Proceedings of 216th meeting of State Expert Appraisal Committee (SEAC) held on 14.03.2022 (Monday) at 10:30 AM in the Conference Hall no. 2 MGSIPA Complex, Sector-26, Chandigarh.

The following were present:

Sr. No.	Name of SEAC Member	Designation in SEAC
1.	Er. Yogesh Gupta	Chairman
2.	Sh. Pardeep Garg	Member Secretary
3.	Sh. Parminder Singh Bhogal	Member
4.	Sh. K.L Malhotra	Member
5.	Sh. Anil Kumar Gupta	Member
6.	Sh. Satish Kumar Gupta	Member
7.	Dr. Pawan Krishan	Member
8.	Dr. Sunil Mittal	Member

Item No. 01: Confirmation of the proceedings of 215th meeting of State Level Expert Appraisal Committee held on 23.02.2022.

The proceedings of 215th meeting of State Level Expert Appraisal Committee held on 23.02.2022 were prepared and circulated through email on 28.02.2022. The comments received from Sh. K.L Malhotra, has been incorporated in the proceedings. Accordingly, SEAC confirmed the proceedings.

Item No. 02: Action taken on the proceedings of the 215th meeting of State Level Expert Appraisal Committee held on 23.02.2022.

The action taken on the decisions of 215th meeting of State Level Expert Appraisal Committee held on 23.02.2022 has been completed. SEAC noted the same.

Item no. 216.01: 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.)

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 undertake that the information given in the application are true to the best of his knowledge & belief and no facts have been concealed thereof. Further, he is aware that in case, if any information submitted was 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.5 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.

3. ***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."

Deliberations during 216th meeting of SEAC held on 14.03.2022.

The meeting was attended by the following:

1. Mr. Sahil Garg, Partner, M/s Affinity Buildtech.
2. Sh. Sital Singh, EIA coordinator, M/s Chandigarh Pollution Testing Laboratory, E- 126, Phase-VII, Industrial Area, Mohali.
3. 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 concerned DFO to the	No

<table>
<tr><td></td><td>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.</td><td></td></tr>
<tr><td>7.</td><td>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).</td><td>No, a self-declaration in this regard submitted.

NA

NA</td></tr>
<tr><td>8.</td><td>Classification/Land use pattern as per Master Plan</td><td>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.</td></tr>
<tr><td>9.</td><td>Cost of the project</td><td>162 Crore</td></tr>
<tr><td>10.</td><td>Total Plot area, Built up Area and Green area</td><td>
<table>
<tr><th colspan="2">Area Details</th></tr>
<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>
</table>
</td></tr>
<tr><td>11.</td><td colspan="2">Configuration details:
<table>
<tr><th>Sr. No</th><th>Tower</th><th>Configuration</th><th>No. of flats</th><th>Type of flats</th></tr>
<tr><td>1.</td><td>Tower-A</td><td>Stilt+21</td><td>84</td><td>3+1 BHK</td></tr>
<tr><td>2.</td><td>Tower-B</td><td>Stilt+21</td><td>84</td><td>3 BHK</td></tr>
<tr><td>3</td><td>Tower-C</td><td>Stilt+21</td><td>42</td><td>4+1 BHK</td></tr>
<tr><td>4</td><td>Tower-D</td><td>Stilt+21</td><td>42</td><td>4+1 BHK</td></tr>
<tr><td>5</td><td>Tower-E</td><td>Stilt+21</td><td>42</td><td>4+1 BHK</td></tr>
<tr><td>6</td><td>Tower-F</td><td>Stilt+21</td><td>42</td><td>4+1 BHK</td></tr>
<tr><td>7</td><td>Tower-G</td><td>Stilt+21</td><td>42</td><td>4+1 BHK</td></tr>
<tr><td>8</td><td>Tower-H</td><td>Stilt+21</td><td>42</td><td>4+1 BHK</td></tr>
<tr><td>9</td><td>Tower-I</td><td>Stilt+21</td><td>42</td><td>4+1 BHK</td></tr>
</table>
</td></tr>
</table>

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 sq.m) (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.

<table>
<tr><td></td><td></td><td>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.</td></tr>
<tr><td>16.</td><td>Energy Requirements & Saving</td><td>a) 2600 KW from PSPCL.
b) 2 x 500 KVA,240 KVA & 125 KVA
Saving measures:
• Solar Light 30 No. = 45 KWHD
• Common area (400) lights replaced with LED = 216 KWHD
• Total Energy saved/day 45+216= 261 KWHD</td></tr>
<tr><td>17.</td><td>Block wise details of no. of trees to be planted in proposed greenbelt area</td><td>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</td></tr>
<tr><td>18.</td><td>Environment Management Plan along with Budgetary break up phase wise and responsibility to implement</td><td>During construction phase, GM Projects will be responsible and during operation phase, Partner will be responsible for implementation of the EMP.

<table>
<tr><th>Sr. no</th><th>Description</th><th>Capital Cost (Rs. in Lacs)</th><th>Recurring cost (Rs. in Lacs)</th></tr>
<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>
<tr><td>5.</td><td>Sewage Treatment Plant</td><td>125.0</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>40.0</td><td>--</td></tr>
<tr><td>8.</td><td>RWHP</td><td>7.0</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>2.4</td></tr>
<tr><td>11.</td><td>Noise Level Monitoring (Every Month)</td><td>--</td><td>0.5</td></tr>
</table>
</td></tr>
</table>

			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 sq.m 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 confirm to the suitability as prescribed under the provisions laid down under the master plan of respective city/ town. For that, the project proponent shall 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, murram and other construction materials prone to causing dust pollution at the site as well as taking out debris from the site.

vi) No Excavation of soil shall be carried out without adequate dust mitigation measures in place.

vii) No loose soil or sand or construction 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 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) (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

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 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.

Item No.216.02: 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)

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 undertake that the information given in the application are true to the best of his knowledge & belief and no facts have been concealed thereof. Further, he is aware that in case, if any information submitted was 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 Gighway 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.*

Deliberations during 216th meeting of SEAC held on 14.02.2022.

The meeting was attended by the following:

1. Mr. Puneet Jaidka, Partner of Project.
2. Dr. Sandeep Garg, EIA Coordinator, M/s Eco laboratories Pvt Ltd.
3. 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.

Proposed cost for expansion: 13.02 Crores.
Total cost of project after expansion: Rs. 34.10 Crores.

b. Total project cost breakup at current price level

b. The break-up of the project cost is given as under:

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**

8. Details of technology proposed for control of emissions & effluents generated from project

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

9. Plot Area Details

Area breakup of the project is given below:

S. No.	Description	Area (in sq.m.)
1.	Existing Covered Area	5,797.02
2.	Proposed Covered Areas	1,449.81

<table>
<tr><td></td><td></td><td>
<table>
<tr><td>3.</td><td>Green Area (@ 33.01 %)</td><td>8,118.02</td></tr>
<tr><td>4.</td><td>Passage Area</td><td>6,040.89</td></tr>
<tr><td>5.</td><td>Parking Area</td><td>1,464.77</td></tr>
<tr><td>6.</td><td>Grid, Open & other areas</td><td>1,720.53</td></tr>
<tr><td colspan="2">Total Area</td><td>24,591.0 sq.m
(6.076 acres)</td></tr>
</table>
</td></tr>
<tr><td>10.</td><td>Type of project land as per master plan</td><td>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.</td></tr>
<tr><td>11.</td><td>ToR Compliance Report</td><td>Submitted</td></tr>
<tr><td>12.</td><td>Compliance Report of Public Hearing Proceedings (Action Taken)</td><td>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.</td></tr>
<tr><td>13.</td><td>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.</td><td>No litigation is pending against the project. Undertaking in this regard has been submitted.</td></tr>
<tr><td>14.</td><td colspan="2">Details of the raw materials given below:
<table>
<tr><th>S. No.</th><th>Raw Materials</th><th>Existing</th><th>Proposed</th><th>Total after expansion</th></tr>
<tr><td>1.</td><td>Scrap & Ferro Alloys</td><td>32,200 TPA</td><td>1,76,050 TPA</td><td>2,08,340 TPA</td></tr>
</table>
</td></tr>
<tr><td>15.</td><td colspan="2">Details of the products given below:
<table>
<tr><th>S. No.</th><th>Product Name</th><th>Existing</th><th>Proposed</th><th>Total after expansion</th></tr>
<tr><td>1.</td><td>MS Billets/Concast Billets/ Flats/HR Coil/TMT Bars/Pipes</td><td>29,400 TPA</td><td>1,60,000 TPA</td><td>1,89,400 TPA</td></tr>
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</table>

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:** 1 × 320 KVA	H.S.D	Canapy 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 catagory	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 35.1APCD 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	Toal 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 • Winter • Monsoon	 • 1 • 0.3 • 0.1	 • 45 • 15 • 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

<table>
<tr><td></td><td></td><td>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.</td></tr>
<tr><td>24.</td><td>Rain water utilization proposal during monsoons</td><td>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.</td></tr>
<tr><td>25.</td><td>Rain Water Harvesting proposal (within/outside premises) along with NOC from concerned village Sarpanch</td><td>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.</td></tr>
<tr><td>26.</td><td>Block wise details of no. of trees to be planted in proposed greenbelt area (1500 trees to be planted @ 10,00 sq.m area):</td><td>Blockwise green area and no. of trees to be planted are given below:
<table>
<tr><th>S. No.</th><th>Block</th><th>Green area (in sq.ft.)</th><th>No. of trees</th></tr>
<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>
</table></td></tr>
<tr><td>27.</td><td>a. Energy requirements & savings.

b. Energy saving measures to be adopted within industry:</td><td>a. The energy requirement details are given below:
<table>
<tr><th>Description</th><th>Unit</th><th>Existing</th><th>Proposed</th><th>Total after expansion</th></tr>
<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>
</table>
b. <u>Energy Saving measures to be adopted</u>:
• LEDs has been provided in place of CFLs.
• Energy efficient Induction Furnaces and other machinery will be installed, after expansion.</td></tr>
<tr><td>28.</td><td colspan="2">EMP Budget derails:
<table>
<tr><th>S. No.</th><th>Environmental Protection Measures</th><th>Capital Cost (Rs. in lakhs)</th><th>Recurring Cost (Rs. in lakhs/year)</th></tr>
<tr><td>1.</td><td>Air Pollution Control (Installation of APCD on new induction Furnace along with continuous emission monitoring system)</td><td>150</td><td>5</td></tr>
</table></td></tr>
</table>

2.	Noise Pollution Control (Including costof 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**

A duly constituted EMC comprises the following:

1. Partner
2. Manager (Works)
3. Environment Consultant

Further, Mr. Puneet Jaidka (Partner) will be responsible for implementation of the CER activities. Following activity has been proposed under CER:

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. PM_{10} and $PM_{2.5}$ in reference to PM emission, and SO_2 and NOx in reference to SO_2 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 m^3 shall be adopted to recharge the water @ 36422 m^3/annum. As an additional safety measure, the stream carrying waste water of the village shall be diverted in one corner of Phytorid 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**

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; PM_{10}, SO_2, 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.

Item No. 216.03: 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).

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."

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.	If the project involves diversion of forest land. If yes, a) Extent of the forest land. b) Status of the forest clearance.	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. 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

<table>
<tr><td></td><td></td><td>existing trees/plants. Therefore, this office has not objection for the establishment of the group housing project.</td></tr>
<tr><td>6.</td><td>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.</td><td>The Project Proponent submitted self-declaration that no land area is covered under the Punjab Land Preservation Act 1900</td></tr>
<tr><td>7.</td><td>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).</td><td>No, the Project does not fall in any notified eco-sensitive area submitted.

NA

NA</td></tr>
<tr><td>8.</td><td>Classification/Land use pattern as per Master Plan</td><td>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.</td></tr>
<tr><td>9.</td><td colspan="2">Cost of the project
<table>
<tr><th>Description</th><th>Existing (Lakhs)</th><th>Proposed (Lakhs)</th><th>Total (lakhs)</th></tr>
<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>
</table></td></tr>
</table>

	Construction charges	20520	15500	36020
	Misc./Administrative expenses	1225	830	2055
	Interest during const.	800	500	1300
	Total	**23510**	**17450**	**40960**

10. Total Plot area, Built up Area and Green area

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:

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

11. Configuration details

Description	Existing	Proposed	Total
No. of Apartments/Flats	1274	902	2176

PROPOSED EXPANSION

TOWER M1		
Level detail	No. of Blocks	No. of units
Stilt +21	01	@12 flats per floor till 20th floor +24 flats (EWS on 21st floor)
TOTAL FLATS		264
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	POPULATION NO.
1	Residential Flats	2176 @5person per flat	10,880
2	Shops	36 @2person per shop	72
3	School	1	100
4	Club/community center	1	200
5	Maintenance staff	--	100
6	Floating Population		500
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/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

a) The Project Proponent has submitted an acknowledgement received from PWRDA for submission of application for abstracting 995 KLD of ground water.
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.

