the details of amendment required in the project. A copy of the presentation was submitted which was taken on record by SEIAA.

To a query by SEIAA as to why amendment is required when the Environmental Clearance to the project was granted as recently as on 07.04.2021, Environmental Consultant replied that there is no change in the production capacity and only the capacity of the induction furnaces has been changed from 2 no. furnaces of 15 TPH capacity each (2 x 15TPH) to 1 no. furnace of 20 TPH capacity (1x 20 TPH) and 1 no. furnace of 10 TPH (1 X 10 TPH) due to following reasons:

- (i) Due to recent technology innovation after grant of EC and after discussion with the leading suppliers of the induction furnaces, the management of the industry has decided to install 2no. Induction furnaces of 10 TPH and 20 TPH capacity respectively instead of 2 furnaces of (each of 15 TPH capacity).
- (ii) The revised configuration of the furnaces would facilitate the unit to produce the quantity of products required i.e. if lesser quantity of product of one kind is to be produced, then preference will be given to operate 10 TPH capacity furnace, otherwise both the furnaces will be operated simultaneously.
- (iii) The new configuration of proposed furnaces shall consume less units of electricity per ton of product produced.

SEIAA observed that only a minor technical amendment was being requested for saving energy and reducing the operational cost of the induction furnaces. As such, SEIAA was satisfied with the reply of the project proponent.

Further, project Proponent/ Environmental Consultant informed that all stipulated conditions of the EC would be fully implemented and requisite 6 monthly compliance reports of conditions of

Environmental Clearance has already been uploaded on the Parivesh portal, which was verified by SEIAA.

After detailed deliberations, SEIAA decided to accept the recommendations of SEAC and amend the Environmental Clearance as proposed by SEAC with additional/amended conditions as under:

Additional Condition:

In the event that the project proponent decides to abandon / close the Project at any stage, he shall submit an application in the prescribed form along with requisite documents through Parivesh to SEIAA for surrendering the Environmental Clearance as per the procedure prescribed in OM dated 29.03.2022 issued by the MoEF&CC. The project proponent shall be accountable for adherence/compliance of the EC conditions till such time as the project is finally closed by SEIAA, based upon the certified closure report of Integrated Regional Offices (IROs) of MoEF&CC, Chandigarh/PPCB.

Amended Condition no. (i) of XIII. of Additional Specific Conditions of earlier granted EC:

The project proponent shall install Side Suction Hood followed by Pulse-jet Bag filter with offline cleaning technology as APCD as per the proposal submitted in the revised Environmental Management Plan. Existing APCD to be upgraded for flow rate @ 36,000 m³/hr to 75,000 m³/hr for 1 no. proposed induction furnace of capacity 10 TPH and separate Air Pollution Control Devices (Pulse jet bag filter with offline cleaning technology) of flow rate @ 1,25,000 m³/hr to be installed for the second proposed Induction Furnace of capacity 15 TPH.

Item No. 203.06: Application for Environmental Clearance under EIA notification dated 14.09.2006 for carrying out the expansion of residential group housing project namely "Patiala Heights" located at Village Taffazalpura, ODR Northern Bye-Pass Road, Tehsil & District Patiala, Punjab, by M/s Om Construction, Patiala (Proposal No. SIA/PB/MIS/256715/2022).

Background and Salient features of the case are as under:

The project proponent was granted Environmental Clearance under EIA notification dated 14.09.2006 vide SEIAA letter no. SEIAA/3702 dated 26.06.2015, for the construction of Group Housing project namely "Patiala Heights" located at Village Taffazalpura, ODR Northern Bye-Pass Road, Tehsil & District Patiala. The said EC was granted for carrying out construction for the group housing project in the land area of 8096.65 sqm having built-up area of 25488 sqm.

The project proponent has submitted an application for Environmental Clearance for carrying out expansion by constructing total No. of 169 flats having the built-up area of 29892 sqm. The project is covered under the provisions of activity 8 (a) and category B2 of the schedule appended with the EIA notification dated 14.09.2006.

The project proponent has submitted the Form 1, conceptual layout plan and additional documents. The Project Proponent has deposited Rs. 8808/- through UTR no. PUNBH22038964935 dated 07.02.2022, as verified by supporting staff SEIAA.

The Project Proponent has undertaken that the information given in the application is true to the best of his knowledge and belief and no facts have been concealed thereof. Further, he is aware that in case any information submitted is found to be false or misleading at any stage, the project will be rejected and clearance given, if any to the project will be revoked at their risk and cost.

Punjab Pollution Control Board was requested vide letter no. 4530 dated 15.07.2021 to furnish the certified compliance report pertaining to the earlier Environmental Clearance granted to the project proponent. Accordingly, Punjab Pollution Control Board vide letter no. 952 dated 02.02.2022 furnished the certified compliance report of the conditions imposed in the earlier Environmental Clearance granted to the Project Proponent.

PPCB vide email dated 07.03.2022 was requested to furnish the latest status of the construction activity carried out at the project site with respect to the expansion proposal. The relevant part of status report is as under:

"The site of the proposed project was visited by the officer of the Board on 09.03.2022 to verify the facts and the point wise reply/ comments of the Board, to the information sought is as under:

Sr. No	Points as desired by EE(SEIAA)	Comments of the Board
1.	Construction status of the proposal	The project proponent has already completed the construction of 66 flats out of 150 flats. The rest of flats are lying incomplete. No construction activity was in progress during the visit.
2.	Status of physical structures within 500 m radius of the site including the status of industries, if any.	During visit, it was found that no air polluting industry including cement plant/ grinding unit/ rice sheller/ saila plant /stone crusher/ screening-cum-washing plant /brick kiln/hot mix plant / CBMWTF/ Poultry farm/ Jaggery Unit exists within a radius of 500 m from the site. One retail outlet (Petrol / HSD) exists within 50 mtr radius from boundary of the proposed site. Further, the Chotti Nadi falls within 100 m from the boundary of the proposed site.
3.	Whether the site meets the prescribed criteria for setting up such projects.	The project proponent has submitted CLU form Department of Town & Country planning, Punjab issued vide memo no. 03 dated 02.01.2015. The site falls on residential land use zone of sector-3 Master Plan, Patiala. As per Zoning regulations of Master Plan Patiala, group housing is permissible in this land use zone.

1.0 Deliberations during 216th meeting of SEAC held on 14.03.2022.

The meeting was attended by the following:

1. Sh. Sital Singh, EIA coordinator, M/s Chandigarh Pollution Testing Laboratory, E- 126, Phase-VII, Industrial Area, Mohali.
2. Mr. Deepak Gupta, Environmental Advisor of Project Proponent.

SEAC allowed the Environmental Consultant of the Project Proponent to present the salient features of the project. He, thereafter, presented the case as under:

Sr. No.	Item	Details
1.	Online Proposal No.	SIA/PB/MIS/256715/2022
2.	Name and Location of the project	"Patiala Heights" located at Village Taffazalpura, ODR Northern Bye-Pass Road, Tehsil & District Patiala, Punjab, by M/s Om Construction, Patiala.

3.	Project/activity covered under item of scheduled to the EIA Notification, 14.09.2006	8 a (Expansion)
4.	Whether the project is in critical polluted area or not.	No
5.	If the project involves diversion of forest land. If yes, a) Extent of the forest land. b) Status of the forest clearance.	NOC obtained from District Forest Officer vide letter No. 10420 dated 20.02.2015, wherein it has been mentioned that no forest land area is involved in the project.
6.	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
7.	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 National Board for Wild Life (NBWL).	No eco-sensitive area lies in 10 km of the project site. NA

		NA																																								
8.	Classification/Land use pattern as per Master Plan	<p>Residential, license issued by Patiala Urban Planning & Development Authority vide memo No. PDA-PTA-A2-2016/1446 dated 02.03.2016, wherein it has been mentioned that license is granted under the Punjab Apartment & Property Regulation Act 1995 to M/s Om Construction, Patiala for developing land for group housing namely Patiala Height at Village Taffazalpura, Patiala in the total land area of 2 acres (8093.7 sqm).</p> <p>Further, the earlier Environmental Clearance for setting up of group housing project in the total land area of 8096.65 sqm has already been obtained by the Project Proponent vide SEIAA letter no. SEIAA/3702 dated 26.06.2015 and the Project Proponent proposes to construct the additional built-up area without increase in the land area.</p>																																								
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	Total	169 Flats & 5 Shops		239769.5 + 81868.69 = 321638 Sqft. (29892 sqm)				
*The above details are as per the conceptual plan.								
12.	Population (when fully operational) Break up of Water Requirements & source in Operation Phase (Summer, Rainy, Winter):							
	No of flats 169 Flats Shops 5	169 flats@ 5 residents each per flat 5 @ 2 person/shop	845 Persons 10 Person					
	Flats Population	845 @ 135 lit./day	114.075 M ³ /day					
	Shops population	10 @ 45 lit./day	0.450 M ³ /day					
	Green Area	1216 Sqm @5.5 ltr/sqm	7 M ³ /day					
	Total Water Requirement		121 M ³ /day					
	Domestic water required		114 M ³ /day					
Total domestic Water Requirement – 114 KLD								
	Sr. No.	Season	Total Water Consumption (KLD)	Wastewater generation (KLD)	Treated Wastewater generation (KLD)	Reuse for Flushing (KLD)	Green Area requirement (KLD)	Into Sewer in KLD
	1.	Summer	114	91	91	38	7	46
	2.	Winter	114	91	91	38	2	51
	3.	Rainy	114	91	91	38	1	52
1. Acknowledgement of the application submitted to PWRDA for abstraction of 76 KLD of ground water submitted. 2. The Project Proponent has provided STP capacity 150 KLD based on MBBR Technology to treat the wastewater of 91 KLD.								
13.	Rain water recharging detail	Rain water will be collected in 3 No. of recharging pits to recharge the rooftop rainwater of buildings after treatment through oil & Grease traps						
14.	Solid waste generation and its disposal	a) 340 kg/day (850x0.4 kg/capita/day) b) Solid wastes will be appropriately segregated (at source. by providing bins) into recyclable, Bio-degradable Components, and non- biodegradable.						
15.	Hazardous Waste & E-Waste	1) Cat 5.1 Qty 50-100ltr/year.						

		Used oil from DG sets will be sold to registered recyclers and E-waste will be disposed of as per the E-waste (Management) Amendment Rules, 2018.																																																
16.	Energy Requirements & Saving	a) 1200 KW from PSPCL. Saving measures: <ul style="list-style-type: none"> • Solar Light 05 No= 7.5 KWHD • Common area (250) lights replaced with LED= 135 KWHD • Total Energy saved/day= 232.5 KWHD 																																																
17.	Details of green belt development shall include following: No. of tree to be planted against the requisite norms.	Trees required = @1 Tree per 80 sqm of plot area = 8096.65 / 80 = 102 trees Proposed Tree = 135 trees																																																
18.	Environment Management Plan along with Budgetary break up phase wise and responsibility to implement	During construction phase Partner will be responsible and during operation phase, Partner Will be responsible for implementation of the EMP. <table border="1" data-bbox="657 919 1507 1850"> <thead> <tr> <th>Sr. no</th> <th>Description</th> <th>Capital Cost (Rs. in Lacs)</th> <th>Recurring cost (Rs. in Lacs)</th> </tr> </thead> <tbody> <tr> <td colspan="4">Construction Phase</td> </tr> <tr> <td>1.</td> <td>Medical Cum First Aid</td> <td>0.50</td> <td>1.0</td> </tr> <tr> <td>2.</td> <td>Toilets for Sanitation System</td> <td>1.5</td> <td>0.70</td> </tr> <tr> <td>3.</td> <td>Wind breaking curtains</td> <td>3.0</td> <td>1.5</td> </tr> <tr> <td>4.</td> <td>Sprinklers for suppression of dust</td> <td>2.0</td> <td>2.0</td> </tr> <tr> <td>5.</td> <td>Sewage Treatment Plant</td> <td>45.0</td> <td>--</td> </tr> <tr> <td>6.</td> <td>Solid Waste Segregation & Disposal</td> <td>18.0</td> <td>--</td> </tr> <tr> <td>7.</td> <td>Green Belt including grass coverage</td> <td>20.0</td> <td>--</td> </tr> <tr> <td>8.</td> <td>RWHP</td> <td>5.0</td> <td>--</td> </tr> <tr> <td>9.</td> <td>Ambient Air Monitoring (Every Month)</td> <td>--</td> <td>3.0</td> </tr> <tr> <td>10.</td> <td>Drinking Water (Every Month)</td> <td>--</td> <td>2.40</td> </tr> </tbody> </table>	Sr. no	Description	Capital Cost (Rs. in Lacs)	Recurring cost (Rs. in Lacs)	Construction Phase				1.	Medical Cum First Aid	0.50	1.0	2.	Toilets for Sanitation System	1.5	0.70	3.	Wind breaking curtains	3.0	1.5	4.	Sprinklers for suppression of dust	2.0	2.0	5.	Sewage Treatment Plant	45.0	--	6.	Solid Waste Segregation & Disposal	18.0	--	7.	Green Belt including grass coverage	20.0	--	8.	RWHP	5.0	--	9.	Ambient Air Monitoring (Every Month)	--	3.0	10.	Drinking Water (Every Month)	--	2.40
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		Total		95.0	11.1
		Operation Phase			
		1.	Sewage Treatment Plant	--	4.5
		2.	Solid Waste segregation & Disposal	--	5.0
		3.	Green Belt including grass coverage	--	10.0
		4.	RWHP	--	1.50
		5.	Ambient Air Monitoring (Every 3 Months)	--	3.0
		6.	Drinking Water (Every Month)	--	2.40
		7.	Noise Level Monitoring (Every 3 Months)	--	0.50
		8.	Treated Effluent Monitoring (6 Months)	--	1.0
		Total		--	27.9

During meeting, the Committee perused the license issued by Patiala Urban Planning & Development Authority, Punjab vide memo No. PDA-PTA-A-2-2016/1446 dated 02.03.2016, issued in the name of M/s Om Construction, for the project "Patiala Heights" at village Taffazalpura, ODR Northern Bye-Pass Road, Tehsil & District Patiala, wherein as per one of the conditions that whenever the estate services like water supply, storm water and sewerage system are laid in the periphery of PDA or any authority, the licensee of the colony will integrate the same with these services at his own expense as per the rule and with the prior permission from the authority. The Committee noted the same.