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.

<table>
<tr><td>16.</td><td>Solid waste generation and its disposal</td><td>
<table>
<tr><th>Description</th><th>Existing (kg/day)</th><th>Additional (kg/day)</th><th>Total (kg/day)</th></tr>
<tr><td>MSW</td><td>3000</td><td>1804</td><td>4804</td></tr>
</table>
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 on site composting facility and the non-biodegradable component would be sent to be material recovery facility of MC Jalandhar.
</td></tr>
<tr><td>17.</td><td>Hazardous Waste & E-waste</td><td>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.</td></tr>
<tr><td>18.</td><td>Energy Requirements & Saving</td><td>
<table>
<tr><th>Description</th><th>Existing</th><th>Proposed</th><th>Total</th></tr>
<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>
</table>
a) After expansion, there will be two DG sets of capacity 500 KVA each, which shall be provided adequate stack height of 15m.
</td></tr>
<tr><td>19.</td><td>Block wise details of no. of trees to be planted in proposed greenbelt area</td><td>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.</td></tr>
<tr><td>20.</td><td colspan="2">Environment Management Plan along with Budgetary break up phase wise and responsibility to implement
Environmental management Plan (Proposed Expansion)
<table>
<tr><th>Sr. No.</th><th>Environmental Aspect</th><th>Approx. Capital Cost (Rs lac)</th><th>Approx. Recurring Cost (Rs lac)</th></tr>
<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>
<tr><td>3.</td><td>MSW</td><td>2.0</td><td>3.5</td></tr>
<tr><td>4.</td><td>Environmental monitoring & Management</td><td>-</td><td>0.5</td></tr>
<tr><td>5.</td><td>Record & maintenance of water consumption, waste water generation</td><td>1.0</td><td>-</td></tr>
</table>
</td></tr>
</table>

	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 sq.m 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 confirm to the suitability as prescribed under the provisions laid down under the master plan of respective city/ town. For that, the project proponent shall 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, murram and other construction materials prone to causing dust pollution at the site as well as taking out debris from the site.

vi) No Excavation of soil shall be carried out without adequate dust mitigation measures in place.

vii) No loose soil or sand or construction 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.

Item No. 216.04: 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).

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 undertake that the information given in the application are true to the best of his knowledge & belief and no facts have been concealed thereof. Further, he is aware that in case, if any information submitted was 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 fall outside the Local Planning Area Jalandhar (2020-31) and the industry does not falls 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."

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,	No, a self-declaration in this regard submitted.

	a) Extent of the forest land. Status of the forest clearance.	
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, a self-declaration in this regard submitted.
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, the project site is not located in any notified eco-sensitive zone. NA NA
8.	a. Whether the project falls in the critical polluted area notified by MoEF&CC/CPCB. (Yes/No) 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)	The project falls outside the Critical polluted area
9.	a. Total Project Cost (In Crores): b. Total project cost breakup at current price level duly certified by Chartered Engineer/ Approved	a. Total Project Cost (In Crores): Rs. 28.5925 Crore b. Total project cost breakup at current price level duly certified by Chartered Engineer/ Approved valuer or Chartered Accountant is following:

<table>
<tr><td></td><td>valuer or Chartered Accountant</td><td>
<table>
<tr><th>S.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>
<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>
</table>
</td></tr>
<tr><td>10</td><td>Amount of EC Processing Fee deposited by NEFT/DD (Rs. In Lacs)</td><td>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.</td></tr>
<tr><td>11</td><td>Details of technology proposed for control of emissions & effluents generated from project</td><td>
<table>
<tr><th>Sr. No.</th><th>Details of proposed APCD/STP/ETP/ZLD/ Continuous online monitoring system</th><th>Technology to be adopted by new unit/After expansion</th><th>Capacity of proposed technology</th></tr>
<tr><td>1</td><td>APCD</td><td>Spark arrester followed by Pulse jet bag filter with Offline cleaning technology</td><td>--</td></tr>
<tr><td>2</td><td>STP</td><td>MBBR technology</td><td>16 KLD</td></tr>
</table>
</td></tr>
<tr><td>12</td><td>Plot Area Details</td><td>
<table>
<tr><th>S.no.</th><th>Particulars</th><th>Sqm</th></tr>
<tr><td>1.</td><td>STP Area</td><td>31.49</td></tr>
<tr><td>2.</td><td>Passages area</td><td>2436.84</td></tr>
<tr><td>3.</td><td>SUB Station Unit area</td><td>895.21</td></tr>
<tr><td>4.</td><td>New office Cum lab area</td><td>481.88</td></tr>
<tr><td>5.</td><td>Rolling Shed area</td><td>5869.42</td></tr>
<tr><td>6.</td><td>Loading-Unloading shed area</td><td>3645.88</td></tr>
<tr><td>7.</td><td>Steel melting shop (Furnace and CCM unit)</td><td>4936</td></tr>
<tr><td>8.</td><td>Vehicle parking area</td><td>389.35</td></tr>
<tr><td>9.</td><td>Chimney area</td><td>690.26</td></tr>
<tr><td>10.</td><td>R.H.F. Chimney area</td><td>1131.37</td></tr>
<tr><td>11.</td><td>Sludge Area</td><td>21.64</td></tr>
</table>
</td></tr>
</table>

	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)	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. As per the status report furnished by Punjab Pollution Control Board site of the project meets with the general siting criteria.
14	Details of valid consent to operate under Air & Water Act	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
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	No

so, details there of shall also be included.

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					
S. 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 m3/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	ID fan of 1,20,000 m3/hr capacity attached with 250 kw electric motor

					having 1014 bags of sizes 150 mm dia and 4250 mm in Height	
	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 m3/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		

<table>
<tr><td>25</td><td>Breakup of Water Requirements & its source in Operation Phase:</td><td>Sources of water:
<table>
<tr><th>S. No.</th><th>Purposes</th><th>Source of water</th></tr>
<tr><td>1.</td><td>Domestic</td><td>Ground water</td></tr>
<tr><td>2.</td><td>Make-up water demand for cooling</td><td>Treated water</td></tr>
<tr><td>4.</td><td>Green area water demand</td><td>Treated water</td></tr>
</table>
*Permission for abstraction of 71 KLD of ground water has been obtained from PWRDA.</td></tr>
<tr><td>26</td><td colspan="2">Water balance chart for Summer, Rainy and Winter seasons as under:
Submitted.
<table>
<tr><th>Description</th><th>Existing (KLD)</th><th>Proposed (KLD)</th><th>Total (KLD)</th></tr>
<tr><td>Domestic</td><td>6.5</td><td>4.5</td><td>11</td></tr>
<tr><td>Cooling (makeup water)</td><td>20</td><td>40</td><td>60</td></tr>
<tr><td>Total</td><td>26.5 KLD</td><td>44.5 KLD</td><td>71 KLD</td></tr>
<tr><td colspan="4">Green area water demand</td></tr>
<tr><td>Summer (KLD)</td><td colspan="2">Winter (KLD)</td><td>Rainy (KLD)</td></tr>
<tr><td>65</td><td colspan="2">21</td><td>6.0</td></tr>
</table></td></tr>
<tr><td>27</td><td>Rain Water Harvesting proposal (within/outside premises) along with NOC from concerned village Sarpanch (Submitted/Not Submitted)</td><td>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.
Inside: - A tank of 17 KLD is proposed for inside rain water harvesting using roof top of the project site.</td></tr>
<tr><td>28</td><td>Block wise details of no. of trees to be planted in proposed greenbelt area (1500 Trees to be planted @ 10000 Sqm area):</td><td>Area allocation for green belt: 33.31% i.e., 11728.27 m^2 of total area (35203.0 m^2) 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.
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.
<table>
<tr><th>Sr. no.</th><th>Type of species</th><th>No. of tress</th><th>Per unit cost</th></tr>
<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>
</table></td></tr>
</table>

<table>
<tr><td></td><td></td><td>

Selection of plant species: Existing tree species are Pilkin, Kachnar, Kaner, Gulmohar, Goolar, Arjun, Baheda, Simbal, Banyan, Peepal, Drek, Silver Oak will be planted.
Action plan & estimated budgetary allocation for proposed green belt development:

Rs. 10. Lakhs under EMP cost.

</td></tr>
<tr><td>29</td><td>a. Energy requirements & savings:

b. Energy saving measures to be adopted within industry:</td><td>a. The details of the energy are given below:
<table>
<tr><th>S. No.</th><th>Description</th><th>Unit</th><th>Existing</th><th>Proposed</th><th>Total</th></tr>
<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>
</table>
Indicate the Energy saving measures like use of solar energy etc.
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 %</td></tr>
<tr><td>30</td><td>a. EMP Budget details

b. Details of Environment Management Cell (EMC) responsible for implementation of EMP</td><td>a. EMP budget details:
<table>
<tr><th>S. No</th><th>Title</th><th>Capital Cost Rs. Lakh</th><th>Recurring Cost Rs. Lakh</th></tr>
<tr><td>1.</td><td>Pollution Control during construction stage</td><td>7.0</td><td>---</td></tr>
<tr><td>2.</td><td>Air Pollution Control (Installation of APCD)</td><td>180</td><td>50</td></tr>
<tr><td>3.</td><td>Water pollution Control (installation of STP @ 16 KLD)</td><td>10.0</td><td>40</td></tr>
<tr><td>4.</td><td>Green Belt development</td><td>10</td><td>10 (for three years)</td></tr>
<tr><td>5.</td><td>Noise Pollution Control</td><td>1.5</td><td>2.0</td></tr>
<tr><td>6.</td><td>Solid/ Hazardous Waste Management</td><td>5.0</td><td>0.5</td></tr>
<tr><td>7.</td><td>Environment Monitoring and Management</td><td>5.0</td><td>4.0</td></tr>
</table>
</td></tr>
</table>

		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**

b. A duly constituted EMC comprises the following:
1. Owner/ Director
2. GM (Works)
3. Environment Consultant

31 **Issues raised during Public Hearing**

S.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 drams, 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 Kl/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 Singh (Sarpanch) Village- Khingra Choe, Bhogpur, Jalandhar	With the launch of this project and its inception, the ground water will not be polluted and disturbed the underground water table.	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 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.	As no water is used in the process, no waste 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. PM_{10} and $PM_{2.5}$ in reference to PM emission, and SO_2 and NOx in reference to SO_2 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 m^3 shall be adopted to recharge the water @ 49,700 m^3/annum. As an additional safety measure, the stream carrying waste water of the village shall be diverted in one corner of Phytorid 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**

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; PM_{10}, SO_2, 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 ElA/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.

Item No. 216.05: 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, Amloh Road, Mandi Gobindgarh, District Fatehgarh Sahib, Punjab by M/s Behari Lal Ispat Private Limited (Proposal No. SIA/PB/IND/256646/2022).

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 undertake that the information given in the application are true to the best of his knowledge & belief and no facts have been concealed thereof. Further, he is aware that in case, if any information submitted was 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

Deliberations during 216th meeting of SEAC held on 14.03.2022.

The meeting was attended by the following:

1. Jagjit Singh, General Manager, M/s Behair 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, Amloh 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 from 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.

Item no. 216.06: Application for Environmental Clearance under EIA notification dated 14.09.2006 for the establishment of group housing Project namely "Sheesh Mahal Sky Line" at Pocket- A of the already developed residential colony namely Sheesh Mahal, Dab wali Road, Bathinda, (Punjab) by M/s Sheesh Mahal Developers Limited, (SIA/PB/MIS/253518/2022).

The project proponent has filed an application for the establishment of group housing Project namely "Sheesh Mahal Sky Line" at Pocket- A of the already developed residential colony namely Sheesh Mahal, Dab wali Road, Bathinda, (Punjab) with total project area 12556.580 Sqm and proposed built up area of 40569.997 Sqm. Project is covered under Activity 8(a) & Category 'B2' as per EIA notification-2006.