The Committee also perused the KML of the project and observed that the project site is located at a distance of 5.29 Km from the nearest Wildlife Sanctuary i.e. Bir Moti Bagh for which the eco-sensitive zone of 100 mts has already been notified by the Ministry of Environment Forest and Climate Change, Govt. of India.

The Committee perused the Certified Compliance Report issued by Punjab Pollution Control Board of the previous Environmental Clearance granted to the Project Proponent, which was found satisfactory.

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 the expansion of residential group housing project namely "Patiala Heights" located at Village Taffazalpora, ODR Northern Bye-Pass Road, Tehsil & District Patiala, Punjab, subject to the following special conditions along with other standard conditions: -

Special Conditions:

- i. The Project Proponent shall develop green belt with native tree species (having canopy type structure and especially trees, and not grass) before the completion of the project. The greenbelt shall inter alia cover the entire periphery of the unit provided that the number of trees to be planted should not be less than one tree per 80 sqm of the total project area. The canopy trees shall also be planted around the parking area to provide shade to the parked vehicles.
- ii. The project proponent shall plant tall saplings having height not less than 6 ft. The proponent shall make adequate provision of funds for raising the plantation and subsequent maintenance for three years in the Environment Management Plan.
- iii. The project proponent shall submit the progress of developing the green belt in the six-monthly compliance report.

I. Statutory compliances:

- i) The project proponent shall obtain all necessary clearances/ permissions from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building bye laws.
- ii) The approval of the Competent Authority shall be obtained for structural safety of buildings, 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 is 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 Punjab Pollution Control Board.

- vi) The project proponent shall obtain the necessary permission for abstraction 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 submit the NOC/ land use conformity certificate from Deptt. of Town and Country Planning or other concerned Authority under whose 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 being granted.

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 undertake 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 would be the preferred option. The location of the DG sets may be decided in consultation with Punjab Pollution Control Board.

- v) Construction site shall be adequately barricaded before the construction begins. Dust, smoke and 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 3 m height or 1/3rd of the building height and maximum up to 10 m). 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 and 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 roadside 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 the norms and regulations prescribed under 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 shall be complied with.
- xvi) Roads leading to or at construction site must be paved and blacktopped (i.e., metallic roads should be built and used).
- 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 measures will be notified at the site

III. Water quality monitoring and preservation

- i) The natural drainage system should be maintained for ensuring unrestricted flow of water.
- ii) No construction shall be allowed which obstructs the natural drainage through the site, in 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 far as possible. Minimum cutting and filling should be done.
- iv) The total domestic water requirement for the project will be 114 KL/day, out of which fresh water demand of 76 KL /day shall be met through own tube well. 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 91 KL/day, which will be treated in STP of capacity 150 KL/day to be installed within the project premises. As proposed, treated wastewater available at outlet of STP will be disposed as under: -

Sr. No	Season	Total Water Consumption (KLD)	Wastewater generation (KLD)	Treated Wastewater generation (KLD)	Reuse for Flushing (KLD)	Green Area requirement (KLD)	Into Sewer in KLD
1.	Summer	114	91	91	38	7	46
2.	Winter	114	91	91	38	2	51
3.	Rainy	114	91	91	38	1	52

- 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 designed 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 and SEIAA 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) Dual pipe plumbing shall be installed 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, air conditioning etc.
- xi) Installation of R.O. plants in the project will be discouraged in order to reduce water wastage in form of RO reject. However, in case the requirement of installing RO plant is unavoidable, the rejected stream from the RO shall be separated and shall be utilized by storing the same within the particular component or in a common place in the project premises.
- xii) The project proponent shall also adopt the new/innovating technologies like low water discharging taps (faucet with aerators) /urinals with electronic sensor system /waterless urinals / twin flush cisterns/ sensor-based alarm 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.
- xiii) The project proponent will provide plumbing system for reuse of treated wastewater for flushing/other purposes etc. and will colour code the 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 and 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 and 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 adopting other best practices.
- 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 plot 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, 8 no. rain water recharge pits have been proposed 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 should be 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 and SEIAA along with six monthly Monitoring reports.
- xx) Sewage shall be treated in the STP with tertiary treatment based upon the Ultra Filtration technology. 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 and gardening. No treated water shall be disposed of into the municipal storm water drain.
- xxi) No sewage or untreated effluent would be discharged through storm water drains. Onsite sewage treatment with capacity to treat 100% waste water will 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 / SEIAA before the project is commissioned for operation. Treated waste water shall be reused on-site for landscape, flushing, 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 commercial area 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 noise levels 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 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) At least 30% of the roof top area shall be used for generating Solar power for lighting in the apartments so as 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.

VI. Waste Management

- i) A certificate from the competent authority handling municipal solid waste, 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 should not create any adverse effect on the neighbouring communities and should be safely 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) All non-biodegradable waste shall be handed over to authorized recyclers for which a written tie up must be done with the authorized recyclers.
- v) Any hazardous waste generated during construction phase, shall be disposed of as per applicable rules and norms with necessary approvals of the State Pollution Control Board.
- vi) 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.
- vii) 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.
- viii) Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Rules, 2016.
- ix) Used CFLs and TFLs should be properly collected and disposed of or sent for recycling as per the prevailing guidelines/ rules of the regulatory authority to avoid mercury contamination.

VII. Green Cover

- i) No naturally growing tree should be felled/transplanted 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.
- 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. The project proponent shall ensure planting of 135 trees (@1 tree/80 Sqm of Total land Area) in the project area at the identified location, as per proposal submitted, with plants of native species preferably having broad leaves. The size of the plant thus planted should not be less than 6 ft and each plant shall be protected with a fence and properly maintained. The project proponent shall make

adequate provisions of funds to ensure maintenance of the plants for a further period of three years. The plants shall be protected and maintained by the project proponent or Residents Welfare Association, as the case may be, even after three years. 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 undertaken 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 saplings of the same species for every tree that is cut) shall be done and the newly planted saplings will be maintained for at least 5 years. Green belt development shall be undertaken 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 commercial 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 regulations.
- ii) Vehicles hired for bringing construction material to the site should be in good condition and should have a valid pollution check certificate, conform to applicable air and noise emission standards and should 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 masks.
- ii) For indoor air quality the ventilation provisions as per National Building Code of India should be followed.
- 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. Environment Management Plan

- i) 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.
- ii) 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 report directly to the head of the organization.
- iii) 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 will not be diverted for any other purpose. The project proponent shall spend the minimum amount of Rs. 95.0 Lacs towards the capital cost and Rs. 11.1 Lacs/annum towards recurring cost in the construction phase of the project and Rs. 27.9 lacs as recurring cost in the operation phase including the environmental monitoring cost as per the details given as under:

Sr. no	Description	Capital Cost (Rs. in Lacs)	Recurring cost (Rs. in Lacs)
Construction Phase			
1.	Medical Cum First Aid	0.50	1.0
2.	Toilets for Sanitation System	1.5	0.70
3.	Wind breaking curtains	3.0	1.5
4.	Sprinklers for suppression of dust	2.0	2.0
5.	Sewage Treatment Plant	45.0	--
6.	Solid Waste Segregation & Disposal	18.0	--
7.	Green Belt including grass coverage	20.0	--
8.	RWHP	5.0	--
9.	Ambient Air Monitoring (Every Month)	--	3.0
10.	Drinking Water (Every Month)	--	2.40
11.	Noise Level Monitoring (Every Month)	--	0.50
	Total	95.0	11.1
Operation Phase			
1.	Sewage Treatment Plant	--	4.5
2.	Solid Waste segregation & Disposal	--	5.0
3.	Green Belt including grass coverage	--	10.0
4.	RWHP	--	1.50
5.	Ambient Air Monitoring (Every 3 Months)	--	3.0
6.	Drinking Water (Every Month)	--	2.40
7.	Noise Level Monitoring (Every 3 Months)	--	0.50

8.	Treated Effluent Monitoring (6 Months)	--	1.0
Total		--	27.9

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 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 shall obtain completion and occupancy certificate from the Competent Authority and submit a copy of the same to the SEIAA, Punjab before allowing any occupancy.
- ii) The project proponent shall comply with the conditions of CLU, if obtained.
- iii) The project proponent shall prominently advertise in at least 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 MoEF&CC/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 have to publicly 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 and submit a copy of the same to SEIAA.
- 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 the same on the website of the company.
- viii) The project proponent shall inform the Regional Office as well as SEIAA Punjab, 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 those made to SEIAA / SEAC during their presentation.
- xi) No further expansion or modifications in the project shall be carried out other than those permitted in this EC without prior approval of SEIAA. In case of deviation or alterations in the project proposal from those submitted to the Ministry/SEIAA for clearance, a fresh reference shall be made to the Ministry/SEIAA, as applicable, to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
- xii) The Regional Office, MoEF&CC, Chandigarh, Punjab Pollution Control Board and SEIAA/ SEAC members nominated for the purpose shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer(s) entrusted with this monitoring by furnishing the requisite data/ information/monitoring reports.
- xiii) This Environmental Clearance is granted subject to final outcome of pending related cases in the Hon'ble Supreme Court of India, Hon'ble High Courts, Hon'ble NGT and any other Court of Law as may be applicable to this project.

XIII. Additional Conditions

- i) The Project Proponent shall use water efficient fixtures to reduce water consumption.
- ii) The Project Proponent shall provide treatment by providing ultra-filtration to treat the wastewater up to tertiary level.
- iii) The Project Proponent shall develop green belt with native tree species (having canopy type structure and especially trees, and not grass) before the completion of the project. The greenbelt shall inter alia cover the entire periphery of the unit provided that the number of trees to be planted should not be less than one tree per 80 sqm of the total land area. The canopy trees shall also be planted around the parking area to provide shade to the parked vehicles.
- iv) The project proponent shall plant tall saplings having height not less than 6 ft. The proponent shall make adequate provision of funds for raising the plantation and subsequent maintenance for three years in the Environment Management Plan.
- v) The project proponent shall submit the progress of developing the green belt in the six-monthly compliance report.
- vi) The Project Proponent shall ensure that the natural drainage channels in the project site including streams, drains, choes, creeks, rivulets etc. are not disturbed so that the natural flow of rain water etc is not impeded or disrupted in any manner.

2.0 Deliberations during 203rd meeting of SEIAA held on 29.03.2022.

The case was considered by SEIAA in its 203rd meeting held on 29.03.2022 which was attended by the following:

- (i) Sh. Sanjay Kumar, Project head
- (ii) Sh. Sital Singh, EIA coordinator, M/s Chandigarh Pollution Testing Laboratory, E- 126, Phase-VII, Industrial Area, Mohali.
- (iii) Sh. Sandeep Singh, Environmental Consultant, M/s Chandigarh Pollution Testing Laboratory, E- 126, Phase-VII, Industrial Area, Mohali.

To a query by SEIAA, Environmental Consultant informed that six-monthly compliance report has been uploaded on the Parivesh portal. SEIAA also observed that SEAC has reported satisfactory compliance of the conditions of Environmental Clearance earlier granted to the project. Thereafter, SEIAA allowed the Environmental Consultant to present the salient features of the project and a copy of the presentation submitted by project proponent was taken on record.

To a query by SEIAA, Environmental Consultant of the promoter company informed that total 340 kg/day Solid waste will be generated. Bio-degradable waste and non-biodegradable shall be collected separately. Bio-degradable waste shall be composted by mechanical composter and vermi-composting will also be undertaken for a part of the such bio-degradable waste. Recyclable waste shall be sold to the recyclers and inert waste material will be disposed of in the dumping sites of the area designated by Municipal Corporation as per the Solid Waste Management Rules, 2016.

During discussions, the representative of the promoter company agreed to spend minimum amount of Rs. 105 Lacs towards the capital cost and Rs. 11.1 Lacs/annum towards recurring cost in the construction and operation phase of the project (including the environmental monitoring cost and amount of Rs. 27.9 lacs to be spent on CER activities in the vicinity of the project within 3 years), under the Environmental Management Plan (EMP) of the proposed project as per details provided in Table below:

Sr. no	Description	Capital Cost (Rs. in Lacs)	Recurring cost (Rs. in Lacs)	Recurring cost (Rs. in Lacs)
Construction Phase				Operation Phase
1.	Medical Cum First Aid	0.50	1.0	--
2.	Toilets for Sanitation System	1.5	0.70	--
3.	Wind breaking curtains	3.0	1.5	--
4.	Sprinklers for suppression of dust	2.0	2.0	--
5.	Sewage Treatment Plant	45.0	--	4.5

6.	Solid Waste Segregation & Disposal	18.0	--	5.0
7.	Green Belt including grass coverage	20.0	--	10.0
8.	RWHP	5.0	--	1.50
9.	Ambient Air Monitoring (Every Month)	--	3.0	3.0
10.	Drinking Water (Every Month)	--	2.40	2.40
11.	Noise Level Monitoring (Every Month)	--	0.50	0.50
12.	Treated Effluent Monitoring (at 6 months intervals)	--	--	1.0
13.	CER activities Tree Plantation (1000 No) outside the project premises	10	--	--
	Total	105	11.1	27.9

During discussions, the representative of the promoter company agreed to fully comply with all the conditions proposed by SEAC as also undertake the CER activities of Rs 10 lacs as specified above.

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

After detailed deliberations, SEIAA decided to accept the recommendations of SEAC and grant Environmental Clearance for expansion of residential group housing project namely "Patiala Heights" located at Village Taffazalpura, ODR Northern Bye-Pass Road, Tehsil & District Patiala, Punjab in the total land area of 8096.65 sqm with proposed built-up area of 29892 sqm, as per the details mentioned in the Form 1, 1A, EMP and subsequent presentation /clarifications made by the project proponent and his consultant with proposed measures and subject to conditions proposed by SEAC and additional condition as under:

Amended Condition no iii) of Environmental Management Plan

- iii. 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 the competent authority. The year-wise funds earmarked for environmental protection measures shall be kept in a separate account and will not be diverted for any other purpose. The project proponent shall spend minimum amount of Rs. 105 Lacs towards the capital cost and Rs. 11.1 Lacs/annum towards recurring cost in the construction and operation phase of the project (including the environmental monitoring cost and amount of Rs. 27.9 lacs on to be spent on CER activities in the vicinity of the project within 3 years), under the

Environmental Management Plan (EMP) of the proposed project as per the details provided in Table below:

Sr. no	Description	Capital Cost (Rs. in Lacs)	Recurring cost (Rs. in Lacs)	Recurring cost (Rs. in Lacs)
Construction Phase				Operation Phase
1.	Medical Cum First Aid	0.50	1.0	--
2.	Toilets for Sanitation System	1.5	0.70	--
3.	Wind breaking curtains	3.0	1.5	--
4.	Sprinklers for suppression of dust	2.0	2.0	--
5.	Sewage Treatment Plant	45.0	--	4.5
6.	Solid Waste Segregation & Disposal	18.0	--	5.0
7.	Green Belt including grass coverage	20.0	--	10.0
8.	RWHP	5.0	--	1.50
9.	Ambient Air Monitoring (Every Month)	--	3.0	3.0
10.	Drinking Water (Every Month)	--	2.40	2.40
11.	Noise Level Monitoring (Every Month)	--	0.50	0.50
12.	Treated Effluent Monitoring (at 6 months intervals)	--	--	1.0
13.	CER activities Tree Plantation (1000 No) outside the project premises	10	--	--
Total		105	11.1	27.9

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 properly and legally transferred to the Residents Welfare Association (RWA) 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 Reports.

Additional Condition

In the event that the project proponent decides to abandon / close the Project at any stage, he shall submit an application in the prescribed form along with requisite documents through Parivesh to SEIAA for surrendering the Environmental Clearance as per the procedure prescribed in OM dated 29.03.2022 issued by the MoEF&CC. The project proponent shall be accountable for adherence/compliance of the EC conditions till such time as the project is

finally closed by SEIAA, based upon the certified closure report of Integrated Regional Offices (IROs) of MoEF&CC, Chandigarh/PPCB.

Additional Condition no's. i), ii), iii), iv) and v) imposed by SEAC

Additional condition no's i), ii), iii), iv) and v) imposed by SEAC be deleted being repetitive in nature.

Item No. 203.07: Application for Environmental Clearance for expansion of existing Steel Manufacturing Unit M/s JMK Industries for increasing the production capacity from 29,400 TPA to 2,40,000 TPA of Ingots/Billets, Patra and Pipes located at Village Wazirabad, Sirhind Side, Mandi Gobindgarh, Distt. Fatehgarh Sahib, Punjab (Proposal No. SIA/PB/IND/256882/2022).

Background and Salient features of the case are as under:

The industry has applied for obtaining Environmental Clearance for carrying out expansion of the existing Steel Manufacturing Unit M/s JMK Industries for increasing the production capacity to 2,40,000 TPA of Ingots/Billets, Patra and Pipes located at Village Wazirabad, Sirhind Side, Mandi Gobindgarh, Distt. Fatehgarh Sahib, Punjab by installation of 2 Induction Furnaces of capacity 20 TPH each in addition to existing induction furnace of capacity 7 TPH. The project is covered under Schedule 3(a) & Category 'B1' as per EIA Notification, dated 14.09.2006.

The total cost of the project is Rs 43.56 Crore. The Project Proponent deposited Rs. 435600/- (@ Rs. 10,000/- per Crore of the project cost). The fee deposited at the time of ToR was Rs. 1,13,800/- & remaining fee of Rs. 3,21,800/- has been deposited vide UTR No. IDIBR52022021727070928 dated 17.02.2022, as verified by the supporting staff SEIAA.

The industry was issued Terms of Reference for carrying out EIA study for obtaining Environmental Clearance under EIA notification dated 14.09.2006 vide letter no. SEIAA/MS/2021/4337 dated 25.06.2021.

The industry has submitted Final EIA report after incorporating the compliance of Terms of Reference earlier issued to the industry & compliance of decisions of public hearing and other relevant documents.

PPCB was requested to send the latest construction status report of the project through e-mail on 25.02.2022. Punjab Pollution Control Board vide letter no. 733 dated 07.03.2022 has sent the latest construction status report with details as under:

"In reference to above referred e-mail, it is intimated that site of the industry was visited by the AEE of Regional Office, Fatehgarh sahib on 20/02/2022 and the point wise comments are as under:

Sr.	Information sought	Comments of the Board
1.	Construction status of the proposed project. Please send the clear-cut report as to whether construction/new machinery for the proposed project has been	The industry has not started any construction activity w.r.t proposed project. However, the industry has constructed Industrial shed and foundation work and installation of ERW pipe plant and it has already obtained NOC /CTE (Expansion) vide no. CTE/Exp/FGS/ 2021/15759201 dated

	started/ installed for the project except securing the land.	19/07/2021 valid up to 18/07/2022 for manufacturing of Patra (Rolling Mill) @ 84 MTD or ERW Pipe @ 84 MTD
2.	Status of physical structures within 500 m radius of the site including the status of industries, drain river eco-sensitive structure if any, 3.	<p>The following industries falls within the radius of 500 mtr from the site of the industry:</p> <ol style="list-style-type: none"> 1. Vardhman Adarsh Ispat (P) Ltd, vill. Ambey Majra, Near 220 KVA Grid, Mandi Gobindgarh 2. Surya steel industries, Vill Ambey MAjra G.T. Road, Sirhind Side, Mandi Gobindgarh. 3. Shri Salasar Steel Tubes Pvt. Ltd, Ambey Majra, Mandi Gobindgarh 4. Shri Salasar Steel Structure (P) Ltd., Ambey majra Mandi Gobindgarh 5. Rudra Alloys (P) Ltd. Vill Ambey Majra Mandi Gobindgarh 6. New Power Metals & Alloys, Near Astha Mill Ambey Majra mandi Gobindgarh 7. Mata Alloys Pvt. Ltd. (Punia Alloys) Vill Wazirabad, Ambey Majra Mandi Gobindgarh 8. Kaytx Industries (P) Ltd. Vill Ambey Majra Mandi Gobindgarh 9. Kanha concast, vill Ambey Amjra chattarpura Road, Mandi Gobindgarh 10. Eden steel Alloys vill Mullanpur Ambey majra Road Near Power Grid Mandi Gobindgarh 11. Chandigarh Casting Pvt. Ltd., Vill Ambey Majra G.T. Road Mandi Gobindgarh 12. Bhawani Castings (P) Ltd., Vill. Ambey Majra, Mandi Gobindgarh 13. Arithant Pipes Lessee of M/s Madhav Steel Tubes Earlier Chintpurni Steel tubes Village Wazirabaad, Ambey Majra Mandi Gobindgarh 14. Akshat Alloys. (Keshav Alloys Pvt. Ltd), Mullanpur Road, Vill Ambey Majra. Amndi Gobindgarh 15. Aggarwal Ceramics, vill. Mullanpur, Ambey Majra <p>Also, Sirhind Choe (which finally leads rives Ghaggar is located within the radius of 500 mtr form the site of the industry.</p>
3.	Whether the site is meeting the prescribed criteria for setting up of such type of projects. Please send the clear-cut recommendation.	The industry having latitude and longitude (30.620139 and 76.323458) falls in the industrial area as per the Master Plan of Mandi Gobindgarh. No specific siting guidelines has been framed by the Board for such type of industries as such the site of the industry is suitable for proposed expansion project.”

1.0 Deliberations during 216th meeting of SEAC held on 14.03.2022.

The meeting was attended by the following:

1. Sh. Rakesh Kumar Bansal on behalf of the Project Proponent.
2. Dr. Sandeep Garg and Mrs. Simranjit Kaur, EIA Coordinator, M/s Eco laboratories Pvt. Ltd.

SEAC allowed the Environmental Consultant of the Project Proponent to present the salient features of the project. He, thereafter, presented the case as under:

S. No.	Item No.	Details																									
1.	Name of Project & its location	Environmental Clearance for the expansion of existing Steel Manufacturing Unit M/s JMK Industries for increasing the production capacity from 29,400 TPA to 2,40,000 TPA of Ingots/Billets, Patra and Pipes located at Village Wazirabad, Sirhind Side, Mandi Gobindgarh, Distt. Fatehgarh Sahib, Punjab																									
2.	Category/Activity	Schedule: 3(a): Metallurgical Industries (ferrous & non-ferrous) Category: B-1																									
3.	Whether the project falls in critical polluted area notified by MoEF&CC/ CPCB.	No, the project is not located in critically polluted area as notified by MoEF&CC/ CPCB.																									
4.	a. Total Project Cost b. Total project cost breakup at current price level	<p>a. Total Project Cost is given below: Existing project cost: Rs. 7.50 Crores Proposed: 36.05 Crores After expansion: Rs. 43.56 Crores</p> <p>b. The break-up of the project cost is given as under:</p> <table border="1"> <thead> <tr> <th>S. No.</th> <th>Description</th> <th>Existing cost (Rs. in Lakhs.)</th> <th>Proposed Cost (Rs. in Lakhs)</th> <th>Total cost after expansion (Rs. in Lakhs)</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Land</td> <td>0.50</td> <td>50.00</td> <td>50.50</td> </tr> <tr> <td>2.</td> <td>Building</td> <td>191.02</td> <td>400.00</td> <td>591.02</td> </tr> <tr> <td>3.</td> <td>Plant & Machinery</td> <td>443.20</td> <td>2114.13</td> <td>2557.33</td> </tr> <tr> <td>4.</td> <td>APCD/ STP/ OCMS etc.</td> <td>24.99</td> <td>110.00</td> <td>134.99</td> </tr> </tbody> </table>	S. No.	Description	Existing cost (Rs. in Lakhs.)	Proposed Cost (Rs. in Lakhs)	Total cost after expansion (Rs. in Lakhs)	1.	Land	0.50	50.00	50.50	2.	Building	191.02	400.00	591.02	3.	Plant & Machinery	443.20	2114.13	2557.33	4.	APCD/ STP/ OCMS etc.	24.99	110.00	134.99
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4.	APCD/ STP/ OCMS etc.	24.99	110.00	134.99																							