The Project Proponent has proposed to construct the residential group housing project in pocket A of the existing residential colony Sheesh Mahal which has already been established on Dabwali road, Bathinda, Punjab in 43.11 acres of land. The permission for CLU for the total land area of 43.11 acres of Village Haziratan and Patti Jhuti for residential purpose from industrial in the Master Plan of the Bathinda Town has been accorded by Department of Housing & Urban Development vide its letter No. 4740/SP-432 dated 25.08.2005. The existing colony has residential plots, commercial plots, site for sports. Now, there is planning to construct residential group housing project in the township in an area of 3.10 acres (12556.580 sqm).

The project proponent submitted the Form I, 1A and other additional documents. The Project Proponent has submitted copy of layout plan approved from Municipal Town Planner, Municipal Corporation Bathinda approved vide file No. 7095 dated 17.12.2021.

The cost of the project is Rs. 39.64 Cr. The Project Proponent has deposited the processing fee amounting to Rs.81,140/- through NEFT No. PUNBH22024182758 dated 24.01.2022, as verified by supporting staff SEIAA.

The Project Proponent undertake that the information given in the application are true to the best of his knowledge & belief and no facts have been concealed thereof. Further, he is aware that in case, if any information submitted was 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 Project Proponent undertake that the information given in the application are true to the best of his knowledge & belief and no facts have been concealed thereof. Further, he is aware that in case, if any information submitted was 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 07.02.2022.

Punjab Pollution Control Board vide letter no. 681-84 dated 22.02.2022 has sent the latest construction status report with details as under:

The site was visited by EE along with AEE of Regional Office, Bathinda on 21.02.2022 and observed that the proposed site was earlier a part of existing residential colony namely M/s Sheesh Mahal Enclave, developed by the project proponent in an area of 43.11 acres, which has been granted consents to operate under the provisions of the Water Act, 1974 & Air Act, 1981 and the same are vail up to 30.09.2023. the project proponent had earlier proposed to develop commercial activities in the proposed area i.e. 3.10 area and now a group housing project have been proposed in this piece of land. The point wise reply of the desired report is as under: -

Sr. No.	**Description**	**Reply**
1.	Construction status of the proposed project. Please end the clear-cut report as to whether construction has been started for the project except securing the land.	The project proponent has not started the construction work at the proposed 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.	Detail of physical structures within 500 mtr. Radius of the proposed site: - 1. The boundary of New Focal Point, Dabwali Road, Bathinda (nearest corner) exists at a distance of 78 mtrs., however water works has been constructed at the nearest corner of the proposed site, whereas nearest air polluting industry in the said focal point exists at a distance of more than 100 mtrs. From the proposed site. 2. An industry under green category namely M/s Amar Soap Factory falls within 100m from the proposed site. 3. No drain, river, eco-sensitive criteria for setting up of such type of projects.
3.	Whether the site is meeting the prescribed criteria for setting up of such type of projects. Please send a clear-cut recommendation.	Site is meeting with prescribed criterial for setting up of such type of projects.

Deliberations during 215th meeting of SEAC held on 23.02.2022.

The meeting was attended by the following:

1. Mr. Tarun Bahal, General Manager on the behalf of Project Proponent.
2. Dr. Sandeep Garg, EIA Coordinator, M/s Eco laboratories Pvt Ltd.
3. 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:

<table>
<tr><th>S. No.</th><th>Description</th><th>Details</th></tr>
<tr><td>1.</td><td>Name & Location of the project</td><td>Group Housing project namely “Sheesh Mahal Skyline” to be developed in pocket A of the existing residential colony namely “Sheesh Mahal” already established on Dabwali road, Bhatinda, Punjab by M/s Sheesh Mahal Developers Ltd.</td></tr>
<tr><td>2.</td><td>Project/activity covered under item of scheduled to the EIA Notification,14.09.2006</td><td>The project falls under S.No. 8(a) - ‘Building & Construction Project’ as the built-up area of the project is 40,569.997 sq.m.</td></tr>
<tr><td>3.</td><td>Copy of the Master plan duly marked with the project site</td><td>The project falls in Residential zone as per Proposed Landuse Plan of Bhatinda. However, change in land use was issued by Department of Housing & Urban Development vide its letter no. 4740/SP 432 dated 25.08.2005.</td></tr>
<tr><td>4.</td><td colspan="2">Details as per CLU certificate like Khasra no., Project area
<table>
<tr><td>Khasra No.</td><td>Area details (In Sqm)</td><td>Ownership/Lease</td></tr>
<tr><td>3852/2, 3829, 3852/4, 3830, 3856, 3851, 3851, 3850, 3831, etc.</td><td>12,556.580 sq.m. (or 3.10 acres).</td><td>M/s Sheesh Mahal Developers Ltd.</td></tr>
</table></td></tr>
<tr><td>5.</td><td>Copy of Memorandum of Article & Association/partnership deed /undertaking of sole proprietorship/list of Directors and names of other persons responsible for managing the day-to-day affairs of the project.</td><td>List of directors, MOA of M/s Sheesh Mahal Developers Ltd. submitted.</td></tr>
</table>

6.	Whether the proposal involves approval/clearance under the Forest (Conservation)Act,1980	No, self-declaration in this regard has been submitted.
7.	Does the project cover under PLPA, 1900	No
8.	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. a. Status of clearance from the National Board for Wild Life (NBWL)	No, Eco-sensitive area/ National park/ Wild Life Sanctuary falls within 10 km of the project site.
9.	Detail of various components	

S.no.	Description	Particulars	unit
1.	Total Plot area (3.10 acres)	12,556.580	sq.m.
2.	**Built-up Area**	**40,569.997**	sq.m.
3.	Proposed Landscape Area	2,455.505	sq.m.
4.	Expected Population	1,016 (180 dwelling units @ 5 persons/unit & Floating population @ 10 % of residential population + for commercial area 78.028 sqm @ 3 sqm/person)	Persons
5.	Total Water Requirement	127 (Residential @ 135 lpcd & floating population @ 45 lpcd)	KLD
6.	Freshwater requirement	84	KLD
7.	Wastewater Generation	102	KLD
8.	Existing common STP capacity within residential colony Sheesh Mahal	Already installed common STP within residential colony Sheesh Mahal of capacity 1350 KLD	KLD
9.	Treated Water Available for Reuse	100	KLD
10.	Recycled Water	Flushing: 43 (@ 45 lpcd for residential population & 20 lpcd for floating population) Landscaping in Summer:14 Landscaping in Winter: 4 Landscaping in Monsoon:1	KLD
11.	Surplus treated water	Summer: 43 Winter: 53	KLD

			Monsoon: 56	
	12.	Rain Water Harvesting Potential	134	m^3/hr
	13.	Proposed Parking	397	ECS
	14.	Municipal Solid Waste Generation	383 (@ 0.4 kg/capita/day for residential & @ 0.2 kg/capita/day for floating population)	kg/day

10. Breakup of Water Requirements &source in Operation Phase (Summer, Rainy, Winter):

S.No.	Season	Freshwater	Reuse water			Total (KLD)
		Domestic (KLD)	Flushing (KLD)	Green area (KLD)	HVAC (KLD)	
1.	Summer	84	43	14	0	141
2.	Winter	84	43	4	0	131
3.	Rainy	84	43	1	0	128

S.No.	Description	Source of water
1.	Domestic	Borewell & canal supply
2.	Flushing purposes	Treated water
3.	Green area	Treated water

11.	Details of acknowledgement of application filed to CGWA /Competent Authority for obtaining permission for abstraction of ground water	Water supply will be provided from Canal supply & one existing borewell located at adjoining residential plotted project namely "Ganpati Enclave" & Ganpati Enclave Phase-I". Permission from PWRDA has been obtained in the name of residential project "Ganpati Enclave" & Ganpati Enclave Phase-I" for abstraction of 268 KLD of ground water. A copy of agreement executed between M/s Ganpati Estates & M/s Sheesh Mahal Developers Limited and Executive Engineer, Bathinda Canal Division, Bathinda submitted. Further, a copy of MOU executed between M/s Ganpati Estates & M/s Sheesh Mahal Developers Limited, however, it has not been mentioned that the water demand of the colony to be developed by the latter shall be met through borewell located in the housing project of the former company.

<table>
<tr><td>12.</td><td>Details of Wastewater generation, Treatment facility & its Disposal arrangements in Operation Phase and if waster water being disposed in MC sewer then also mention the details of NOC from competent authority</td><td>During Operation Phase, total wastewater generation will be 102 KLD which will be treated in already installed STP of 1350 KLD capacity in residential colony Sheesh Mahal.
The details of the breakup of the utilization of wastewater is as under: -
<table><tr><th>Season</th><th>Flushing (KLD)</th><th>Green area (KLD)</th><th>Excess Disposal* (KLD)</th></tr><tr><td>Summer</td><td>43</td><td>14</td><td>43</td></tr><tr><td>Winter</td><td>43</td><td>1</td><td>53</td></tr><tr><td>Monsoon</td><td>43</td><td>1</td><td>56</td></tr></table>* Remaining to be utilized for green area of residential colony Sheesh Mahal and excess is discharged to MC sewer.</td></tr>
<tr><td>13.</td><td>Details of Rainwater recharging/ Harvesting (m^3/hr) proposal & technology proposed to be adopted</td><td>Ground water recharging will be done by provisions of rain water recharging pits so as to compensate the abstraction of ground water. 3 rain water recharging pits are proposed.</td></tr>
<tr><td>14.</td><td>Details of Solid waste generation (Qty), treatment facility and its disposal arrangement</td><td>During Operation Phase, about 383 kg/day (@ 0.4 kg/capita/day for residential and @ 0.2 kg/capita/day for floating) of solid waste will be generated. The solid waste shall be duly segregated into biodegradable and non-biodegradable components. A separate area has already been earmarked for segregation of solid waste in the layout plan. Biodegradable waste will be composted by use of one Mechanical Composter of 200 kg.</td></tr>
<tr><td>15.</td><td>Detail of DG sets</td><td><table><tr><th>S. No.</th><th>Description</th><th>Unit</th><th>Proposed</th></tr><tr><td>1.</td><td>Power load</td><td>KVA</td><td>1,440</td></tr></table>Total 2 DG sets of overall capacity of 500 KVA (i.e. 2 DG sets of capacity 250 KVA each) will be installed as power back up for standby use for emergency purposes.</td></tr>
<tr><td>16.</td><td>Air pollution control device details</td><td>DG set shall be with in-built acoustic enclosure as approved by CPCB and conforming to MoEF Notification.</td></tr>
<tr><td>17.</td><td>Energy Requirements
& Saving</td><td>Use of LEDs are proposed in all common areas and the residents shall be educated about the huge savings in their electricity bills, if they use the LED.
solar panels have been proposed on the roof top of the towers. The total area covered by solar panels will be 1,107.93 sq.m. which is @ 30% of roof top area which will generate 92.3 KW of power generation.</td></tr>
</table>

18. Details of Environmental Management Plan

Sr. No	Environmental Protection Measures	Capital Cost Rs. Lakh	Recurring Cost Rs. Lakh
1.	Construction Phase	64	9
2.	Operational Phase	-	9.5

EMP budget details during construction phase is given below:

S.No.	Title	Capital Cost (in Lakhs)	Recurring Cost (in Lakhs per Annum)
1.	Air Pollution Control (tarpaulin sheets/ barricading, water sprinklers, etc.)	5	0.5
2.	Water Pollution Control	2	1
3.	Noise Pollution Control	1	0.5
4.	Landscaping	1	0.5
5.	Solid Waste Management (Mechanical composter of 200 kg)	10	1.5
6.	Rain water Recharging (3 pits)	6	1
7.	Energy Conservation (LED lights in common areas, solar panels, etc.)	30	2
8.	Miscellaneous (Appointment of Consultants & Management of Environment Cell)	9	2
Total		**64 Lakhs**	**9 Lakhs**

EMP budget details during operation phase is given below:

S.No.	Title	Recurring Cost (in Lakhs per Annum)
1.	Air Pollution Control (tarpaulin sheets/ barricading, water sprinklers, etc.)	0.5
2.	Water Pollution Control	1
3.	Noise Pollution Control	0.5
4.	Landscaping	1.5

	5.	Solid Waste Management (Mechanical composter of 200 kg)	1
	6.	Rain water Recharging (3 pits)	1
	7.	Energy Conservation (LED lights in common areas, solar panels, etc.)	2
	8.	Miscellaneous (Appointment of Consultants & Management of Environment Cell)	2
	Total		**9.5 Lakhs**

19.	a. Details of Corporate Environmental Responsibility (CER) indicating various activities to be undertaken as per the provision of OM dated 01.05.2018 b. Details of NOC from the village Sarpanch, Certificate from the School Principal & concerned Govt. Departments etc.	M/s Sheesh Mahal Developers will be responsible for implementation of CER (Corporate Environmental Responsibility) as well as Environment Management Plan (EMP) till the project is handed over. Rs. 1.5 crores will be spent on CER activity by providing 51 nos. of flats to weaker sections.
20.	Details of green belt development shall include following: a) No. of tree to be planted against the requisite norms. b) Percentage of the area to be developed.	a) Trees required = @1 Tree per 80 sq.m. of plot area = 12,556.580 / 80 = 157 trees Trees proposed = 160 trees will be planted b) Total organized green area measures 2455.505 sq.m. i.e. 19.56% of the total plot area which area will be covered under parks within the project premises.