		5.	Miscellaneous	0.00	535.38	535.38	
		6.	Electrical Equipment Mics.	91.21	395.57	486.78	
		Total		750.92	3605.08	4356.00	
6.	Details of technology proposed for control of emissions & effluents generated from project.	Sr. No.	Details of proposed APCD/STP	Technology		Capacity	
		1.	APCD	Side Suction Hood followed by Pulse Jet Bag Filter		36,000 CMH + 1,10,000 CMH each	
		2.	STP	Based on MBBR technology		10 KLD	
7.	Plot Area Details	Area breakup of the project is given below:					
		S. No.	Description		Area (in sqm.)		
		1.	Existing covered area		2,327.88		
		2.	Proposed covered area		4,202.59		
		3.	Green Area (@ 33.14%)		6,440.52		
		4.	Passage & Parking area		4,219.32		
		5.	Utility areas		2,238.82		
		Total project area				19,429.15 sqm. (or 4.8 acres)	
		*Above said details are as per conceptual plan.					
8.	Type of project land as per master plan	The project falls in Industrial Zone as per Master Plan of Mandi Gobindgarh Industrial zone as per location shown by the Project Proponent in the Master Plan Mandi Gobindgarh. Further, the industry is an existing unit and has already obtained Consent to Operate under the provision of Water Act 1974, for carrying out manufacturing of Ingots/Billets @ 84 TPD, expired on 30.06.2021 and Air Act 1981, which is valid upto 30.09.2024. The industry has also obtained NOC for expansion for carrying out the manufacturing of patra (rolling mill) @ 84 MTD and ERW Pipes @ 84 TPD.					
9.	ToR Compliance Report	Submitted					

10. Compliance Report of Public Hearing Proceedings (Action Taken)				
Sr. No.	Name & address of the person	Detail of query/ statement / information/clarification sought by the person present	Reply of the query/ statement/ information/ clarification given by the project proponent	Action Plan
1.	Sh. Narinder Kumar S/o Sh. Jaspal Raj, Village Wazirabad, Distt. Fatehgarh Sahib.	Whether the industry will hire our vehicles for transportation by doing expansion of factory?	The Environmental Consultant said the expansion of the industry would boost employments and indirectly provide truckers with business of transportation. The industry assured that it would provide employment to the residents of nearby villages on priority basis.	Vehicles will be hired for transportation purpose preferably from local villagers. Also, Employment will be provided to local villagers.
2.	Sh. Savinder Singh S/o Sh. Kartar Singh, Village Wazirabad, Distt. Fatehgarh Sahib.	What employment will be created by expansion of this industry?	The Environmental Consultant said that with the expansion of the industry, 90 more people would be directly employed in the industry and priority will be given to the residents of nearby villages.	Employment will be provided to local villagers after expansion.
3.	Sh. Mahesh Singh S/o Vijay Bahadur, Village Wazirabad, Distt. Fatehgarh Sahib.	What will be the benefit to the village with the expansion of industry?	The Environmental consultant said the expansion of the industry would provide employment to 90 people in addition to the existing 35 employees. With this the number of employees would be 125 and 25 families would be provided quarters within the industry. This will benefit the residents of nearby villages. The partner of the factory Mr. Rakesh Kumar Bansal assured the participants in the public hearing that the residents of nearby villages Wazirabad and Mullanpur would be given employment in the industry on priority basis and free uniforms would be provided to the school children of these villages.	Employment will be provided to local villagers after expansion. Further, Rs. 4 Lakhs will be spent for distribution of School uniform in the Govt. Primary School located in the villages Wazirabad and Mullanpur, after grant of EC.

11.	Whether any litigation pending against the project or any direction/order passed by SPCB/Court of Law against the project, if so, details thereof shall also be included.	No litigation is pending against the project. Undertaking in this regard has been submitted.			
12.	Details of the raw materials given below:				
	S. No.	Raw Materials	Existing	Proposed	Total After Expansion
	1.	Scrap & Ferro Alloys	88 TPD (30,800 TPA)	2,33,200 TPA	2,64,000 TPA
13.	Details of the products given below:				
	S. No.	Product Name	Existing	Proposed	Total after expansion
	1.	Billets/Ingots or Patra or Pipes	29,400 TPA	2,10,600 TPA	2,40,000 TPA
14.	Details of major machinery given below:				
	S. No.	Machinery	Existing	Proposed	After Expansion
	1.	Induction Furnace	1 × 7 TPH	2 × 20 TPH	3 (1 × 7 TPH & 2 × 20 TPH)
	2.	Rolling Mill	1	-	1
	3.	Pipe Plant	1	-	1
16.	Details of emissions after expansion:				
	S. No.	Source	Fuel	APCD	
	1.	Induction Furnace i) 1 × 7 TPH ii) 2 × 20 TPH	Electricity	i) Side Suction Hood followed by Pulse Jet Bag Filter of capacity 36,000 CMH ii) Individual Side Suction Hood followed by Pulse Jet Bag Filter of capacity 1,10,000 CMH each	
	2.	DG Sets (1 × 320 KVA & 1 × 250 KVA)	H.S.D	Canopy	
17.	Hazardous/Non-Hazardous Waste Generation details & their storage, utilization and its disposal. Copy of agreement clearly mentioning the Quantity Hazardous Waste				
	S. No.	Waste category	Existing	Total after expansion	Disposal
	1.	Category 5.1 Used oil	0.020 KLA	0.5 KLA	Used oil will be given to authorized vendor.

	2.	Category 35.1 APCD dust	0.3 TPD	1.8 TPD	Agreement done with M/s Madhav KRG Ltd. for disposal of APCD dust.
Non-Hazardous Waste					
	S. No.	Type of waste	Existing	Total after expansion	Disposal method
	1.	Slag	3 TPD	23 TPD	20% will be used for metal recovery and remaining 80% will be sold to tiles/block manufacturing unit for co-processing. Agreement executed with M/s Krishan Kumar (unit of Interlock tiles) on 28.02.2022 for coprocessing of slag.
18.	Solid Waste Generation and its mode of Disposal				
	S. No.	Type of waste	Existing	Total after expansion	Disposal method
	1.	Domestic Solid waste	11 kg/day	30 kg/day	Disposed of as per Solid Waste
19.	Wastewater generation & its disposal Arrangement in Operation phase:				
	S. No.	Description	Total	Mitigation Measures/ Remarks	
	1.	Domestic wastewater	6.4 KLD	Will be treated in proposed STP of capacity 10 KLD	
	2.	Industrial effluent	Nil	--	
20.	Breakup of Water Requirement & its source in Operation phase:				
	Purpose		Existing water demand (KLD)	Total water demand after expansion (KLD)	
	Make-up water demand for cooling purpose		35	53	
	Domestic water demand		3.5	8	
	Green area demand				
	i) Summer season		4	35	
	ii) Winter season		1	11.5	
	iii) Monsoon season		0.5	3	
	Source		Borewells (2 No.s) Acknowledgment of the application for abstraction of 90 KLD of ground water from PWRDA submitted.		
22.	Rain water utilization proposal during monsoons		Rain water will be collected from rooftop area of the proposed sheds and stored within the project in a storage tank of capacity 10,000 lts. The harvested rain water will be reused within the project premises for horticulture or sprinkling in loading & unloading areas.		
23.	Rain Water Harvesting proposal (within/outside premises) along with NOC		<u>Within project premises:</u> Rain water will be collected from rooftop area of the proposed sheds and stored within the project in a storage tank of capacity 10,000 lts. The harvested rain water will be reused within the project		

	from concerned village Sarpanch	premises for horticulture or sprinkling in loading & unloading areas. <u>Outside project premises:</u> The industrial unit has adopted a pond for artificial rain water recharging outside of project premises located in the Village Mullanpur of Sirhind Block of District Fatehgarh Sahib. NOC has been obtained from Sarpanch of the Village regarding adoption of pond and rain water recharging proposal has been submitted.																																								
24.	Block wise details of no. of trees to be planted in proposed greenbelt area (1500 trees to be planted @ 1000 sqm area): The blockwise green area and no. of trees planted are given below:																																									
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25.	a. Energy requirements & savings. b. Energy saving measures to be adopted within industry:	a. The energy requirement details are given below: <table border="1"> <thead> <tr> <th>Description</th> <th>Unit</th> <th>Existing</th> <th>Proposed</th> <th>After Expansion</th> </tr> </thead> <tbody> <tr> <td>Power load</td> <td>KVA</td> <td>3,995</td> <td>13,005</td> <td>17,000</td> </tr> </tbody> </table> b. <u>Energy Saving measures to be adopted:</u> <ul style="list-style-type: none"> LEDs are being provided in the existing industrial unit. Similarly, after expansion LEDs will be provided in place of CFLs. Energy efficient Induction Furnaces and other machinery will be installed. 	Description	Unit	Existing	Proposed	After Expansion	Power load	KVA	3,995	13,005	17,000																														
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25.	EMP Budget details:	Submitted																																								

The Committee on perusal of environment management plan observed the capital as well as recurring cost of activities such as installation of air pollution control devices, noise pollution control including land scaping & green belt, on lower side and need to be revised. The Project Proponent has submitted revised EMP with details as under:

S. No.	Details	Capital Cost (In Lacs)	Recurring Cost (In Lacs/annum)
1.	Air Pollution Control (Installation of separate APCD and continuous emission monitoring system on both Induction Furnaces)	150	5

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2.	Water Pollution Control (Installation of STP of capacity 10 KLD)	10	6
3.	Noise Pollution Control (Including cost of landscaping & green belt, acoustic enclosure for DG set, provision of ear plugs etc.)	12	10
4.	Solid Waste Management (Management & disposal of domestic solid waste, slag and Hazardous waste)	3	0.5
5.	Environment Monitoring & Management	3	5
6.	Health, Safety & Risk Assessment (Medical check-up, ESI and PPE kit for workers)	2	0.5
7.	Miscellaneous	2	0.5
Total		182	27.5

The Committee further perused the KML file of the project site and observed that the Bir Bhadson Wildlife Sanctuary is at a distance of 13.5 Km from the boundary of the project site.

After detailed deliberations, SEAC decided to award '**Silver Grading**' to the project proposal under category B1, Activity 3 (a) and to forward the application to SEIAA with the recommendations to grant Environmental Clearance for the expansion of existing Steel Manufacturing Unit M/s JMK Industries for increasing the production capacity from 29,400 TPA to 2,40,000 TPA of Ingots/Billets, Patra and Pipes located at Village Wazirabad, Sirhind Side, Mandi Gobindgarh, Distt. Fatehgarh Sahib, Punjab, as per the details mentioned in the application proposal & subsequent presentation /clarifications made by the project proponent and his consultant subject to the following conditions and special condition as under: -

Special Conditions:

- i. The Project Proponent shall develop Green belt in 33% of the total land area with native tree species (having canopy type structure and especially trees, and not grass) before the completion of the project. The greenbelt shall inter alia cover the entire periphery of the unit. The canopy trees shall also be planted around the parking area to provide shade to the parked vehicles.
- ii. The project proponent shall plant tall saplings having height not less than 6 ft. The proponent shall make adequate provision of funds for raising the plantation and subsequent maintenance for three years in the Environment Management Plan.
- iii. The project proponent shall submit the progress of developing the green belt in the six-monthly compliance report.
- iv. The Project Proponent shall install online monitoring system at inlet as well as at the outlet of each APCD for monitoring SPM.

I. Statutory compliance

- i. The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.

- ii. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
- iii. The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site Specific Conservation Plan/ Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report (in case of the presence of schedule-I species in the study area).
- iv. The project proponent shall obtain Consent to Establish/ Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned Punjab Pollution Control Board.
- v. The project proponent shall obtain the necessary permission from the Central Ground Water Authority/competent authority concerned, in case of withdrawal of groundwater and also in case of use of surface water required for the project. In case of non-grant of permission by CGWA for ground water abstraction, the industry shall make alternative arrangements by using surface water or treated city sewage effluent after obtaining permission from the competent authority.
- vi. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.
- vii. The project proponent shall comply with 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.
- viii. The project proponent shall comply with the CLU conditions imposed by the competent authority, if any.

II. Air quality monitoring and preservation

- i. The project proponent shall install 24x7 continuous emission monitoring system at the inlet as well as at the outlet (stack) of each APCD to monitor the SPM concentration with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R 277 (E) dated 31st March, 2012 (applicable to IF/EAF) as amended from time to time; S.O. 3305 (E) dated 7th December, 2015 (Thermal Power Plants) as amended from time to time) and connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- ii. The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through laboratories recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- iii. The project proponent shall install a system to carry out Manual Ambient Air Quality monitoring for parameters relevant to the main pollutants released (e.g. PM₁₀ and PM_{2.5} in reference to PM emission, and SO₂ and NO_x in reference to SO₂ and NO_x emissions) within and outside the plant area (at least at four locations one within and three outside the plant area at an angle of 120° each), covering upwind and downwind directions.

- iv. The project proponent shall submit monthly summary report of continuous stack emission and air quality monitoring and results of manual stack monitoring and manual monitoring of air quality/ fugitive emissions to the Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.
- v. Appropriate Air Pollution Control (APC) system shall be provided for all the dust-generating points including fugitive dust from all vulnerable sources.
- vi. The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.
- vii. Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, etc. regularly.
- viii. Recycle and reuse of iron ore fines, coal and coke fines, lime fines and such other fines collected in the pollution control devices and vacuum cleaning devices in the process after briquetting/ agglomeration should be ensured.
- ix. The project proponent shall use leak-proof trucks/dumpers carrying coal and other raw materials and cover them with tarpaulin.
- x. The project proponent shall provide covered sheds for raw materials like scrap and sponge iron, lump ore, coke, coal, etc.
- xi. The project proponent shall provide primary and secondary fume extraction system at all melting furnaces.
- xii. Design and implementation of the ventilation system for adequate air changes as per the ACGIH document for all tunnels, motor houses, Oil Cellars should be ensured.

III. Water quality monitoring and preservation

- i. The project proponent shall monitor regularly ground water quality at least twice a year (pre and post-monsoon) at sufficient numbers of piezometers/ sampling wells in the plant and adjacent areas through labs recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories.
- ii. Garland drains and collection pits shall be provided for each stock pile to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run off.
- iii. The project proponent shall practice rainwater harvesting to the maximum possible extent. For this, a pond at Village Mullanpure of Sirhind Block, District Fatehgarh Sahib, having recharge potential of volume @ 18,213 m³ shall be adopted to recharge the water @ 9,107 m³/annum. As an additional safety measure, the stream carrying waste water of the village shall be diverted in one corner of Phytoid plants trench (designed based on the technology developed by CSIR-NEERI's) divided into different parts, the overflow of each chamber shall be allowed to enter into another chamber which will ultimately lead to the purification of water and collected into the pond to avoid any contamination of ground water aquifer. Pond water will percolate through natural strata (without injection) to augment the ground water and remaining water shall be used for irrigation purposes by pumping method in the nearby fields.

- iv. The project proponent shall make efforts to minimize water consumption in the steel plant complex by segregation of used water, practicing cascade use and by recycling treated water.

IV. Noise monitoring and prevention

- i. Noise level survey shall be carried as per the prescribed guidelines and the report in this regard shall be submitted to the Regional Officer of the Ministry as a part of six-monthly compliance report.
- ii. The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.

V. Energy Conservation measures

- i. The project proponent shall practice hot charging of slabs and billets/blooms as far as possible.
- ii. The project proponent shall provide solar power generation on rooftops of buildings, solar light system for all common areas, street lights, parking around project area and maintain the same regularly.
- iii. The project proponent shall provide the for LED lights in their offices and residential areas.
- iv. The Project Proponent shall practice hot charging of slabs and billets/blooms as far as possible.

VI. Waste management

- i. Used refractories shall be recycled as far as possible.
- ii. 100% utilization of fly ash shall be ensured. All the fly ash shall be provided to cement and brick manufacturers for further utilization and Memorandum of Understanding in this regard shall be submitted to the Ministry's Regional Office.
- iii. The waste oil, grease and other hazardous waste shall be disposed of as per the Hazardous & Other waste (Management & Transboundary Movement) Rules, 2016.
- iv. Kitchen waste shall be composted or converted to biogas for further use.

VII. Green Belt

- I. Green belt shall be developed in an area of 6,440.52 sqm (equal to 33.14% of the plant area) with native tree species in accordance with SEIAA guidelines. Total 963 tall saplings (minimum 6 feet height) of indigenous species such as Neem, Drek, Kusum, Kadam, Banyan, Peepal, Amaltas, Arjun, Chakarasia etc will be planted.

II. Public hearing and Human health issues

- i. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
- ii. The project proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms of Factory Act.

- iii. 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 and records maintained as per the Factories Act.
- v. The project proponent shall carry out the activities apart from CER activities and spent an amount as commuted during the public hearing as per the public hearing action plan.

III. Environment Management Plan

- i. 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 to all / 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.
- ii. 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 report to the head of the organization.
- iii. Action plan for implementing EMP and environmental conditions along with 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 account and will not be diverted for any other purpose. The project proponent shall spend a minimum amount of Rs. 186 Lakhs towards the capital cost and Rs. 27.5 Lakhs/annum towards recurring cost including the environmental monitoring cost for the implementation of EMP as proposed in EMP plan as under:

Sr. No.	Details	Capital Cost (In Lacs)	Recurring Cost (In Lacs/annum)
1.	Air Pollution Control (Installation of separate APCD and continuous emission monitoring system on both Induction Furnaces)	150	5
2.	Water Pollution Control (Installation of STP of capacity 10 KLD)	10	6
3.	Noise Pollution Control (Including cost of landscaping & green belt, acoustic enclosure for DG set, provision of ear plugs etc.)	12	10
4.	Solid Waste Management (Management & disposal of domestic solid waste, slag and Hazardous waste)	3	0.5
5.	Environment Monitoring & Management	3	5

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6.	Health, Safety & Risk Assessment (Medical check-up, ESI and PPE kit for workers)	2	0.5
7.	Miscellaneous	2	0.5
Total		182	27.5

***CER Activities:**

As proposed, project proponent shall spend amount of Rs. 4 lacs under CER activities as under:

Sr. No.	Activities	Annual Expenditure (in lakhs)	Timeline	Total Expenditure in 1 Year (in lakhs)
1.	Education Provision of uniforms to students of Government Primary School, Village Wazirabad and Government Primary School, Village Mullanpur	4	1 year	4

Year-wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six-Monthly Compliance Report along with the Six-Monthly Compliance Report.

- iv. Self-environmental audit shall be conducted annually. Every three years third-party environmental audit shall be carried out.
- v. All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the plants shall be implemented.

IV. 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.

V. Miscellaneous

- i. The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition, this shall also be displayed in the project proponent's website permanently.
- ii. 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.
- iii. 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.

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- iv. The project proponent shall monitor the criteria pollutants level namely; PM₁₀, SO₂, NO_x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.
- v. 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.
- vi. 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.
- vii. The project proponent shall inform the Regional Office of the Ministry and PPCB, 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.
- viii. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
- ix. 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 SEAC and SEIAA.
- x. No further expansion or modifications in the project shall be carried out other than those permitted in this EC without prior approval of SEIAA. In case of deviation or alterations in the project proposal from those submitted to the Ministry/SEIAA for clearance, a fresh reference shall be made to the Ministry/SEIAA, as applicable, to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
- xi. The Regional Office, MoEF&CC, Chandigarh, Punjab Pollution Control Board and SEIAA/SEAC members nominated for the purpose shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer(s) entrusted with this monitoring by furnishing the requisite data/information/monitoring reports..

XIV. Additional Conditions:

- i. The Project Proponent shall develop green belt in 33% of the total land area with native tree species (having canopy type structure and especially trees, and not grass) before the completion of the project. The greenbelt shall inter alia cover the entire periphery of the unit. The canopy trees shall also be planted around the parking area to provide shade to the parked vehicles.
- ii. The project proponent shall plant tall saplings having height not less than 6 ft. The proponent shall make adequate provision of funds for raising the plantation and subsequent maintenance for three years in the Environment Management Plan.
- iii. The project proponent shall submit the progress of developing the green belt in the six-monthly compliance report.

- iv. The Project Proponent shall install online monitoring system at inlet as well as at the outlet of each APCD for monitoring SPM.
- v. The Project Proponent shall submit compliance of the action plan proposed to address the public hearing issues along with the six-monthly compliance report of EC condition on Parivesh portal.

2.0 Deliberations during 203rd meeting of SEIAA held on 29.03.2022.

The case was considered by SEIAA in its 203rd meeting held on 29.03.2022 which was attended by the following:

- (i) Sh. Rakesh Kumar Bansal on behalf of the Project Proponent.
- (ii) Ms Simranjit Kaur and Ms. Jyoti Kumari, EIA Coordinator, M/s Eco laboratories Pvt. Ltd.

Environmental Consultant of the promoter company presented the salient features of the project. A copy of the presentation submitted by the Environmental Consultant was taken on record by the SEIAA.

To a query of SEIAA regarding the green area, environmental consultant of the promoter company replied that 33% green area (6440.52 sqm) will be maintained in which total 963 saplings will be planted / maintained as per the guidelines issued by the MoEF&CC. SEIAA directed the project proponent that all the saplings must be planted by the end of monsoon season 2022. To this, Project proponent agreed to plant the same by August, 2022.

To another query by SEIAA, Environmental Consultant informed that rainwater harvesting shall be carried out outside the project premises for which a pond of village Mullanpur of size 0.5 acres having volume of 18213 m³ has been adopted. After desilting the pond, plausible annual recharge to ground water is estimated to be 9107 m³/annum. A condition has been imposed by SEAC in this regard at Sr. No. (iii) of III of Water Quality Monitoring & preservation which is acceptable and will be implemented in letter and spirit.

SEIAA observed that Environmental Consultant has not mentioned the amount to be spent on the activity of rain water harvesting in the Environmental Management Plan. Environmental Consultant informed that this had been inadvertently missed and that a village pond has been adopted under CER activities for carrying out the rain water harvesting, on which an amount of Rs. 26 lacs shall be spent and additional amount of Rs. 4 lacs shall be spent for providing uniforms to the students of Government Primary School, Village Wazirabad and Government Primary School Village Mullanpur. A copy of the revised Environmental Management Plan including the amount to be spent on CER activities was submitted which was taken on record.

The details of the proposed amount to be spent on the Environmental Management Plan is given as under:

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Sr. No.	Details	Capital Cost (In Lacs)	Recurring Cost (In Lacs/annum)
1.	Air Pollution Control (Installation of separate APCD and continuous emission monitoring system on both Induction Furnaces)	150	5
2.	Water Pollution Control (Installation of STP of capacity 10 KLD)	10	6
3.	Noise Pollution Control (Including cost of landscaping & green belt, acoustic enclosure for DG set, provision of ear plugs etc.)	12	10
4.	Solid Waste Management (Management & disposal of domestic solid waste, slag and Hazardous waste)	3	0.5
5.	Environment Monitoring & Management	3	5
6.	Health, Safety & Risk Assessment (Medical check-up, ESI and PPE kit for workers)	2	0.5
7.	Miscellaneous	2	0.5
	CER activities	30	0
Total		212	27.5

***CER Activities:**

As proposed, project proponent shall spend amount of Rs. 30 lacs under CER activities as under:

Sr. No.	Activities	Annual Expenditure (in lakhs)	Timeline	Total Expenditure in 1 Year (in lakhs)
1.	<p>Rain Water Harvesting A village pond of Mullanpur Sirhind Block, District Fatehgarh Sahib, of size 0.5 acres having recharge potential of volume @ 18,213 m³ shall be adopted to practice rainwater harvesting and make its surrounding environment pollution free by adopting the following measures:</p> <ul style="list-style-type: none"> (i) Phytoid technology to treat the waste water discharge into the pond. (ii) Tree plantation of 6ft size around the pond. (iii) Removal of the solid waste, sludge, silt from the pond. (iv) Landscaping around the pond. (v) Installation of drinking water cooler. 	26	1 year	26
2.	<p>Education Provision of uniforms to students of Government Primary School, Village</p>	4	1 year	4

	Wazirabad and Government Primary School, Village Mullanpur			
		30		30

During discussions, the representative of the promoter company agreed to fully comply with all the conditions stipulated by SEAC. The SEIAA observed that the case stands recommended by SEAC and the Committee has awarded 'Silver Grading' to the project proposal. SEIAA looked into the details of the case and was satisfied with the same.

After detailed deliberations, SEIAA decided to accept the recommendations of SEAC and grant Environmental Clearance for expansion of existing Steel manufacturing unit for increasing the production from 29400 TPA to 2,40,000 TPA of Steel Billets/Ingots, Patra and Pipes by addition of 2 Induction Furnaces of capacity 20 TPH each at Village Wazirabad, Sirhind side, Mandi Gobindgarh, District Fatehgarh Sahib, Punjab by M/s JMK Industries as per the details mentioned in Form 2, EIA report and subsequent presentation /clarifications made by the project proponent his consultant with proposed measures, conditions as recommended by SEAC, amended conditions as agreed by the project proponent and additional condition as under:-

Amended condition no. (i) of 'Green Belt'

"Green Belt" shall be developed in an area of 6,440 Sqm (equal to 33.14% of the plant area). The periphery areas and open spaces inside the plot should be developed as "Green Belt" areas. At least 75% of the total "Green Belt" area should be used for planting of indigenous tree species (such as Neem, Drek, Kadam, Kusum, Semul, Pilkhan, Peepul, Banyan, Chakrassia etc) whereas the balance 25% can be used for Ornamental trees, medicinal / ornamental plants, ground cover of shrubs and grasses etc. The project proponent shall ensure planting of 963 saplings alongside the boundary of the project, around the parking area to provide shade to the parked vehicles and other identified locations in the project area as per proposal submitted, with plants of native species preferably having broad leaves by August, 2022. The size of the saplings to be planted should not be less than 6 ft and each sapling shall be properly maintained. The project proponent shall make adequate provisions of funds to ensure maintenance of the plants for a further period of three years. The species with heavy foliage, broad leaves and wide canopy cover are to be preferred whereas use of water intensive and/or invasive species should be minimised.