During meeting, the Committee examined the proposal and observed that the proposed group housing project shall be established in the pocket of 3.1 acres in the residential colony namely "Sheesh Mahal" already developed by M/s Sheesh Mahal Developers Limited in the total land area of 43.11 acres. The Committee asked the Project Proponent that as to whether the promoter company M/s Sheesh Mahal Developers Limited has obtained Environmental Clearance for the residential plotted colony of 43.11 acres or not. The Project Proponent informed the Committee that public hearing for the said project was held on 18.07.2006 however, no Environmental Clearance was issued to the said project. The Committee was not satisfied with the reply given by the Project Proponent.

The Committee further observed that the water demand of the residential colony shall be met through canal water as well as through borewell already installed at the adjoining residential colony developed by M/s Ganpati Estates. The Committee asked the Project Proponent to submit the details of water consumption to be met through borewell or through canal water for the proposed project as well as for M/s Ganpati Estates and M/s Sheesh Mahal Developers Limited based on their occupancy. The Project Proponent agreed to provide the said details.

The Committee examined the proposal for discharge of excess treated wastewater into MC sewer and observed that the promoter company has not obtain latest permission for discharging the treated wastewater likely to be generated from group housing project from the competent authority.

The Committee further observed that the capital as well as recurring cost of EMP proposed for development of green belt is on lower side. The Committee asked the Project Proponent to revise the same.

After detailed deliberations, SEAC decided to defer the case till the Project Proponent submit the reply of the below mentioned observations:

1. The Project Proponent shall submit the reply for not obtaining the Environmental Clearance for the residential project namely "Sheesh Mahal" developed by M/s Sheesh Mahal Developers Limited.
2. The Project Proponent shall submit the details of water consumption to be met through borewell or through canal water for the proposed project as well as for M/s Ganpati Estates and M/s Sheesh Mahal Developers Limited based on their occupancy.
3. The Project Proponent shall submit latest permission for discharge of treated wastewater into MC sewer.
4. The Project Proponent shall submit the revised EMP after incorporating the capital and recurring cost for green area development.

Deliberations during 216th meeting of SEAC held on 14.03.2022.

The meeting was attended by the following:

1. Mr. K.M Gupta, Licensing Head, on behalf of the Project Proponent.
2. Dr. Sandeep Garg, EIA Coordinator, M/s Eco laboratories Pvt Ltd.
3. Mrs. Simranjit Kaur, EIA Coordinator, M/s Eco laboratories Pvt. Ltd.

During meeting, the project proponent presented the reply of the observations raised by the Committee, which is as under:

<table>
<tr><th>S. No.</th><th>Detail of the Document</th><th>Reply</th></tr>
<tr><td>1.</td><td>The Project Proponent shall submit the reply for not obtaining the Environmental Clearance for the residential project namely “Sheesh Mahal” developed by M/s Sheesh Mahal Developers Limited.</td><td>The application for Environmental Clearance of Residential plotted project namely “Sheesh Mahal” was filed to Ministry of Environment & Forest, New Delhi as per EIA Notification, 1994 for proposed development in 43.11 acres of land. Further, Public hearing was also conducted on 18.07.2006 by Punjab Pollution Control Board. After hearing, proceedings were forwarded to Secretary, Govt. of India, Ministry of Environment & Forest, New Delhi for further consideration. Copy of letter from PPCB in this regard submitted.
In the meanwhile, EIA Notification, 2006 dated 14.09.2006 was issued by the MoEF, wherein it was stated that residential projects having plot area less than 50 hectares does not require Environmental Clearance. In the light of this notification, our adjoining residential plotted project namely “Ganpati Enclave” having an area of 23.64 hectares was returned from MoEF stating that plot area less than 50 hectares does not require prior Environmental Clearance. Copy of letter from MoEF w.r.t. Ganpati Enclave submitted. Thus, residential plotted project namely “Sheesh Mahal” of 43.11 acres (17.44 Hectare) which is less than 50 hectares does not require Environmental Clearance.</td></tr>
<tr><td>2.</td><td>The Project Proponent shall submit the details of water consumption to be met through borewell or through canal water for the proposed project as well as for M/s
Ganpati Estates and M/s Sheesh Mahal Developers Limited based on their occupancy.</td><td>Overall water requirement for plotted colony projects namely “Ganpati Enclave & Ganpati Enclave Phase-1” & “Sheesh Mahal” including group housing project “Sheesh Mahal Skyline” is 1060 KLD. Out of 1060 KLD, 268 KLD will be obtained from borewell for which permission has already been obtained from PWRDA. Copy of grant certificate from PWRDA submitted. Remaining 792 KLD will be taken from canal supply. Agreement executed for canal water supply submitted.</td></tr>
<tr><td>3.</td><td>The Project Proponent shall submit latest permission for discharge of treated wastewater into MC sewer.</td><td>Due to transfer of Commissioner, post is vacant and new Commissioner will be appointed after results of election. Later on, permission for discharge of treated wastewater into MC sewer will be obtained and submitted. Further, it is to assure you that copy of the same will be submitted prior to SEIAA, Punjab meeting. Undertaking in this regard submitted.</td></tr>
<tr><td>4.</td><td>The Project Proponent shall submit the revised EMP after incorporating the capital and recurring cost for green area development.</td><td>Revised Environmental Management Plan during construction & operation phase is as under.
<table>
<tr><th>Sr. No.</th><th>Title</th><th colspan="2">Construction Phase</th><th>Operation Phase</th></tr>
<tr><td></td><td></td><td>Capital Cost (In Lakhs</td><td>Recuring Cost (In Lacks per annum)</td><td>Recurring Cost (In Lacs per annum)</td></tr>
</table></td></tr>
</table>

		1.	Air Pollution Control (Tarpaulin Sheets/barricading, water sprinklers, etc.)	5	0.5	0.5
		2.	Water pollution Control	2	1	1
		3.	Noise Pollution Control	1	0.5	0.5
		4.	Landscaping	2	3 (for 3 years)	2
		5.	Solid Waste Management (Mechanical Composter of 200 kg)	10	1.5	1
		6.	Rain water Recharging (3 pits)	6	1	1
		7.	Energy Conservation (LED lights in common areas, solar panels, etc.)	30	2	2
		8.	Miscellaneous (Appointment of Consultants & Management of Environment Cell)	9	2	2
		Total		**65 Lacs**	**11.5 Lacs**	**10 Lacs**

The Committee after careful perusal of the reply has asked the Project Proponent to submit the details of built-up area based on actual and as well as on per permissible FAR of the various components already constructed/to be constructed within the residential plotted project of "Sheesh Mahal". Further, the permission for discharge of excess treated waste water into MC, sewer to be provided from MC, Jalandhar.

After detailed deliberations, SEAC decided to defer the case till the reply of the below mentioned observations.

1. The Project Proponent shall submit the details of built-up area based on actual and as well as on per permissible FAR of the various components already constructed/to be constructed within the residential plotted project of "Sheesh Mahal"
2. The Project Proponent shall submit the permission for discharge of excess treated waste water into sewer from MC, Jalandhar.

Item No. 216.07: 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).

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 undertake that the information given in the application are true to the best of his knowledge & belief and no facts have been concealed thereof. Further, he is aware that in case, if any information submitted was 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.*

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 on behalf 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	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).

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.

9. Cost of the project

49 Crore

Existing	Proposed	Total
45 Cr	4 Cr	49 Cr

10 Total Plot area, Built up Area and Green area

Existing		Proposed	Total
Land	8096.65 Sqm	---	8096.65 Sqm
Built-up area	25488.0 Sqm	4404 Sqm	29892 Sqm
Flats	150No	19 No	169 No
Green Area	1216 Sqm	--	1216 Sqm

11 Configuration Details:

Sr. No.	Blocks	Configuration	Existing No. of flats	Increase as per expansion	Total no. of flats	Built up area in Sqft.	Type of flat
1.	Block A	Stilt+ 12/13	40	11	51	68287.592	3 BHK
2.	Block B	Stilt + 12/14	44	08	52	72075.642	3 BHK
3.	Block C	Stilt + 11	66		66	94849.380	3 BHK
4.	Block D	G+2 Floor	5		5	4556.915	Commercial Pocket
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: • 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 sq.m of plot area = 8096.65 / 80 = 102 trees Proposed Tree = 135 trees
18	Environment Management Plan along with Budgetary break up phase wise and	During construction phase Partner will be responsible and during operation phase, Partner Will be responsible for implementation of the EMP.

	responsibility to implement	**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**

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 Nothern 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 Taffazalpura, ODR Northern Bye-Pass Road, Tehsil & District Patiala, Punjab, subject to the following special conditions along with other standard conditions: -

Special Condition:

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 sq.m 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 confirm to the suitability as prescribed under the provisions laid down under the master plan of respective city/ town. For that, the project proponent shall 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, murram and other construction materials prone to causing dust pollution at the site as well as taking out debris from the site.

vi) No Excavation of soil shall be carried out without adequate dust mitigation measures in place.

vii) No loose soil or sand or construction 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 lndia 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. 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.

Item No. 216.08: 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).

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 started/*	*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 19/07/2021*

	installed for the project except securing the land.	*valid upto 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.*	*The following industries falls within the radius of 500 mtr from the site of the industry:* *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 Metails & 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* *Also, Sirhind Choe (which finally leads rives Ghaggar is located within the radius of 500 mtr form the site of the industry.*
3.	*Whether the site is meeting the prescribed criteria for setting up of such type of projects.*	*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*

	Please send the clear-cut recommendation.	*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.*

Deliberations during 216th meeting of SEAC held on 14.02.2022.
The meeting was attended by the following:

1. Rakesh Kumar Bansal on behalf of the Project Proponent.
2. Dr. Sandeep Garg, EIA Coordinator, M/s Eco laboratories Pvt Ltd.
3. 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:

<table>
<tr><th>S. No.</th><th>Item No.</th><th>Details</th></tr>
<tr><td>1.</td><td>Name of Project & its location</td><td>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</td></tr>
<tr><td>2.</td><td>Category/Activity</td><td>Schedule: 3(a): Metallurgical Industries (ferrous & non-ferrous)
Category: B-1</td></tr>
<tr><td>3.</td><td>Whether the project falls in critical polluted area notified by MoEF&CC/ CPCB.</td><td>No, the project is not located in critically polluted area as notified by MoEF&CC/ CPCB.</td></tr>
<tr><td>4.</td><td>a. Total Project Cost

b. Total project cost breakup at current price level</td><td>a. Total Project Cost is given below:
Existing project cost: Rs. 7.50 Crores
Proposed: 36.05 Crores
After expansion: Rs. 43.56 Crores
b. The break-up of the project cost is given as under:
<table><tr><th>S. No.</th><th>Description</th><th>Existing cost (Rs. in</th><th>Proposed Cost (Rs. in Lakhs)</th><th>Total cost after expansion</th></tr></table></td></tr>
</table>

			Lakhs.)		**(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
		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.	**S. 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 sq.m.)**
		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 sq.m. (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	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.

					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.	