Amended condition no. (iii) of III 'Environment Management Plan'

- iii. 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 the competent authority. The year-wise funds earmarked for environmental protection measures shall be kept in a separate account and will not be diverted for any other purpose. The project proponent shall spend minimum amount of Rs. 212 Lacs towards the capital cost in the construction phase of the Project including the environmental monitoring cost and amount of Rs. 30 lacs to be spent on CER activities in the vicinity of the project within 2 years and Rs. 27.5 lacs towards the recurring cost in operation phase of the project under the Environmental Management Plan (EMP) of the proposed project as per the details given in Table below:

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Sr. No.	Details	Capital Cost (In Lacs)	Recurring Cost (In Lacs/annum)
1.	Air Pollution Control (Installation of separate APCD and continuous emission monitoring system on both Induction Furnaces)	150	5
2.	Water Pollution Control (Installation of STP of capacity 10 KLD)	10	6
3.	Noise Pollution Control (Including cost of landscaping & green belt, acoustic enclosure for DG set, provision of ear plugs etc.)	12	10
4.	Solid Waste Management (Management & disposal of domestic solid waste, slag and Hazardous waste)	3	0.5
5.	Environment Monitoring & Management	3	5
6.	Health, Safety & Risk Assessment (Medical check-up, ESI and PPE kit for workers)	2	0.5
7.	Miscellaneous	2	0.5
	CER activities	30	0
Total		212	27.5

***CER Activities:**

As proposed, project proponent shall spend amount of Rs. 30 lacs under CER activities as under:

Sr. No.	Activities	Annual Expenditure (in lakhs)	Timeline	Total Expenditure in 1 Year (in lakhs)
1.	<p>Rain Water Harvesting A village pond of Mullanpur Sirhind Block, District Fatehgarh Sahib, of size 0.5 acres having recharge potential of volume @ 18,213 m³ shall be adopted to practice rainwater harvesting and make its surrounding environment pollution free by adopting the following measures:</p> <ul style="list-style-type: none"> (i) Phytoid technology to treat the waste water discharge into the pond. (ii) Tree plantation of 6ft size around the pond. (iii) Removal of the solid waste, sludge, silt from the pond. (iv) Landscaping around the pond. (v) Installation of drinking cooler. 	26	1 year	26
2.	<p>Education Provision of uniforms to students of Government Primary School, Village</p>	4	1 year	4

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	Wazirabad and Government Primary School, Village Mullanpur			
		30		30

Year-wise progress of implementation of action plan shall be reported to the Ministry/Regional Office / SEIAA along with the Six-Monthly Compliance Reports.

Additional Condition:

In the event that the project proponent decides to abandon / close the Project at any stage, he shall submit an application in the prescribed form along with requisite documents through Parivesh to SEIAA for surrendering the Environmental Clearance as per the procedure prescribed in OM dated 29.03.2022 issued by the MoEF&CC. The project proponent shall be accountable for adherence/compliance of the EC conditions till such time as the project is finally closed by SEIAA, based upon the certified closure report of Integrated Regional Offices (IROs) of MoEF&CC, Chandigarh/PPCB.

Additional Condition no's. i), ii), iii) and iv) imposed by SEAC

Additional condition no's i), ii), iii) and iv) imposed by SEAC be deleted being repetitive in nature.

Item No. 203.08: Judgement of Hon'ble Supreme Court of India in Civil appeal No. 3661-3662/2020 in continuation of Hon'ble NGT orders dated 14.10.2020 regarding District Survey Report.

Background and salient features of the matter are as under:

SEIAA was apprised in its 194th meeting held on 29.11.2021 that various representations have been received from various mining contractors on 24.11.2021, seeking relief from SEIAA in light of the order of Hon'ble Supreme Court of India dated 10.11.2021 (passed in Civil Appeal no. 3661-3662/2020 titled the State of Bihar and Others Vs. Pawan Kumar & Ors. against the directions issued by the Tribunal vide judgement and order dated 14.10.2020).

After deliberations, it was decided that a copy of the Hon'ble Supreme Court order be sent to State Geologist and Chief Engineer Mines for information and necessary action. It was also decided that a detailed note be prepared regarding this matter which should be included as an Agenda Item in the next meeting of SEIAA.

In compliance with the aforesaid decision, the following actions have been taken:

- (i) A copy of the Hon'ble Supreme Court order has been sent vide email dated 07.12.2021 to State Geologist and Chief Engineer Mines for information and necessary action.
- (ii) A detailed note in the matter has been prepared and attached as Annexure-3 of the agenda.

1.0 Deliberation during 195th meeting of SEIAA held on 14.12.2021

The matter was considered by SEIAA in its 195th meeting held on 14.12.2021. SEIAA perused the brief of the various orders of Hon'ble NGT passed on 14.10.2020, 04.11.2020, 26.02.2021 and order of Supreme Court of India passed on 10.11.2021.

SEIAA noted that since many months have already elapsed since the orders of the Hon'ble NGT in October, 2020 and this important aspect is to be reviewed by Hon'ble NGT, by the Secretary, MoEF&CC as also by the Chief Secretary Punjab, it is imperative that the Sub-Divisional Committees consisting of the Sub-Divisional Magistrate, officers from Irrigation Department, State Pollution Control Board or Committee, Forest Department and Geological or mining officer may be immediately constituted in all Districts in which sand mining is either presently being carried out or is proposed to be undertaken.

The Committees need to be directed by the Government to prepare the DSRs in accordance with the SSMG 2016 and EMSGM 2020 guidelines of the MoEF&CC and asked to submit the DSRs to SEAC for evaluation within 6 weeks. Since this is an elaborate technical and scientific exercise, it is recommended that an NABT accredited consultant may also be associated by the District Committees to guide and assist them in this regard.

After detailed deliberation, SEIAA decided that detailed agenda note be prepared for the review meeting to be conducted under the Chairmanship of worthy Chief Secretary, Punjab in

compliance of orders issued by NGT on 26.02.2021 in O.A. No. 360/2015 and be placed in the next meeting of SEIAA scheduled on 28.12.2021.

In compliance with the aforesaid decision, detailed agenda note has been prepared for the review meeting to be conducted under the Chairmanship of worthy Chief Secretary, Punjab in compliance of orders issued by NGT on 26.02.2021 in O.A. No. 360/2015 and a copy of the same has been annexed as **Annexure-3** of the agenda for kind perusal please.

2.0 Deliberation during 196th meeting of SEIAA held on 28.12.2021.

SEIAA was apprised as above. SEIAA perused the agenda prepared for review meeting to be conducted under the Chairmanship of Chief Secretary, Punjab in compliance of the order issued by the NGT on 26.02.2021 in OA No. 360/2015 and observed the salient features of the same as under:

- (i) SEIAA will not be able to consider cases for issuing any fresh Environmental Clearances (ECs) till the DSRs of the concerned Districts are duly prepared and approved as per directions of the Hon'ble Supreme Court and Hon'ble NGT.
- (ii) Periodic inspections conducted till date by the 5-member committee headed and coordinated by SEIAA reveal that most of the conditions of the Environmental Clearance have not been complied with.
- (iii) The provisions/stipulations of the Sustainable Sand Mining Guidelines (SSMG), 2016, as also of the Enforcement and Monitoring Guidelines for Sand Mining (EMGSM), 2020, of the MoEF&CC are not being followed at all by any of the stakeholders.
- (iv) Large scale commercial sand mining is being carried out under the head of "desilting" for which no prior EC has been obtained.
- (v) District Level Task Forces which were required to be constituted for monitoring of mining activities as per NGT orders have not commenced working so far.
- (vi) Interaction and coordination between the various departments needs to be improved.

After deliberations, SEIAA decided as under:

- (i) A point-wise brief Agenda be prepared for the review meeting to be conducted under the Chairmanship of Chief Secretary, Punjab keeping in view the aforesaid observations. A background note covering the important issues in each Agenda item may be attached with the agenda.
- (ii) Requisite action be taken immediately regarding violation of the terms and conditions of the Environmental Clearance by the sand mining contractor as and when reports from the Inspection Committee constituted by the NGT are received.

In compliance with the aforesaid decision, the following actions have been taken:

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- (i) Brief Agenda has been prepared for the review meeting to be conducted under the Chairmanship of Chief Secretary, Punjab keeping in view the aforesaid observations which is annexed as Annexure-A of agenda. A background note covering the important issues in each Agenda item has also been prepared and is attached as Annexure- B of the agenda.
- (ii) Show cause notices u/s 5 are being issued to M/s Rakesh Kumar Chaudhary for revocation of Environmental Clearances granted for mining of minor minerals (sand) from the mining sites located at village Dayapur, Suryawal and Nangran, District Ropar.

Further, as per the decision of Inspection Committee taken in its 5th meeting held on 05.01.2022, all the Inspection reports and proceedings of the meetings held by the Committee up to date, have been received through email on 02.02.2022, which are enclosed herewith as per the index attached as **Annexure-C** of the agenda for kind perusal please.

3.0 Deliberations during 200th meeting of SEIAA held on 08.02.2022.

SEIAA perused the Annexure-A, B, C attached with the agenda and observed as under:

- (i) Inspection Committee has forwarded the brief agenda (Annexure-A) along with detailed background note (Annexure-B) for the review meeting to be conducted under the Chairmanship of Chief Secretary, Punjab containing six agenda items as under:

Item No 1.0: Preparation of District Survey Reports (DSRs) for mining of minor minerals.

Item No 2.0: Periodic inspections conducted by 5-Member Committee headed and coordinated by State Environment Impact Assessment Authority (SEIAA).

Item No 3.0 Adherence to the SSMG and EMGSM Guidelines of the MoEF&CC.

Item No 4.0 Requirement of Environment Clearance (EC) for "Desilting" sites.

Item No 5.0: Constitution of District Level Task Force for monitoring of mining activities.

Item No. 6.0: Interactions for effective enforcement.

SEIAA observed that all the agenda items have been well drafted, all the important issues have been addressed and requisite actions required to be taken in compliance of the order dated 26.02.2021 issued by Hon'ble NGT on 26.02.2021 in OA No. 360/2015 and Others titled National Green Tribunal Bar Association Vs. Virender Singh and Others have been enlisted.

- (ii) SEIAA observed that in compliance of the NGT order dated 26.02.2021, periodic inspections have been conducted by the Inspection Committee constituted by the Hon'ble NGT in District Ropar. Inspection Committee in its 5th meeting held on 05.01.2022 decided as under:
 - a) All mining operations being carried out at the Desilting sites are required to be stopped immediately and not to be permitted till the environmental clearances are obtained under the provision of EIA notification, 14.09.2006. The other directions

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of Hon'ble NGT in this regard are also required to be implemented by all concerned agencies and departments.

- b) All the Inspection reports and proceedings of the meetings held by the Committee up to date be sent to SEIAA and copy to Chief Secretary, Punjab for information and taking further necessary action at their end.

SEIAA has received all Inspection reports (6 no.) and proceedings of the meetings (5 no.) of Committee constituted by the Hon'ble NGT on 02.02.2022 which are annexed as Annexure-C of the Agenda of the present meeting. SEIAA perused all the said reports and proceedings and concluded as under:

- (a) From the perusal of visit report of mining site of Village Dayapur, Nangran, Surewal, Tehsil Nangal, District Ropar, it was observed that the mining activities have been carried out beyond the permissible depth as well as beyond the boundaries of the mining site. The contractor has violated most of the conditions of the Environmental Clearance granted to him and has operated the sites without adhering to the provisions/stipulations of the Sustainable Sand Mining Guidelines (SSMG), 2016 and Enforcement and Monitoring Guidelines for Sand Mining (EMGSM), 2020 of the MoEF&CC. The site inspections indicated that mining has been carried out without requisite control/monitoring by the concerned State agencies.
- (b) From the perusal of visit report of mining site of Village Bhallan and Plassi, Tehsil Nangal, District Ropar, it was observed that these mining sites were not in operation on date of visits.
- (c) From the perusal of the visit report of desilting site of Bari Haveli, Ropar, it was observed that large-scale commercial sand mining was in progress for which no prior EC had been obtained and environment aspects have been ignored.