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 • 1 × 7 TPH • 2 × 20 TPH	Electricity	• Side Suction Hood followed by Pulse Jet Bag Filter of capacity 36,000 CMH • 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 catagory	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 • Summer season • Winter season • Monsoon season	 • 4 • 1 • 0.5	 • 35 • 11.5 • 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

<table>
<tr><td></td><td></td><td>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.</td></tr>
<tr><td>23.</td><td>Rain Water Harvesting proposal (within/outside premises) along with NOC from concerned village Sarpanch</td><td>Within project premises: 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.
Outside project premises: 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.</td></tr>
<tr><td>24.</td><td colspan="2">Block wise details of no. of trees to be planted in proposed greenbelt area (1500 trees to be planted @ 1000 sq.m area):
The blockwise green area and no. of trees panted are given below:
<table>
<tr><th>S. No.</th><th>Block</th><th>Green area (in sq.ft.)</th><th>No. of trees</th></tr>
<tr><td>1.</td><td>Block A</td><td>5,696</td><td>79</td></tr>
<tr><td>2.</td><td>Block B</td><td>8,850</td><td>123</td></tr>
<tr><td>3.</td><td>Block C</td><td>17,630</td><td>245</td></tr>
<tr><td>4.</td><td>Block D</td><td>5,800</td><td>800</td></tr>
<tr><td>5.</td><td>Block E</td><td>7,835</td><td>109</td></tr>
<tr><td>6.</td><td>Block F</td><td>20,871</td><td>290</td></tr>
<tr><td>7.</td><td>Block G</td><td>700</td><td>9</td></tr>
<tr><td>8.</td><td>Block H</td><td>1,918</td><td>28</td></tr>
<tr><td colspan="2">Total</td><td>69,300</td><td>963</td></tr>
</table></td></tr>
<tr><td>25.</td><td>a. Energy requirements & savings.

b. Energy saving measures to be adopted within industry:</td><td>a. The energy requirement details are given below:
<table>
<tr><th>Description</th><th>Unit</th><th>Existing</th><th>Proposed</th><th>After Expansion</th></tr>
<tr><td>Power load</td><td>KVA</td><td>3,995</td><td>13,005</td><td>17,000</td></tr>
</table>
b. <u>Energy Saving measures to be adopted</u>:
• 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.</td></tr>
</table>

25.	EMP Budget derails:	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
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 Condition:

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. PM_{10} and $PM_{2.5}$ in reference to PM emission, and SO_2 and NOx in reference to SO_2 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 m^3 shall be adopted to recharge the water @ 9,107 m^3/annum. As an additional safety measure, the stream carrying waste water of the village shall be diverted in one corner of Phytorid 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 sq.m (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:

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
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**

***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

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.

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.

iv. The project proponent shall monitor the criteria pollutants level namely; PM_{10}, SO_2, 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.

Annexure-A

Date.....14/2/2022

— AFFINITY —
BELGRAVIA
Life! Styled for you.

To

Divisional Forest Officer,
District – Mohali,
Punjab.

Sub - Permission to construct approach road on Zirakpur – Patiala Road on NH No – 07 (Old NH - 64) at Km - 338. 590 (R.H.S) for proposed access to proposed Commercial / Residential project of M/S Affinity Buildtech Village - Chhat, Tehsil - Zirakpur, Distt - S.A.S Nagar Mohali (PB) at KM - 338. 590 (RHS).

Sir,

We at M/S Affinity Buildtech Submitting a fresh case for permission to construct approach road on the forest land for proposed access to proposed Commercial/ Residential Project On NH – 07 (OLD NH- 64) on ZIrakpur –Patiala Road at Village - Chhat, Tehsil - Zirakpur, Distt - S.A.S Nagar Mohali (PB) at Km - 338. 590 (RHS).

In this regard, it is kindly requested to grant us permission if there is no forest land and please provide us the details for project implementation, if service road is on forest land,. Please find detailed documents and plan on the same

Submitted with Thanks,

IF CA
17/2/2022

Yours Sincerely,

(Rahul Bansal)
Authorized Signatory

3553
17/2/2022

ਜਮਾਂਬੰਦੀ– 2018-2019 ਪਿੰਡ– ਛੱਤ ਹੱਦਬਸਤ ਨੰ:– 286 ਤਹਿਸੀਲ– ਨੀਰਨਪੁਰ ਜ਼ਿਲਾ– ਐਸ. ਏ. ਐਸ. ਨਗਰ

1	2	3	4	5	6	7	8
ਖੇਵਟ ਨੰ:/ ਮਾਲ/ਪੱਤੀ, ਨੰਬਰਦਾਰ	ਖਤੌਨੀ ਨੰਬਰ/ ਲਗਾਨ	ਮਾਲਕ ਦਾ ਨਾਂ ਅਤੇ ਵੇਰਵਾ	ਕਾਸ਼ਤਕਾਰ ਦਾ ਨਾਂ ਅਤੇ ਵੇਰਵਾ	ਸਿੰਚਾਈ ਦਾ ਸਾਧਨ	ਮੁਰੱਬਾ ਅਤੇ ਖਸਰਾ ਨੰਬਰ	ਰਕਬਾ ਅਤੇ ਭੌਂ ਦੀ ਕਿਸਮ	ਵਿਸ਼ੇਸ਼ ਕਥਨ
8/ 10 0 (ਪੱਤੀ) ਸੁਸ਼ੀਲ ਤਿਬੜੀ (ਨੰਬਰਦਾਰ) ਜੁਗਿੰਦਰ ਸਿੰਘ ਰਘਬੀਰ ਸਿੰਘ ਕੇਹਰ ਸਿੰਘ ਜਰੇ ਖਰਤ659.00	9	ਕਮਲਾ ਰਾਣੀ ਪਤਨੀ ਵੇਦ ਪਰਕਾਸ ਬਾਸਲ ਪੁੱਤਰ ਹੰਸ ਖੁਦਕਾਸ਼ਤ ਰਾਜ 1/4 ਹਿੱਸਾ ਵਿਜੈ ਲਕਸਮੀ ਪਤਨੀ ਰਵਿੰਦਰ ਕੁਮਾਰ ਪੁੱਤਰ ਹੰਸ ਰਾਜ 1/4 ਹਿੱਸਾ ਵੇਦ ਪਰਕਾਸ ਬਾਸਲ ਪੁੱਤਰ ਹੰਸ ਰਾਜ ਪੁੱਤਰ ਰਾਮ ਲਾਲ 1/4 ਹਿੱਸਾ ਰਵਿੰਦਰ ਕੁਮਾਰ ਪੁੱਤਰ ਹੰਸ ਰਾਜ ਪੁੱਤਰ ਰਾਮ ਲਾਲ 1/4 ਹਿੱਸਾ		ਟਿਊਬਵੈਲ 1045 ਕੁਲ ਕਿੱਤੇ 1 3 ਬਿਗਾ 1 ਬਿਸਵਾ (0 ਹੈਕਟੇਅਰ 25 ਏਅਰ 71.38 ਸੈਂਟੇਅਰ) ਮਜਰੂਆ 3 ਬਿਗਾ 1 ਬਿਸਵਾ (0 ਹੈਕਟੇਅਰ 25 ਏਅਰ 71.38 ਸੈਂਟੇਅਰ) ਬਰਾਨੀ	3-1 (0-25-71.38) ਬਰਾਨੀ 3-1 (0-25-71.38)	ਬਰੁਦੇ ਇੰਤਕਾਲ ਨੰ 3462 ਮਿਤੀ 27/8/2021 ਵਲੇ ਕਮਲਾ ਰਾਣੀ ਪਤਨੀ ਵੇਦ ਪਰਕਾਸ ਬਾਸਲ ਪੁੱਤਰ ਹੰਸ ਰਾਜ 1/4 ਹਿੱਸਾ ਬਾਹੱਕ ਵੇਦ ਪਰਕਾਸ ਬਾਸਲ ਪੁੱਤਰ ਹੰਸ ਰਾਜ ਪੁੱਤਰ ਰਾਮ ਲਾਲ 1/4 ਹਿੱਸਾ ਵਰਾਸਤ ਹੋਇਆ ਇੰਤਕਾਲ ਮੰਜੂਰ ਹੈ ਜੀ ਬਰੁਦੇ ਇੰਤਕਾਲ ਨੰ 3464- ਬਰੁਦੇ ਵਸੀਕਾ ਨੰਬਰ:4981,ਮਿਤੀ:29-07-21 ਮਿਤੀ 27/8/2021 ਵਲੇ ਵਿਜੈ ਲਕਸਮੀ ਪਤਨੀ ਰਵਿੰਦਰ ਕੁਮਾਰ ਪੁੱਤਰ ਹੰਸ ਰਾਜ 37/305 ਹਿੱਸਾ ਵੇਦ ਪਰਕਾਸ ਬਾਸਲ ਪੁੱਤਰ ਹੰਸ ਰਾਜ ਪੁੱਤਰ ਰਾਮ ਲਾਲ 37/305 ਹਿੱਸਾ ਰਵਿੰਦਰ ਕੁਮਾਰ ਪੁੱਤਰ ਹੰਸ ਰਾਜ ਪੁੱਤਰ ਰਾਮ ਲਾਲ 37/305 ਹਿੱਸਾ ਬਾਹੱਕ ਐਫਨਿਟੀ ਬਿਲਡਟੈਕ ਖਸਰਾ ਨੰਬਰ 1045(3-1) ਦਾ 444/1220 ਹਿੱਸਾ ਬੈ ਹੋਇਆ ਇੰਤਕਾਲ ਮੰਜੂਰ ਹੈ ਜੀ

07/02/22

ਕਰਮਚਾਰੀ ਦੇ ਹਸਤਾਖਰ

ਜਮਾਂਬੰਦੀ– 2018 2019 ਪਿੰਡ– ਛੱਤ ਹੱਦਬਸਤ ਨੰ:– 286 ਤਹਿਸੀਲ– ਜੀਰਕਪੁਰ ਜ਼ਿਲਾ– ਐਸ. ਏ. ਐਸ ਨਗਰ

1	2	3	4	5	6	7	8
ਖੇਵਟ ਨੰ:/ ਮਾਲ/ਪੱਤੀ, ਨੰਬਰਦਾਰ	ਖਤੌਨੀ ਨੰਬਰ/ ਲਗਾਨ	ਮਾਲਕ ਦਾ ਨਾਂ ਅਤੇ ਵੇਰਵਾ	ਕਾਸ਼ਤਕਾਰ ਦਾ ਨਾਂ ਅਤੇ ਵੇਰਵਾ	ਸਿੰਚਾਈ ਦਾ ਸਾਧਨ	ਮੁਰੱਬਾ ਅਤੇ ਖਸਰਾ ਨੰਬਰ	ਰਕਬਾ ਅਤੇ ਭੌਂ ਦੀ ਕਿਸਮ	ਵਿਸ਼ੇਸ਼ ਕਥਨ
4/ 6, 4 0 (ਪੱਤੀ) ਸੁਸੀਲ ਤਿਬੜੀ (ਨੰਬਰਦਾਰ) ਜੁਗਿੰਦਰ ਸਿੰਘ ਰਘਬੀਰ ਸਿੰਘ ਕੋਹਰ ਸਿੰਘ ਜਰੇ ਭਰਤ659.00	5	ਮੈਸ. ਹੈਵਨ ਸਿਟੀ ਡਿਵੈਲਪਰਜ ਲਿਮ. 2046/11155 ਹਿੱਸਾ ਮੈਸ. ਸੈਵਨ ਸੀਜ ਰਿਜੋਰਟਸ ਪ੍ਰਾ. ਲਿਮ. 2394/11155 ਹਿੱਸਾ ਮੈਸ. ਸੈਲਫ ਕੇਅਰ ਹੈਲਥ ਰਿਜੋਰਟਸ ਪ੍ਰਾ. ਲਿਮ. 3761/11155 ਹਿੱਸਾ ਕਮਲਾ ਰਾਣੀ ਪਤਨੀ ਵੇਦ ਪਰਕਾਸ ਬਾਸਲ ਪੁੱਤਰ ਹੰਸ ਰਾਜ 3/11155 ਹਿੱਸਾ ਵਿਜੈ ਲਕਸਮੀ ਪਤਨੀ ਰਵਿੰਦਰ ਕੁਮਾਰ ਪੁੱਤਰ ਹੰਸ ਰਾਜ 3/11155 ਹਿੱਸਾ ਵੇਦ ਪਰਕਾਸ ਬਾਸਲ ਪੁੱਤਰ ਹੰਸ ਰਾਜ ਪੁੱਤਰ ਰਾਮ ਲਾਲ 3/11155 ਹਿੱਸਾ ਰਵਿੰਦਰ ਕੁਮਾਰ ਪੁੱਤਰ ਹੰਸ ਰਾਜ ਪੁੱਤਰ ਰਾਮ ਲਾਲ 3/11155 ਹਿੱਸਾ ਪਵਿੰਦਰ ਸਿੰਘ ਮਾਨ ਪੁੱਤਰ ਅਵਤਾਰ ਸਿੰਘ ਪੁੱਤਰ ਹਰਬੰਸ ਸਿੰਘ 533/22310 ਹਿੱਸਾ ਸੁਖਮਿੰਦਰ ਕੌਰ ਪਤਨੀ ਅਮਰੀਕ ਪਾਲ ਸਿੰਘ ਪੁੱਤਰ ਹਰਬੰਸ ਸਿੰਘ 429/11155 ਹਿੱਸਾ ਅਮਰੀਕ ਪਾਲ ਸਿੰਘ ਪੁੱਤਰ ਹਰਬੰਸ ਸਿੰਘ ਪੁੱਤਰ ਸਰਵਨ ਸਿੰਘ 80/2231 ਹਿੱਸਾ ਗੁਰਪਿੰਦਰਜੀਤ ਸਿੰਘ ਬਰਾੜ ਪੁੱਤਰ ਹਾਕਮ ਸਿੰਘ ਪੁੱਤਰ ਮੱਲ ਸਿੰਘ 533/22310 ਹਿੱਸਾ ਨਵਦੀਪ ਸਿੰਘ ਧਾਲੀਵਾਲ ਪੁੱਤਰ ਜਗਜੀਤ ਸਿੰਘ 36/2231 ਹਿੱਸਾ ਚਮਨ ਬਾਸਲ ਪੁੱਤਰ ਹੰਸ ਰਾਜ ਬਾਸਲ ਪੁੱਤਰ ਬਿਹਾਰੀ ਲਾਲ 140/2231 ਹਿੱਸਾ ਸੁਨੀਲ ਬਾਸਲ ਪੁੱਤਰ ਵਿਜੈ ਕੁਮਾਰ ਬਾਸਲ ਪੁੱਤਰ ਲਛਮਨ ਦਾਸ 70/2231 ਹਿੱਸਾ ਦਵਿੰਦਰ ਬਾਸਲ ਪੁੱਤਰ ਵਿਜੈ ਕੁਮਾਰ ਬਾਸਲ ਪੁੱਤਰ ਲਛਮਨ ਦਾਸ 70/2231 ਹਿੱਸਾ	ਖੁਦਕਾਸ਼ਤ	ਟਿਊਬਵੈਲ	1046	4-0 (0-33-72.30) ਚਾਹੀ	ਇੰਤਕਾਲ ਨੰ 2977 ਬੈ 2978 ਬੈ 3005 ਬੈ 3006 ਬੈ 3007 ਬੈ 3008 ਬੈ 3062 ਬੈ 3158 ਬੈ
				ਟਿਊਬਵੈਲ	1049	4-0 (0-33-72.30) ਚਾਹੀ	
				ਟਿਊਬਵੈਲ	1050	0-16 (0-6-74.46) ਚਾਹੀ	
				ਟਿਊਬਵੈਲ	1051	2-10 (0-21-7.69) ਚਾਹੀ	ਬਰੂਏ ਇੰਤਕਾਲ ਨੰ 3462 ਮਿਤੀ 27/8/2021 ਵਲੋ ਕਮਲਾ ਰਾਣੀ ਪਤਨੀ ਵੇਦ ਪਰਕਾਸ ਬਾਸਲ ਪੁੱਤਰ ਹੰਸ ਰਾਜ 3/11155 ਹਿੱਸਾ ਬਾਹੱਕ ਵੇਦ ਪਰਕਾਸ ਬਾਸਲ ਪੁੱਤਰ ਹੰਸ ਰਾਜ ਪੁੱਤਰ ਰਾਮ ਲਾਲ 3/11155 ਹਿੱਸਾ ਵਰਾਸਤ ਹੋਇਆ ਇੰਤਕਾਲ ਮੰਜੂਰ ਹੈ ਜੀ
				ਟਿਊਬਵੈਲ	1060	4-0 (0-33-72.30) ਚਾਹੀ	
				ਟਿਊਬਵੈਲ	1061	4-0 (0-33-72.30) ਚਾਹੀ	ਬਰੂਏ ਇੰਤਕਾਲ ਨੰ 3464 ਬਰੂਏ ਵਸੀਕਾ ਨੰਬਰ:4981,ਮਿਤੀ:29-07-21 ਮਿਤੀ 27/8/2021 ਵਲੋ ਵਿਜੈ ਲਕਸਮੀ ਪਤਨੀ ਰਵਿੰਦਰ ਕੁਮਾਰ ਪੁੱਤਰ ਹੰਸ ਰਾਜ 3/11155 ਹਿੱਸਾ ਵੇਦ ਪਰਕਾਸ ਬਾਸਲ ਪੁੱਤਰ ਹੰਸ ਰਾਜ ਪੁੱਤਰ ਰਾਮ ਲਾਲ 3/11155 ਹਿੱਸਾ ਰਵਿੰਦਰ ਕੁਮਾਰ ਪੁੱਤਰ ਹੰਸ ਰਾਜ ਪੁੱਤਰ ਰਾਮ ਲਾਲ 3/11155 ਹਿੱਸਾ ਨਵਦੀਪ ਸਿੰਘ ਧਾਲੀਵਾਲ ਪੁੱਤਰ ਜਗਜੀਤ ਸਿੰਘ 89/11155 ਹਿੱਸਾ ਬਾਹੱਕ ਐਫਨਿਟੀ ਬਿਲਡਟੈਕ ਸਾਲਮ ਖੇਵਟ ਕਿੱਤੇ 21 ਰਕਬਾ 55-15-10 ਦਾ 98/11155 ਹਿੱਸਾ ਬੈ ਹੋਇਆ ਇੰਤਕਾਲ ਮੰਜੂਰ ਹੈ ਜੀ
				ਟਿਊਬਵੈਲ	1066	4-14 (0-39-62.45) ਚਾਹੀ	
				ਟਿਊਬਵੈਲ	1067	4-0 (0-33-72.30) ਚਾਹੀ	
				ਟਿਊਬਵੈਲ	1068	2-8 (0-20-23.38) ਚਾਹੀ	ਬਰੂਏ ਇੰਤਕਾਲ ਨੰ 3465 ਬਰੂਏ ਵਸੀਕਾ ਨੰਬਰ:4982,ਮਿਤੀ:29-07-21 ਮਿਤੀ 1/9/2021 ਵਲੋ ਮੈਸ. ਸੈਵਨ ਸੀਜ ਰਿਜੋਰਟਸ ਪ੍ਰਾ. ਲਿਮ. 226/2231 ਹਿੱਸਾ ਬਾਹੱਕ ਐਫਨਿਟੀ ਬਿਲਡਟੈਕ ਸਾਲਮ ਖੇਵਟ ਕਿੱਤੇ 21 ਰਕਬਾ 55-15-10 ਦਾ 226/2231 ਹਿੱਸਾ ਬੈ ਹੋਇਆ ਇੰਤਕਾਲ ਮੰਜੂਰ ਹੈ ਜੀ
				ਟਿਊਬਵੈਲ	1069	5-9 (0-45-94.76) ਚਾਹੀ	
				ਟਿਊਬਵੈਲ	1070	4-0 (0-33-72.30) ਚਾਹੀ	ਬਰੂਏ ਇੰਤਕਾਲ ਨੰ 3466 ਬਰੂਏ ਵਸੀਕਾ ਨੰਬਰ:4983,ਮਿਤੀ:29-07-21 ਮਿਤੀ 1/9/2021 ਵਲੋ ਪਵਿੰਦਰ ਸਿੰਘ ਮਾਨ ਪੁੱਤਰ ਅਵਤਾਰ ਸਿੰਘ ਪੁੱਤਰ ਹਰਬੰਸ ਸਿੰਘ 133/11155 ਹਿੱਸਾ ਸੁਖਮਿੰਦਰ ਕੌਰ ਪਤਨੀ ਅਮਰੀਕ ਪਾਲ ਸਿੰਘ ਪੁੱਤਰ ਹਰਬੰਸ ਸਿੰਘ 214/11155 ਹਿੱਸਾ ਅਮਰੀਕ ਪਾਲ ਸਿੰਘ ਪੁੱਤਰ ਹਰਬੰਸ ਸਿੰਘ ਪੁੱਤਰ ਸਰਵਨ ਸਿੰਘ 40/2231 ਹਿੱਸਾ ਗੁਰਪਿੰਦਰਜੀਤ ਸਿੰਘ ਬਰਾੜ ਪੁੱਤਰ ਹਾਕਮ ਸਿੰਘ ਪੁੱਤਰ ਮੱਲ ਸਿੰਘ 133/11155 ਹਿੱਸਾ ਬਾਹੱਕ ਐਫਨਿਟੀ ਬਿਲਡਟੈਕ ਸਾਲਮ ਖੇਵਟ ਕਿੱਤੇ 21 ਰਕਬਾ 55-15-10 ਦਾ 136/2231 ਹਿੱਸਾ ਬੈ ਹੋਇਆ ਇੰਤਕਾਲ ਮੰਜੂਰ ਹੈ ਜੀ
				ਟਿਊਬਵੈਲ	1405/10 71	4-2 (0-34-56.61) ਚਾਹੀ	
				ਟਿਊਬਵੈਲ	1408/10 72	2-0 (0-16-86.15) ਚਾਹੀ	
				ਟਿਊਬਵੈਲ	1409/10 76	2-0 (0-16-86.15) ਚਾਹੀ	ਬਰੂਏ ਇੰਤਕਾਲ ਨੰ 3467

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ਤਹਸੀਲ ਦਫਤਰ-ਜੀਰਕਪੁਰ

ਪ੍ਰਾਜੈਕਸਨ ਨੰ 13677 ਕੁੱਲ ਪਲੋ: 2 ਕੁੱਲ ਫੀਸ: 50 ਕਰਮਚਾਰੀ ਦਾ ਨਾਮ/ਅਹੁਦਾ: Patwari ਕੰਪਿਊਟਰ ਮਾਲ ਰਿਕਾਰਡ ਮੁਤਾਬਿਕ ਨਕਲ ਦਰੁਸਤ ਹੈ।

ਪੰਨਾ 2 ਦਾ 1 ਪ੍ਰਿੰਟਿੰਗ ਮਿਤੀ : 07-02-2022 11:48:04:037 ਸਵੇਰ ਪਟਵਾਰੀ ਵਲੋ ਮਾਲ ਰਿਕਾਰਡ ਮਿਤੀ 27/01/2022 ਤਕ ਕੰਮਪਿਊਟਰ ਵਿਚ ਦਰਜ ਹੈ। ਕਰਮਚਾਰੀ ਦੇ ਹਸਤਾਖਰ

ਜਮਾਂਬੰਦੀ- 2018 2019 ਪਿੰਡ- ਫੱਤ ਹੱਦਬਸਤ ਨੰ:- 286 ਤਹਿਸੀਲ- ਸ਼ੰਕਰਪੁਰ ਜ਼ਿਲਾ- ਐਸ. ਏ. ਐਸ. ਨਗਰ