After detailed deliberations, SEIAA decided as under:

- (i) Brief agenda (Annexure-A) along with detailed background note (Annexure-B) and all the reports of the Inspection Committee be sent to the Chief Secretary, Punjab through Principal Secretary Environment via e-office file in continuation of the previous e-office file on the subject.
- (ii) All the Inspection reports of the Committee be forwarded to the Chief Engineer, Mining with a copy to the Secretary-cum-Director, Mines & Geology with a request to take necessary action to ensure compliance of the conditions of Environmental Clearance granted to the contractor and enforce the stipulation as envisaged in the Sustainable Sand Mining Guidelines (SSMG), 2016 and Enforcement and Monitoring Guidelines for Sand Mining (EMGSM), 2020 of the MoEF&CC in whole state of Punjab as it is apprehended that sand mining is being carried out in other parts of the Punjab without adhering to the conditions stipulated in the EC's and with similar violations as those which have been observed in Ropar District.

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- (iii) Show cause notices to issue direction u/s 5 of the Environmental (Protection) Act, 1986 to stop sand /gravel mining activities being carried out under the classification of “Desilting” in the State of Punjab be issued to the Chief Engineer, Mining and to Sh Rakesh Kumar Choudhary, Mining Contractor.
- (iv) Show cause notice to initiate action u/s 5 of the Environment (Protection) Act, 1986 for revocation of environmental clearance granted for mining of minor minerals (Sand/ Gravel) in the revenue estates of Villages Dayapur, Nangran and Surewal, Tehsil Nangal, Distt. Ropar along with other action be issued to the mining contractor namely Sh Rakesh Kumar Choudhary.
- (v) In compliance of the directions of the Hon’ble NGT in para 28 of its order dated 26.02.2021, the site visit reports and action taken thereon be uploaded on the website of SEIAA.

In compliance with the aforesaid decision, the following actions have been taken:

- (i) Brief agenda (Annexure-A) along with detailed background note (Annexure-B) and all the reports of the Inspection Committee has been sent through e-office file on 19.02.2022 to the Member Secretary, SEIAA for forwarding the same to Chief Secretary, Punjab through proper channel. Meeting was fixed on 07.03.2019 which was postponed due to certain administrative reason. The file was again put up through e-office file on 17.03.2022 for seeking fresh date for conducting the meeting under the Chairmanship of Chief Secretary, Punjab. The file is pending at the level of PSSTE.
- (ii) All the Inspection reports of the Committee (Annexure-2 to Annexure-7) has been forwarded vide letter no 5080-81 dated 17.02.2022 to the Chief Engineer, Mining and a copy to the Secretary-cum-Director, Mines & Geology with a request to take necessary action in the matter.
- (iii) Show cause notices u/s 5 of the Environmental (Protection) Act, 1986 has been issued to the Chief Engineer, Mining vide letter no 5067 dated 17.02.2022 to stop sand /gravel mining activities being carried out under the classification of “Desilting” in the State of Punjab.
- (iv) Show cause notices u/s 5 of the Environmental (Protection) Act, 1986 has been issued to Sh Rakesh Kumar Choudhary, Mining Contractor vide letter no 5068 dated 17.02.2022 to stop sand /gravel mining activities being carried out under the classification of “Desilting” at Mining Site of Bari Haveli, Ropar till the grant of Environmental Clearance under EIA Notification dated 14.09.2006 to such mining sites.
- (v) Show cause notices u/s 5 of the Environmental (Protection) Act, 1986 has been issued to Sh Rakesh Kumar Choudhary, Mining Contractor vide letter no 5070-71 dated 17.02.2022, vide letter no 5072-73 dated 17.02.2022 and vide letter no 5074-75 dated 17.02.2022 respectively for revocation of environmental clearance granted for mining of minor

minerals (Sand/ Gravel) in the revenue estates of Villages Dayapur, Nangran and Surewal, Tehsil Nangal, Distt. Ropar.

(vi) The site visit reports and action taken thereon has been uploaded on the web page of SEIAA maintained on the website of DECC on 22.02.2022.

Further, Chief Engineer, Mining and Sh. Rakesh Kumar Chaudhary, Contractor Mining has submitted their reply to the Show Cause notice which is annexed as Annexure A, B, C and D respectively.

4.0 Deliberations during 203rd meeting of SEIAA held on 29.03.2022.

The matter was considered by SEIAA in its 203rd meeting held on 29.03.2022. SEIAA was apprised that in compliance with the decision taken by SEIAA in its 202nd meeting held on 16.03.2022, a copy of the reply submitted by Chief Engineer, Drainage-cum-Mining and Geology, Water Resources Department vide letter no. 1222 dated 14.03.2022 has already been forwarded vide email dated 24.03.2022 to the Inspection Committee constituted by the NGT with a request to send their comments on the reply. Accordingly, Inspection Committee has scheduled its meeting on 01.04.2022.

SEIAA perused the reply submitted by Sh. Rakesh Kumar Chaudhary, Contractor and observed that the reply is incomplete and unsatisfactory. After deliberations, SEIAA decided as under:

- (i) Comments of the Inspection Committee as and when received, be placed in the forthcoming meeting of SEIAA so that further necessary action in the matter can be taken.
- (ii) Sh. Rakesh Kumar Chaudhary, Contractor be given an opportunity of personal hearing on 12.04.2022 at 3:30 pm before the Chairman SEIAA with a direction to submit complete replies along with the documentary proofs to the show cause notice failing which proposed actions mentioned in the show cause notice will be taken.

Item No. 203.09: Complaint against M/s Innovative Housing & Infrastructure Pvt. Ltd. having their head office at PCL House, SCO-198, Opp. Sports Complex, Sector 7-C, Chandigarh for not securing wildlife clearance under wildlife (Protection) Act, 1972 and SEIAA not being the competent authority grant the Environmental Clearance to this project.

Background of the matter are as under:

The complaint was received from Mr. Karan (Environmentalist) R/o #771, SF, Omaxe Cassia, New Chandigarh, Pin Code: 160055 (Mobile No. 95170-00572) on 05.08.2021, which has been addressed to the following:

- 1) The Prime Minister of India, South Block, Secretariat Building Raisina Hill, New Delhi,
- 2) The Secretary, Ministry of Environment, Forests & Climate Change, Government of India,
- 3) The Secretary, State Environment Impact Assessment Authority, Punjab,
- 4) The Principal Secretary, Department of Science, Technology & Environment, Punjab.

A copy of the said complaint was annexed as Annexure-1 of agenda of 187th meeting of SEIAA.

1.0 Deliberations during 187th meeting of SEIAA held on 09.08.2021

SEIAA was apprised that the complainant has filed complaint against M/S Innovative Housing & Infrastructure Pvt. Ltd. having their head office at PCL house, SCO-198, Opp. Sports Complex, Sector 7-C, Chandigarh for not securing wildlife clearance under Wildlife (Protection) Act, 1972 and SEIAA not being the competent authority to grant the environmental clearance to this project. In the said complaint, the following allegations have been made:

- (i) The project site of M/s Innovative Housing and Infrastructure Pvt. Ltd. falls within 10 km of the protected areas notified under Wild Life (Protection) Act, 1972 i.e., Sukhna Wildlife Sanctuary and City Bird Sanctuary. According to the EIA Notifications, 2006, General Conditions attached with the Schedule, any category B project falling within 10 km of a protected area will have to be treated as a Category-A project for granting prior Environmental Clearance. Thus, the competent authority for the same is Central Government, MoEF&CC. SEIAA does not have the competency to grant Environmental Clearance in the case and it should thus be transferred to the MoEF&CC in accordance with the laws applicable.
- (ii) The project site is located within 10 km of the Sukhna Wildlife Sanctuary; therefore, it also needs to procure wildlife clearance from the Standing Committee of National Board for Wildlife (NBWL) under the guideline no. 3.5.1 of 'Guidelines for Taking Non-Forestry Activities in 'Wildlife Habitats' dated 19.12.2012. The project proponent has not applied for the Wildlife Clearance to the MoEF&CC and thus, it should be directed to do the same.
- (iii) The development works of the proposed project can be taken up only after getting validity of agreement extended from the competent authority, Environmental Clearance from the

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Ministry of Environment and Forest, Govt. of India and demarcation of site from Tehsildar Mohali/LAC GMADA and getting the coordinates verified from DTP Mohali.

- (iv) The pre-requisites have not been fulfilled by the project proponent as of yet and not bothering about that the company has started development on their project area. The CA Certificate dated 16.01.2018 sufficiently proves the same for which a copy of CA Certificate was submitted.

To a query of SEIAA regarding issuance of Environmental Clearance, SEIAA was apprised that as per the record available with the office of SEIAA, an application for exemption of the Project from Environmental Clearance was received from M/s. Innovative Housing & Infrastructure Pvt. Ltd. (Mega Integrated Residential Township) at Village Togan and Teera, New Chandigarh, Kharar, Distt. SAS Nagar. The application was considered by SEIAA in its 179th meeting held on 12.04.2021 in which Environmental Consultant of the promoter company informed that the project proposal was granted Terms of Reference on 04.02.2021 by the MoEF&CC and that the application for obtaining Environmental Clearance will be submitted to SEIAA shortly. SEIAA observed that as the TORs have been approved by the MOEF&CC and the process of obtaining Environmental Clearance has been initiated by the Project Proponent their request to exempt their Project from obtaining Environmental Clearance has become infructuous.

After deliberations, SEIAA decided that application of the Project Proponent seeking exemption from obtaining EC be filed as it had become infructuous. Further, the Project Proponent be informed as above and be directed not to undertake any work or activity except securing of land prior to grant of requisite Environment Clearance.

In compliance with the aforesaid decision, application of the project Proponent seeking exemption from obtaining EC was filed and the project proponent was informed vide letter no 3986 dated 04.05.2021 not to undertake any work or activity except securing of land prior to grant of requisite Environment Clearance.

Besides above, while granting the Environmental Clearance under EIA Notification dated 14.09.2006 for establishment of affordable group housing project namely "The Address" in an area of 39659.19 sqm (9.8 acres) having built-up area 111480.72 sqm located at Village Togan, New Chandigarh, Distt. SAS Nagar (Mohali), Punjab developed by M/s. Address Infrastructures Pvt. Ltd. (Proposal no. SIA/PB/NCP/73658/2018), SEIAA in its 143rd meeting held on 07.02.2019 has imposed the following conditions:

- (i) The project proponent of M/s Innovative Housing & Infrastructure (P) Ltd. shall not sell land measuring area 6 acres which is reserved for utilization of the treated domestic waste water for plantation based on Karnal technology for which legally enforceable undertaking has been submitted by them and this land shall also not be used for any other purpose till an alternative arrangement like public sewer is available in the area and permission is granted by the competent authority to discharge the treated domestic effluent into their sewer.

- (ii) The project proponent of M/s Innovative Housing & Infrastructure (P) Ltd. shall be bound to obtain environment clearance if area of the main project namely PCL Gateway exceeds 50 hectares (123.553 acres) as required under the provisions of EIA notification 14.09.2006.

From above, SEIAA observed as under:

- (i) M/s. Innovative Housing & Infrastructure Pvt. Ltd. (Mega Integrated Residential Township) at Village Togan and Teera, New Chandigarh, Kharar, Distt. SAS Nagar has not been granted the Environmental Clearance by SEIAA, Punjab. However, project proponent has obtained the Terms of Reference for this Project from the Ministry on 04.02.2021 as the SEIAA Punjab was not functioning in the period of 06.11.2020 to 02.02.2021.
- (ii) Environmental Clearance has been granted to the project for establishment of affordable group housing project namely "The Address" in an area of 39659.19 sqm (9.8 acres) having built-up area 111480.72 sqm located at Village Togan, New Chandigarh, Distt. SAS Nagar (Mohali), Punjab developed by M/s. Address Infrastructures Pvt. Ltd. with special condition as mentioned above.
- (iii) As alleged by the complainant, M/s. Innovative Housing & Infrastructure Pvt. Ltd. has started the development work of the project without obtaining the Environmental Clearance under the provision of EIA Notification 14.09.2006.

After deliberations, SEIAA decided as under:

- (i) A copy of the complaint be sent to the Punjab Pollution Control Board with a request to send the detailed comments after site verification as to whether M/s. Innovative Housing & Infrastructure Pvt. Ltd. has started the development work of Area and Township Development project without obtaining the Environmental Clearance for which Terms of Reference have been issued by the Ministry on 04.02.2021 or not? The details of application and TORs issued by MoEF&CC, GoI to M/s. Innovative Housing & Infrastructure Pvt. Ltd. and EC issued by SEIAA, Punjab to M/s. Address Infrastructures Pvt. Ltd. be also sent to PPCB for considering the same while sending the detailed comments on the complaint.
- (ii) The matter will be placed again before SEIAA after getting the report from the PPCB.

In compliance with the aforesaid decision, a copy of the complaint was sent vide letter no. 4703 dated 26.08.2021 to the Punjab Pollution Control Board with a request to send the detailed comments after site verification.