1	2	3	4	5	6	7	8
ਖੇਵਟ ਨੰ:/ ਮਾਲ/ਪੱਤੀ, ਨੰਬਰਦਾਰ	ਖਤੌਨੀ ਨੰਬਰ/ ਲਗਾਨ	ਮਾਲਕ ਦਾ ਨਾਂ ਅਤੇ ਵੇਰਵਾ	ਕਾਸ਼ਤਕਾਰ ਦਾ ਨਾਂ ਅਤੇ ਵੇਰਵਾ	ਸਿੰਚਾਈ ਦਾ ਸਾਧਨ	ਮੁਰੱਬਾ ਅਤੇ ਖਸਰਾ ਨੰਬਰ	ਰਕਬਾ ਅਤੇ ਭੌਂ ਦੀ ਕਿਸਮ	ਵਿਸ਼ੇਸ਼ ਕਥਨ
				ਟਿਊਬਵੈਲ	2207/10 44	1-11 (0-13-6.77) ਚਾਹੀ	ਬਰੁਦੇ ਵਸੀਕਾ ਨੰਬਰ:4993,ਮਿਤੀ:03-08-21 ਮਿਤੀ 1/9/2021 ਵਲੋ ਮੈਸ. ਸੈਲਫ ਕੇਅਰ ਹੈਲਥ ਰਿਜੋਰਟਸ ਪ੍ਰਾ. ਲਿਮ. 360/2231 ਹਿੱਸਾ ਬਾਹੱਕ ਐਫਨਿਟੀ ਬਿਲਡਟੈਕ ਸਾਲਮ ਖੇਵਟ ਕਿੱਤੇ 21 ਰਕਬਾ 55-15-10 ਦਾ 360/2231 ਹਿੱਸਾ ਬੈ ਹੋਇਆ ਇੰਤਕਾਲ ਮੰਜੂਰ ਹੈ ਜੀ
				ਟਿਊਬਵੈਲ	2209/10 47	0-14 (0-5-90.15) ਚਾਹੀ	
				ਟਿਊਬਵੈਲ	2211/10 48	0-14 (0-5-90.15) ਚਾਹੀ	ਬਰੁਦੇ ਇੰਤਕਾਲ ਨੰ 3468 ਬਰੁਦੇ ਵਸੀਕਾ ਨੰਬਰ:4994,ਮਿਤੀ:03-08-21 ਮਿਤੀ 1/9/2021 ਵਲੋ ਮੈਸ. ਹੈਵਨ ਸਿਟੀ ਡਿਵੈਲਪਰਜ ਲਿਮ. 2/23 ਹਿੱਸਾ ਬਾਹੱਕ ਐਫਨਿਟੀ ਬਿਲਡਟੈਕ ਸਾਲਮ ਖੇਵਟ ਕਿੱਤੇ 21 ਰਕਬਾ 55-15-10 ਦਾ 2/23 ਹਿੱਸਾ ਬੈ ਹੋਇਆ ਇੰਤਕਾਲ ਮੰਜੂਰ ਹੈ ਜੀ
				ਟਿਊਬਵੈਲ	2213/10 52	0-13-10.00 (0-5-69.06) ਚਾਹੀ	
				ਟਿਊਬਵੈਲ	2215/10 57	1-8 (0-11-80.31) ਚਾਹੀ	ਬਰੁਦੇ ਇੰਤਕਾਲ ਨੰ 3469 ਬਰੁਦੇ ਵਸੀਕਾ ਨੰਬਰ:4995,ਮਿਤੀ:03-08-21 ਮਿਤੀ 1/9/2021 ਵਲੋ ਚਮਨ ਬਾਸਲ ਪੁੱਤਰ ਹੰਸ ਰਾਜ ਬਾਸਲ ਪੁੱਤਰ ਬਿਹਾਰੀ ਲਾਲ 70/2231 ਹਿੱਸਾ ਸੁਨੀਲ ਬਾਸਲ ਪੁੱਤਰ ਵਿਜੈ ਕੁਮਾਰ ਬਾਸਲ ਪੁੱਤਰ ਲਛਮਨ ਦਾਸ 35/2231 ਹਿੱਸਾ ਦਵਿੰਦਰ ਬਾਸਲ ਪੁੱਤਰ ਵਿਜੈ ਕੁਮਾਰ ਬਾਸਲ ਪੁੱਤਰ ਲਛਮਨ ਦਾਸ 35/2231 ਹਿੱਸਾ ਬਾਹੱਕ ਐਫਨਿਟੀ ਬਿਲਡਟੈਕ ਸਾਲਮ ਖੇਵਟ ਕਿੱਤੇ 21 ਰਕਬਾ 55-15-10 ਦਾ 140/2231 ਹਿੱਸਾ ਬੈ ਹੋਇਆ ਇੰਤਕਾਲ ਮੰਜੂਰ ਹੈ ਜੀ
				ਟਿਊਬਵੈਲ	2217/10 62	1-8 (0-11-80.31) ਚਾਹੀ	
				ਟਿਊਬਵੈਲ	2219/10 65	1-8 (0-11-80.31) ਚਾਹੀ	
				ਕੁਲ	ਕਿੱਤੇ 21	55-15-10.00 (4-70-22.51)	
				55 ਬਿਗਾ 15 ਬਿਸਵਾ 10.00 ਬਿਸਵਾਸੀ (4 ਹੈਕਟੇਅਰ 70 ਏਅਰ 22.51 ਸੈਟੇਅਰ) ਮਜਰੂਆ 55 ਬਿਗਾ 15 ਬਿਸਵਾ 10.00 ਬਿਸਵਾਸੀ (4 ਹੈਕਟੇਅਰ 70 ਏਅਰ 22.51 ਸੈਟੇਅਰ) ਚਾਹੀ			

ਟ੍ਰਾਂਜੈਕਸ਼ਨ ਨੰ 13677 ਕੁੱਲ ਪੰਨੇ: 2 ਕੁੱਲ ਫੀਸ: 50 ਕਰਮਚਾਰੀ ਦਾ ਨਾਮ/ਅਹੁਦਾ: Patwari ਕੰਪਿਊਟਰ ਮਾਲ ਰਿਕਾਰਡ ਮੁਤਾਬਿਕ ਨਕਲ ਦਰਸਤ ਹੈ|

ਪ੍ਰਿੰਟਿੰਗ ਮਿਤੀ : 07-02-2022 11:48:04:037 ਸਵੇਰ ਪਟਵਾਰੀ ਵਲੋ ਮਾਲ ਰਿਕਾਰਡ ਮਿਤੀ 27/01/2022 ਤਕ ਕੰਮਪਿਊਟਰ ਵਿਚ ਦਰਜ ਹੈ| ਕਰਮਚਾਰੀ ਦੇ ਹਸਤਾਖਰ

PART-II

(To be filled by the concerned Deputy Conservator of Forest)

State Serial No. of proposal :

1. **Location of the project/Scheme :** Punjab

(i) **State / Union Territory :** Punjab

(ii) **District :** SAS Nagar

(iii) **Forest Division :** SAS Nagar

(iv) **Area of forest land proposed for diversion (in ha.) :** 0.01

(v) **Category of the Proposal:** Approach Access

2. **Legal status of forest land proposed for diversion**

S. No.	Division	Forest Land(ha.)	Legal Status
NIL			

S.no	District Name	Geographical area of the district (in ha.)	Forest area of the district (in ha.)	Total forest area diverted since 1980 (in ha.)	No. of Approved Cases	Forest Land including penal C.A. (in ha.)	Progress of compensatory afforestation as on(date)	A) Forest land (in ha.)	B) Non-forest land (in ha.)
NO Data									

15.

Site inspection report of the DFO/CCF/Nodal Officer highlighting important facts pertaining to the forest land

Division Name	Circle	Site inspected By	Whether site inspected	No. of times site visit	Site inspection report	Date of visit
NO Data						

(Specific recommendation of the DFO/CCF/Nodal Officer with(Part II,III & Part IV))

16.

Specific recommendation of the DFO/CCF/Nodal Officer for acceptance or otherwise of the proposal with reason

Division	Circle	Recommendation By	Recommendation	Reason	Letter	Whether CF agreed
NO Data						

Print

भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
NATIONAL HIGHWAYS AUTHORITY OF INDIA
सड़क परिवहन और राजमार्ग मंत्रालय, भारत सरकार
(Ministry of Road Transport and Highways, Govt. of India)
Project Implementation Unit, Patiala 4006, urban estate phase -2, Patiala-147002. दूरभाष :–0175.7983431, ई–मेल :- nhaipiupatiala@gmail.com

NHAI/PIU/Patiala/NOC/338.590 (RHS)/439. 26.

To,

Mr. Rahul Bansal,
S/o Jawahar Lal Bansal,
H. No. 41, Ward no. 24, Sector-4,
Panchkula (HR)

Sub: Regarding Issue of NOC for access permission on Zirakpur –Rajpura section of NH-07 (Old NH-64) for proposed access to Proposed access to Proposed Commercial/Residential Project of M/s Affinity Buildtech at village chhat, Tehsil-Zirakpur,District- S.A.S Nagar Mohali (PB) at Km.338.590 (RHS) **–Provisional approval- reg.**

Ref: (i) RO-Chandigarh letter no. NHAI/RO/CHD/11011/PD-PTL/ZKP-Patiala/NOC/80-4165 dated 21.10.2021
(ii) This office letter no. NHAI/PIU/Patiala/338.590 (RHS) /342 dated 01.10.2021

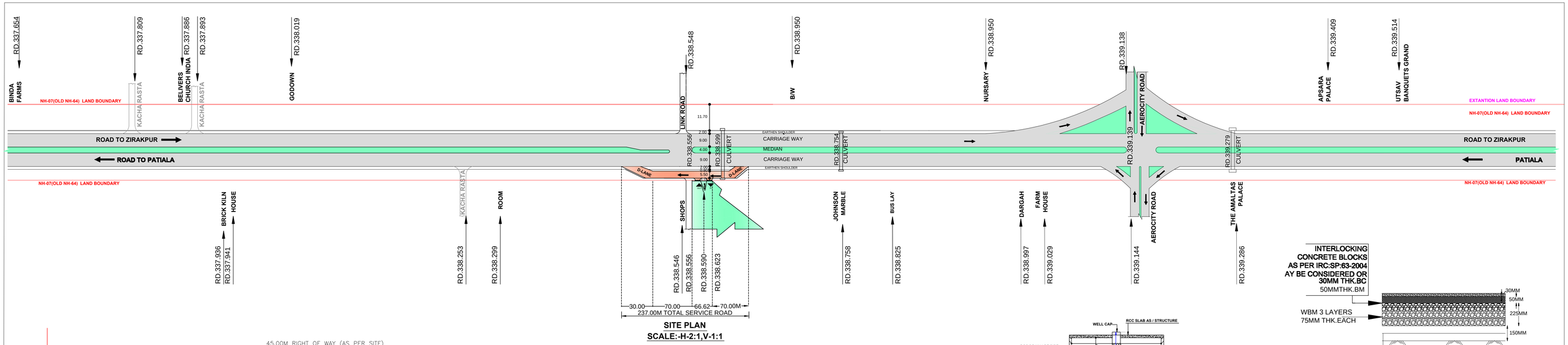
(Copies enclosed)

1. Please find enclosed herewith Highway Administration cum Regional Office, Chandigarh letter u/r (i) conveying there with provisional permission for access to Proposed Group Housing Project, which shall be cancelled under certain circumstances mentioned therein under Para 3.

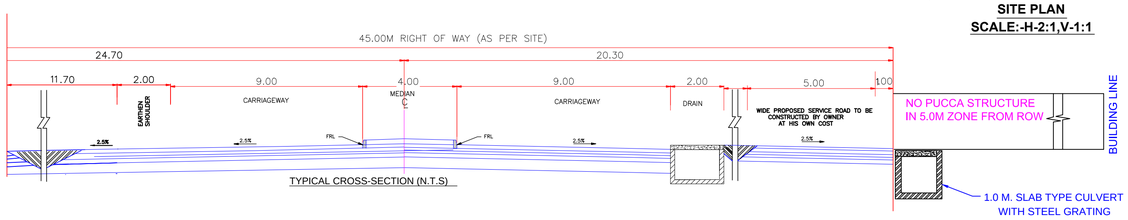
2. This is for your kind information and necessary compliance please.

Encl.: As above

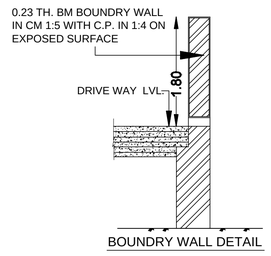
(Vishal Sharma)
Project Director
NHAI, PIU Patiala



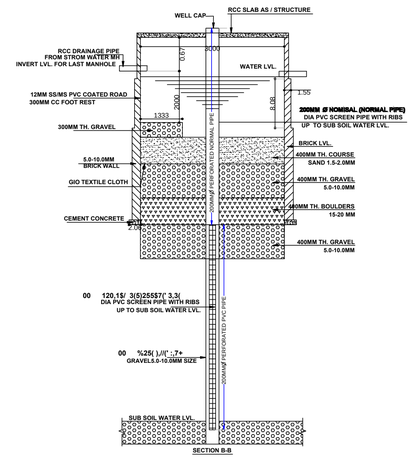
SITE PLAN
SCALE:-H-2:1,V-1:1



TYPICAL CROSS-SECTION (N.T.S)

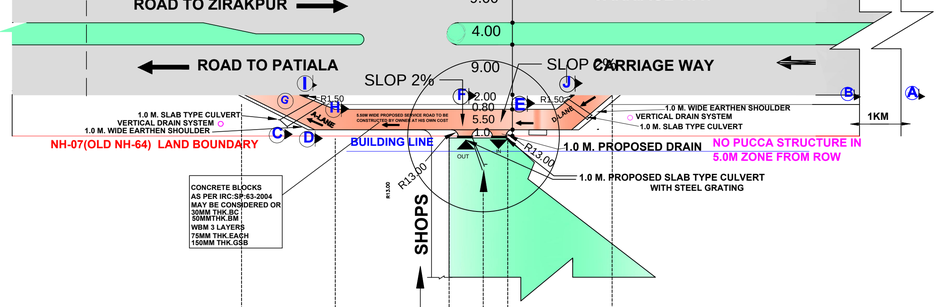


BOUNDRY WALL DETAIL

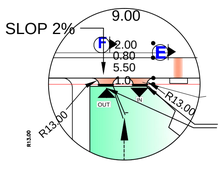


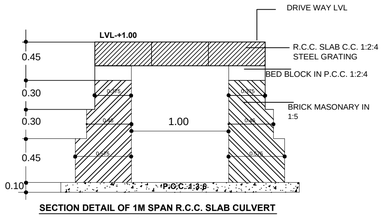
SECTION B-B

X SECTION OF APPROACH ROAD
SCALE 1:30

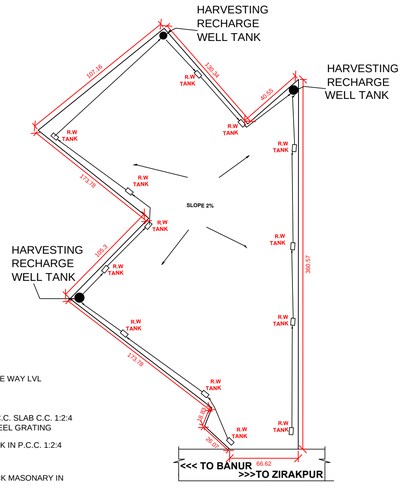


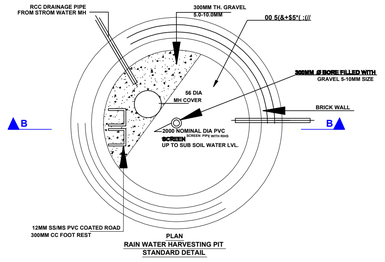
LAYOUT PLAN
SCALE:-H-2:1,V-1:1





SECTION DETAIL OF 1M SPAN R.C.C. SLAB CULVERT
SCALE :- 1:400





PLAN
RAIN WATER HARVESTING PIT
STANDARD DETAIL

PROPOSED SITE / LAYOUT PLAN FOR ACCESS TO PROPOSED COMMERCIAL / RESIDENTIAL PROJECT BY M/S AFFINITY BUILDTECH. AT VILL. CHATT IN KM 338.590 (RHS) ON NH- 07 (OLD NH - 64) ZIRAKPUR - BANUR ROAD,TEHSIL - ZIRAKPUR, DISTT - S.A.S. NAGAR MOHALI (PB).

NOTE S
1. ORAL MARKING SHALL BE DONE AS PER RCTIONS OF NH-152 AUTHORITYAS PER IRC - 67
2. ALL DIMENSIONS ARE IN MTR OTHER WISE MENTIONED.

CERTIFICATES / NOTES

1. STORM WATER OF OUR RETAIL OUTLET WILL NOT DISTURB THE NH -07 (OLD NH - 64).
2. 1.00 MTR WIDE SLAB CULVERT WILL BE PROVIDED BY US.
3. LEVEL OF COMMERCIAL PROJECT WILL BE KEPT 300MM BELOW THE NH ROAD LEVEL
4. WE SHALL NOT DEMAND ANY GAP IN CENTRAL VERGE IN FRONT OF BUILDING.
5. WE WILL NOT CONSTRUCT ANY PUCCA STRUCTURE WITH IN 5.0 M FROM ROW.
6. THE MORT & H INSTRUCTIONS SHALL NOT BE VOLATED.
7. CERTIFIED THAT ALL MORT & H CONDITIONS HAVE BEEN SPECIFIED.
8. CERTIFIED THAT WE WILL APPLY THE CASE FOR RENEWAL AFTER 15 YEARS FROM THE DATE OF ISSUE.
9. WE WILL PAY THE NECESSARY RENT FOR THE USE OF NH -07 (OLD NH - 64) LAND WHENEVER ASKED BY AUTHORMES.
10. ACCESS ROAD TO BE CONSTRUCTED BY THE APPLICANT AT HIS OWN COST .
11. CERTIFIED THAT THERE IS NO OTHER STRUCTURE WILL BE ERECTED NOR ANY OTHER SERVICE RENDERED WITHOUT THE PRIOR APPROVAL OF HIGHWAY ADMINISTRATOR.
12. CERTIFIED THAT ALL THE CONDMONS LAID EXCEPT THAT CONNECTED WITH PROPOSED SITE DOWN BY THE GOVT. OF INDIA, GOVT. OF PUNJAB AND INDIAN ROADS CONGRESS FROM TIME TO TIME WITH REGARD TO THE LOCATION OF ROAD SIDE PROPOSED SITE HAVE BEEN COMPLIED WITH.
13. MINIMUM PAVEMENT COMPOSMION OF SERVICE ROAD SHALL BE 150 MM GSB, OVERLAID BY THREE LAYERS OF WATER BOUND MACADAM (WBM). EACH OF 75MM THICKNESS OVERLAID BY 50 MM BITUMINOUS MACADAM OVERLAID BY BITUMINOUS CARPET OF MINIMUM 30 MM OR INTERLOCKING CONCRETE BLOCKS AS PER IRC : SP : 63 MAY BE CONSIDERED (AS PER DETAIL SHOWING IN CROSS SECTION OF ENTRY & EXIT ROAD)
14. ALL PAVEMENT MARKING SHALL BE AS PER IRC: 35-2015.
15. ALL TRAFFIC SIGN SHALL BE AS PER IRC 67-2012 & IRC SP - 55-2014.
16. ALL DRAINAGE REQUIREMENTS WILL BE DONE AS PER IRC SP - 13 AND AS PER APPENDIX -1 OF MORT & H CIRCULAR NO. RW / NH - 33032 / 01 / 2017 - S & R (R) DATED 26/JUNE/2020

SITE / LAYOUT PLAN OF APPROACH ROAD ON NH-07(OLD NH-64) ZIRAKPUR - BANUR ROAD AT KM. 338.677 (LHS)

CENTRAL VERGE
CARRIAGEWAY
PROPOSED SERVICE ROAD

- (A) SIDE ROAD SIGN
- (B) FACILITY INFORMATION SIGN
- (C) ONE WAY SIGN
- (D) NO PARKING SIGN
- (F) NO RIGHT TURN SIGN
- (G) GIVE WAY LINE
- (H) NO LEFT TURN SIGN
- (I) PARALLEL ACCELERATION LANE LINE
- (J) TAPERED DECELERATION LANE LINE

DESIGNED BY

GRP ESTATES
F-470, Major Tower, Basement, Sector 76, S.A.S Nagar Mohali,
Mob. 8872671234
E-Mail - Gurpreetjag@gmail.com

OFFICER SIGNATURE

OWNER

OFFICER SIGNATURE

FORM - A

Form for seeking prior approval of Central Government under section 2 of the Forest(Conservation) Act,1980 for Diversion of fresh forest area

PART - I

(To be filled up by User Agency)

A. General Details

A-1. Project Details

(i). Proposal No. : FP/PB/Approach/152146/2022

(ii). Name of Project for which Forest Land is required : M/S Affinity Buildtech

(iii). Short narrative of the proposal and Project/scheme for which the forest land is required : Issue of NOC for approval of passage on Zirakpur – Patiala Road on NH No -07 (OLD NH - 64) at Km 338. 590 (R.H.S) for proposed access to proposed Commecrial/Residential Project of M/S Affinity Buildtech. at Village Chhat, Tehsil Zirakpur,

(iv). State : Punjab

(v). Category of the Proposal : Approach Access

(vi). Shape of forest land proposed to be diverted : Non Linear

(vii). Estimated cost of the Project(Rupees in lacs) : 2500

(viii). Area of forest land proposed for diversion(in ha.): 0.01

(ix). Non-forest land required for this project(in ha.): 0.018

(x). Total period for which the forest land is proposed to be diverted(in years): 99

A-2. Details of User Agency

(i). Name : AFFINITY BUILDTECH

(ii). Address1 : H No - 41, Ward No 24, Sector -4 Panchkula

(iii). Address2 : NIL

(iv). State : Haryana

(v). District : Panchkula

(vi). Pin : 134112

(vii). Landmark : NIL

(viii). Email address : rahulbansalaffinity@gmail.com

(ix). Landline Telephone No. : 0--

(x). Fax No. : 0-

(xi). Mobile No. : 9872972727

(xii). Website (if any) : NIL

(xiii). Legal status of User Agency : State Government

A-3. Details of Person Making Application

(i). First Name: Rahul

(ii). Middle Name: NIL

(iii). Last Name: Bansal

(iv). Gender: NIL

(v). Designation: Partner

(vi). Address 1: H No - 41, Ward No 24, Sector -4 Panchkula

(vii). Address 2: NIL

(viii). State: Haryana

(ix). District: Panchkula

(x). Tehsil: NIL

(xi). Pin: 134112

(xii). Landmark: NIL

(xiii). Email Address: rahulbansalaffinity@gmail.com

(xiv). Landline Telephone No.: 0-

(xv). Fax No.: NIL

(xvi). Mobile No.: 9872972727

(xvii). Copy of documents in support of the competence/authority of the person making this application to make application on behalf of the User Agency:

B. Details of land required for the Project

B-1. Details of proposal seeking prior approval of Central Government under the Act for diversion of forest land for the Project already submitted in the past

List of proposal submitted in Past							
S.no	**Proposal Status.**	**Proposal No.**	**Moef File No.**	**Area Proposed for Diversion(Ha.)**	**Area Diverted(Ha.)**	**Date of In-Principle Approval**	**Date of Final Approval**
NIL							

B-2. Details of forest land proposed to be diverted

B-2.1 Details of Divisions involved

Details of Divisions involved			
S.no	**Division Name**	**Forest Land(ha.)**	**Non-Forest Land(ha.)**
1.	SAS Nagar	0.01	0.018
Total		0.01	0.018

B-2.2 Details of Districts involved

District wise breakup			
S.no	**District Name**	**Forest Land(ha.)**	**Non-Forest Land(ha.)**
1.	SAS Nagar	0.01	0.018
Total		0.01	0.018

B-2.3 Village wise breakup

Villages wise breakup			
S.no	**Village**	**Forest Land(ha.)**	**Non-Forest Land(ha.)**
1	Chhat	0.01	0.018
Total		**0.01**	**0.018**

B-2.4
Component wise breakup

Component wise breakup			
S.no	**Component**	**Forest Land(ha.)**	**Non-Forest Land(ha.)**
1	Mohali	0.01	0.018
Total		**0.01**	**0.018**

C. Maps of forest land proposed to be diverted

Division 1. : SAS Nagar

(i). Area of forest land proposed to be diverted(in ha.) : 0.01

(ii). Nature of the Project: Non Linear

(a). No. of patches : NIL

Patch wise details		
Patch No.	**Area of Patch(in ha.)**	**Kml File of PatchesTo view KML file on google the same may be downloaded and then open if in google earth install in your computer.**

(iii). Copy of Survey of India Toposheet indicating boundary of forest land proposed to be diverted: Map

(iv). Scanned copy of the Geo-referenced map of the forest land proposed to be diverted prepared by using GPS or Total Station: Map

D. Justification for locating the Project in forest land and details of alternatives examined:

(i). Copy of note containing justification for locating the Project in forest land:

E. Employment likely to be generated

(i). Whether the Project is likely to generate employment ?: No

F. Displacement of People due to the Project, if any

(i). Whether Project involves displacement?: No

G. Details of Cost-Benefit analysis for the Project

(i). Whether the Project requires Cost-Benefit analysis?: No

H. Status of Environmental Clearance

(i). Whether the Project requires Clearance under the Environment (Protection) Act 1986 ? : No

I. Status of Wildelife Clearance

(i). Whether the Project or a part thereof is located in any Protected Area or their Eco sensitive zone? : No

J. Applicability of special provisions governing Scheduled Areas

(i).Whether the Project or a part thereof is located in a Scheduled Area? : No

K. Status of settlement of rights under the Forest Rights Act,2006 on the forest land proposed to be diverted

(i). Whether the process for settlement of Rights under the Forest Rights Acts 2006 on the forest land proposed to be diverted has been completed? : No

L. Details of land identified for Compensatory Afforestation

(i). Whether non-forest or Revenue forest land is required to be provided by User Agency?: Not Applicable

(ii). Whether the area of non-forest land or Revenue forest land required to be provided by User Agency for raising Compensatory Afforestation is less than area of forest land proposed to be diverted ?: Not Applicable

(iii) . Reason for not providing Non-Forest Land: Not Applicable

Additional information Details

Documents		
S.No	**Documents**	**Remarks**
1		Authority Letter
2		NHAI NOC
3		FARD
4		LATHA
5		NHAO DRAWING

Print