Another complaint in continuation to the previous complaint submitted by Sh. Karan Sethi R/o #771, SF Omaxe Cassia, New Chandigarh on 18.10.2021. A copy of the same was annexed as Annexure-4 of the agenda. In the complaint, it has been requested as under:

- (i) The SEIAA may kindly direct the company to stop the construction of the project with immediate effect.

- (ii) The SEIAA shall cancel the TOR issued to the Company for Deliberately Concealment of Facts in the Application for TOR.
- (iii) The complaint shall be forwarded to MOEF, GMADA, PUDA, RERA for necessary actions against the company.
- (iv) The company shall be penalized under relevant provisions for violation of the EIA Notification dated 14.09.2006 drafted under the Act.
- (v) This Complaint and annexures thereof shall be considered as an additional evidence/complaint to his previous Complaint considered in the 187th Meeting of SEIAA held on 09.08.2021.

2.0 Deliberations during 192nd meeting of SEIAA held on 01.11.2021.

The case was considered by SEIAA in its 192nd meeting held on 01.11.2021. SEIAA was also apprised that Ministry of Environment, Forest and Climate Change, Govt. of India vide letter no. 704 dated 28.10.2021 has sent a copy of the representation of Shri Karan Sethi (Environmentalist) for the project M/s Innovative Housing & Infrastructure Pvt. Ltd. for taking further necessary action in the matter. The contents of the said complaint are very mostly similar to the complaint received directly from the complainant on 18.10.2021.

After detailed deliberations, SEIAA decided to forward copies of the complaints received from the Ministry as well as from the complainant to Punjab Pollution Control Board with a request to send the detailed comments after site verification and considering the first complaint sent vide this office letter no. 4703 dated 26.08.2021. It was also decided that copies of the complaints be also sent to the Project Proponent and reply sought within 15 days. The matter be placed again before SEIAA after getting the report from the PPCB.

In compliance with the aforesaid decision, the following action has been taken:

- (i) Copies of the complaints received from the Ministry as well as from the complainant have been sent vide letter no. 4881 dated 25.11.2021 to Punjab Pollution Control Board with a request to send the detailed comments after site verification
- (ii) Copies of the complaints received from the Ministry as well as from the complainant has been sent vide letter no. 4882 dated 25.11.2021 to M/s Innovative Housing & Infrastructure Pvt. Ltd.

No reply has been received from the Punjab Pollution Control Board as well as from M/s Innovative Housing & Infrastructure Pvt. Ltd. in reference to the aforesaid letter.

3.0 Complaint dated 11.01.2022 and e-mail dated 14.01.2022.

Further, another complaint dated 11.01.2022 (Annexure-3 of the agenda) regarding Violation of SEIAA Orders dated 04.05.2021 regarding not creating any third-party rights by M/s innovative housing and Infrastructure Pvt. Ltd. for their project namely PCL gateway has been

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received through e-mail on 12 .01.2022 and a copy of the same has also been received by post on 20.01.2022. The content of the said complaint is re-produced is as under:

“This is to intimate you that the above-mentioned Project Proponent has deliberately violated the Orders of SEIAA vide letter dated 04.05.2021 (copy attached) wherein the Project Proponent was specifically directed to not to undertake any work or activity except securing of land prior to grant of requisite Environment Clearance. In contrast to the above said directions, the Developer has created third-party Rights in the said Project.

The Quarterly Updates of the Project from the year 2018 to the year 2021 uploaded on the RERA Website by the Developer himself which make it amply clear that the Project Proponent has developed the said Project and has even created third-party Rights by booking and selling the Plots which are clear in the quarterly updates which show that the Developer has booked and sold total of 259 plots in the Project.

Kindly take an instant and appropriate action against the developer and: -

- a) Issue a public notice so that common public should not fall prey,
- b) To direct the company to return the amount and maintain Status Quo Ante as it was at the date of issuance of the letter dated 04.05.2021,
- c) Penalize the company for the grave and serious violations,
- d) Call upon the list of all the Allottees mentioning the names, addresses, Mobile Numbers along with the Unit No.'s and the Area allotted along with the date of allotment, as the same will take off the veil from the fraud played by the Developer.”

Sh. Karan Sethi, complainant vide e-mail dated 14.01.2022 (Annexure-4 of agenda) has sent an advance notice for filing a case against Environmental Engineer, SEIAA in the court of LOKPAL or LOKAYUKTA. The contents of the said notice are re-produced as under:

“Kindly provide us the information whether you fall under the jurisdiction of Lokayukta or Lokpal for the reason being that the there is a lapse of more than 6 months yet no action has been taken against the Complaints filed by the undersigned against M/s Innovative Housing and Infrastructure Pvt. Ltd. for their project PCL Gateway. The undersigned has time and again produced concrete proof that the Developer has done development in the said project without obtaining prior environmental clearance (EC) as obligated by EIA Notification, 2006.

That only paper formalities are being completed by your good office, but yet no action has been taken against the Developer with a lapse of 6 months, who indeed has even sold the plots and is selling the plots violating the Specific Orders of SEIAA, which is clearly demonstrated in the quarterly updates made by the Developer himself on the RERA Website and has collected hundreds of Crores of Rupees from innocent end-users.”

4.0 Deliberations during 199th meeting of SEIAA held on 25.01.2022.

The case was considered by SEIAA in its 199th meeting held on 25.01.2022, which was attended by Sh. Karan Sethi (Environmental/Complainant) through online mode. A representation was submitted by him through Whatsapp message, which was taken on record. During the meeting, complainant apprised SEIAA as under:

- (i) The project proponent is bound to secure prior environmental clearance as per the decision taken by SEAC in its 197th meeting held on 15.03.2021.
- (ii) The project proponent is developing the project and selling the plots even after directions issued by SEIAA for not undertaking any development works.
- (iii) The NOC from PPCB has been obtained by the Project Proponent by misrepresenting the area of the project and not disclosing the fact that the project falls under the domain of EIA Notification, 2006.
- (iv) The project proponent is blowing hot and cold in same breath.
- (v) The Project proponent is guilty of deliberate concealment and misrepresenting of facts in the application of TOR in order to secure Environmental Clearance fraudulently.

SEIAA heard the complainant at length and provided full opportunity to him to substantiate all his allegations in the meeting. After carefully considering the oral submissions of the complainant and contents of his written complaints and detailed deliberations, SEIAA decided as under:

- (i) Since no reply has been received from M/s Innovative Housing & Infrastructure Pvt. Ltd. in reference to the Letter No. 4882 dated 25.11.2021, a show cause notice be issued to the company u/s 5 of the Environment Protection Act, 1986 for submission of reply within 30 days. The Company be directed again not to undertake any action / development in contravention of EIA Notification, 2006, and other relevant laws.
- (ii) A reminder be sent to Member Secretary, Punjab Pollution Control Board in reference to the SEIAA letter No. 4881 dated 25.11.2021 to expedite submission of their long pending enquiry report on the complaint.
- (iii) Further action in the matter will be taken by SEIAA after receipt of enquiry report from PPCB and reply to show-cause notice from the Project Proponent

In compliance with the aforesaid decision, the following actions have been taken:

- (i) Directions u/s 5 of the Environmental (Protection) Act, 1986 issued to the company vide letter no 5060-61 dated 14.02.2022 and also emailed on 14.02.2022.
- (ii) Show cause notice u/s 5 of the Environment Protection Act, 1986 has been issued to M/s Innovative Housing & Infrastructure Pvt. Ltd. vide letter no. 5062 dated 14.02.2022 and also emailed on 14.02.2022

(iv) A reminder has been sent to Member Secretary, Punjab Pollution Control Board vide letter no. 5061 dated 14.02.2022 in reference to the SEIAA letter No. 4881 dated 25.11.2021 to expedite submission of their long pending enquiry report on the complaint.

5.0 New Facts

5.1 A letter received from Sh. Karan Sethi (Complainant) on 02.02.2022

It is submitted that a letter (Annexure-B) from Sh. Karan Sethi (Complainant) received on 02.02.2022 addressed to Environmental Engineer, SEIAA wherein it was informed that M/s Innovative Housing and Infrastructure Pvt. Ltd. is deliberately concealing the information of various departments from the Statutory Bodies like SEIAA and SEAC and for this reason, so as to unearth the whole scam, it is advised to seek information in the shape of the letters (Copies enclosed as Annexure-B, C, D & E). This is very much required in the peculiar facts and circumstances of the present case and is also material so as to come to a deliberate conclusion, which is the need of the hour.

5.2 PPCB letter no. 610 dated 20.01.2022 received on 31.01.2022

Senior Environmental Engineer, ZO-1, PPCB, Patiala vide letter dated 610 dated 20.01.2020 has send the reply in reference to the SEIAA letter dated 4703 dated 26.08.2021 regarding the complaint against Mega Integrated Residential Township located at Vill. Togan and Teera, New Chandigarh, Tehsil Majri, Distt. SAS Nagar developed by M/s Innovative & Infrastructure Pvt. Ltd. A copy of the said letter is Annexure-F for kind perusal please.

6.0 Deliberations during 201st meeting of SEIAA held on 22.02.2022.

The case was considered by SEIAA in its 201st meeting held on 22.02.2022 which was attended by Sh. Mohammad Rashid, Assistant Architect on behalf of M/s Innovative & Infrastructure Pvt. Ltd. and Sh. Karan Sethi, Environmentalist/Complainant.

To a query by SEIAA, Sh. Mohammad Rashid, Assistant Architect informed that they had received the show cause notice issued by SEIAA vide letter no. 5062 dated 14.02.2022 which provided 30 days' time to file their reply. He informed that the reply to the said notice is being prepared and will be submitted within the time provided.

After deliberations, SEIAA decided to defer the matter till 13.03.2022 or till the time the reply is received from M/s Innovative & Infrastructure Pvt. Ltd., whichever is earlier. Accordingly, the matter shall be placed before SEIAA for consideration.

7.0 Deliberations during 203rd meeting of SEIAA held on 29.03.2022

The matter was considered by SEIAA in its 203rd meeting held on 29.03.2022. Environmental Engineer, SEIAA apprised that no reply has been received in reference to the show cause notice issued vide letter no. 5062 dated 14.02.2022 to M/s Innovative & Infrastructure Pvt. Ltd. During the meeting, a messenger of M/s Innovative & Infrastructure Pvt. Ltd. requested to provide one more weeks' time to submit the reply since the Director of the Company is under medical treatment.

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After deliberations and in consultation with Chairman SEAC, SEIAA decided to constitute a 3-Member Committee of Sh. Parminder Singh Bhogal, Member SEAC, Sh. K.L. Malhotra, Member SEAC and Er. Parveen Saluja to investigate the facts of the complaints. After visiting the site, Committee shall submit its report indicating as to whether violation of the EIA Notification 14.09.2006 as amended time to time has been made or not, and if so, the complete details and extent thereof within 30 days.

Table Item No. 1: Request for withdrawal of complaint case filed by the Punjab Pollution Control Board against Desh Bhagat University and Others, Amlah Road, Mandi Gobindgarh under the provisions of the Environment (Protection) Act, 1986 on the directions of the SEIAA, Punjab.

1.0 Background:

The Registrar, Desh Bhagat University and others, Amlah Road, Mandi Gobindgarh submitted vide letter dated 07.03.2022 has submitted request regarding withdrawal of the complaint case filed by the PPCB under the provisions of EPA, 1986 on the direction of SEIAA, Punjab. The matter was considered by SEIAA in its 202nd meeting held on 16.03.2022 wherein SEIAA decided to ask for the following information from the University:

- (i) Extent and details of the built-up area of the University as on date.
- (ii) Layout plan of the University approved by the Competent Authority.
- (iii) Year wise construction status of the various buildings in the following format:

Name of the building	Year	Built-up area as per the layout plan approved by the competent authority	Built-up area on ground	Percentage of completion	Remarks
For e.g. ABC	2005	XYZ	XYZ	100%	

- (iv) Status of Consent to operate under the provision of Water Act, 1974 and Air Act, 1981 issued by PPCB.
- (v) Undertaking to the effect that the total land area and total built-up area of the University is less than 50 hectares and 1.5 lacs sqm respectively.
- (vi) Any order issued by any Court of Law stating that OM dated 22.12.2014 issued by the MoEF&CC under which relief has been sought by the applicant is to be implemented retrospectively instead of prospectively.

In compliance with the aforesaid decision, University was requested vide letter no. 5231 dated 24.03.2022 to submit the reply to the aforesaid observations.

Accordingly, University has submitted the detailed reply vide letter no. 173 dated 25.03.2022 to the aforesaid observations.

2.0 Deliberations during 203rd meeting of SEIAA held on 29.03.2022.

The matter was considered by SEIAA in its 203rd meeting held on 29.03.2022. After deliberations, SEIAA decided to send the matter to Sr. Advocate of Punjab Pollution Control Board for seeking legal opinion in the matter. The matter be placed before SEIAA after getting the legal opinion from the Sr. Advocate of Punjab Pollution Control Board.

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