Proceedings of 200th meeting of State Environment Impact Assessment Authority (SEIAA) held on 08.02.2022 (Tuesday) in the Conference Hall no. 1 (Room No 311), 2nd Floor of MGSIPA at 10:30 AM, MGSIPA Complex, Sector-26, Chandigarh through hybrid mode.

The meeting was attended by the following members:

1) Sh. Hardeep Singh Gujral,
Chairman, SEIAA

2) Sh. Rajesh Dhiman, IAS
Member Secretary, SEIAA

3) Dr. Adarsh Pal Vig, Member SEIAA -cum
Chairman, Punjab Pollution Control Board, Patiala

Er. Parveen Saluja, Environmental Engineer SEIAA and Sh. Aushwinder Singh, Scientist-B along with other supporting staff also attended the meeting.

Item No. 01: Confirmation of the proceedings of 199th meeting of State Environment Impact Assessment Authority held on 25.01.2022.

The proceedings of 199th meeting of State Environment Impact Assessment Authority (SEIAA), Punjab, held on 25.01.2022 were circulated through E-mail on 31.01.2022 with a request to send comments so that the same can be incorporated in the proceedings. Certain observations were received through email which have been incorporated in the said proceedings and the final proceedings have been circulated on 31.01.2022. As such, the final proceedings of the 199th meeting as circulated on 31.01.2022 stand confirmed.

Item No. 02: Action taken on the proceedings of 199th meeting of State Environment Impact Assessment Authority held on 25.01.2022 and action on Item no's 193.04 of 193rd, 196.04 and 196.05 of 196th meeting of SEIAA held on 11.11.2021 and 28.12.2021 respectively.

SEIAA was apprised that necessary action has been taken in respect of most of the items of the proceedings of 199th meeting of State Environment Impact Assessment Authority held on 25.01.2022 including the action on Item no's 193.04 of 193rd and 196.05 of 196th meeting of SEIAA held on 11.11.2021 and 28.12.2021. Item no. 196.04 is placed in the 200th meeting of SEIAA (Instant agenda) for taking further action in the matter.

Action taken report on all aforesaid items will be placed in the next meeting of SEIAA.

Item No.200.01: Application for issuance of TORs for expansion in existing steel manufacturing unit at Village Ambey Majra, Mandi Gobindgarh, District Fatehgarh Sahib, Punjab by M/s Rudra Alloys Pvt. Ltd. (SIA/PB/IND/70809/2022)

Background and salient features of the matter are as under:

The Project Proponent has applied for issuance of ToRs to M/s Rudra Alloys Pvt. Ltd. for expansion of existing Steel Manufacturing Unit for manufacturing 1,55,400 TPA of Steel Ingots/Billets, Angles, channels, Rounds, Square, TMT Bars, Flats, Patra by upgrading the existing Induction Furnace of 7 TPH with new Induction Furnace of capacity 10 TPH and addition of two Induction Furnaces of 12 TPH and 15 TPH capacities, Concast, Laddle Refining Furnace (LRF) of 15 TPH, VD and rolling mill of 20 Ton/hr capacity at Village Ambey Majra.

The project proponent had submitted the Form I, Pre-feasibility report and other additional documents on online portal. Processing fee of Rs. 67,175/- through RTGS Reference No. N348211752241674 dated 14.12.2021 has been paid for the ToR application. The total fee applicable on the project as per notification dated 27.06.2019 for the Environmental Clearance is Rs. 2,68,700/-. The fee applicable for the ToR is Rs. 67,175/- (25% of the total fee). Thus, the Project Proponent has deposited the requisite fee.

The project proponent submitted an undertaking that the project site is not covered under the Forest Conservation Act, 1980 or Punjab Land Preservation Act, 1900, and is not a Wildlife area under Wildlife (Protection) Act, 1972. Further, no litigation against the project is pending in any Court of Law and no construction activity relating to the project has been started. The project site neither falls in an Eco-sensitive Zone nor is it within the boundary of any critical polluted area. The project does not attract the General or Specific Conditions of the EIA Notification, 2006.

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

The project proponent during the presentation to the Committee was asked to present the applicability of General Condition, suitability of site, land details etc.

1.0 Deliberations during 213th meeting of SEAC held on 24.01.2022.

The meeting was attended by the following:

1. Mr. Nitin Naresh Gupta, Director.
2. Sh. Sital Singh, EIA Coordinator, M/s CPTL, 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.	Name, location and proposal for the project	Expansion of the existing Steel Manufacturing Unit by M/s Rudra alloys Pvt. Ltd. located at Village Ambey Majra, Mandi Gobindgarh, District Fatehgarh Sahib, Punjab by increasing the production capacity to 1,55,400 TPA.
2.	Project/activity	Category "B", Project or Activity '3(a)' Metallurgical Industries (Ferrous & Non-Ferrous)
3.	In case of expansion projects, whether granted EC earlier, if Yes, then provide its details	It is an expansion project. But the existing capacity is less than 30,000 TPA, earlier EC was not required.
4.	Whether the project is in critically polluted area or not.	No
5.	If the project involves diversion of forest land. If yes, Extent of the forest land. Status of the forest clearance.	No, undertaking in this regard submitted.
6.	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. Is the project covered under PLPA, 1900, if yes then Status of the NOC w.r.t PLPA, 1900.	No, undertaking in this regard submitted.
7.	If the project falls within 10 km of Eco sensitive	The site does not fall in the eco-sensitive zone.

<table>
<tr><td></td><td>area/ National park/Wild Life Sanctuary. If yes,
Name of Eco sensitive area/ National park/Wild Life Sanctuary and distance from the project site.
Status of clearance from National Board for Wild Life (NBWL).</td><td></td></tr>
<tr><td>8.</td><td>Classification/Land use pattern as per Master Plan</td><td>The site falls in Industrial zone as per master plan of Mandi Gobindgarh (2010-2031)</td></tr>
<tr><td>9.</td><td>Cost of the project</td><td>Existing project cost: Rs. 6.87 Crores
Proposed Cost: Rs. 20.0 Crores
Total Cost after expansion: Rs. 26.87 Crores.</td></tr>
<tr><td>10.</td><td colspan="2">Project Area Details:
<table>
<tr><th>S. No.</th><th>Details</th><th>Existing Land</th><th>Proposed Additional Land</th><th>Total land after Expansion</th></tr>
<tr><td>1.</td><td>Plot Area (in sqm)</td><td>28328</td><td>--</td><td>28328</td></tr>
</table></td></tr>
<tr><td>13.</td><td colspan="2">Raw Material requirement as per following format:
<table>
<tr><th>S. No.</th><th>Raw Material</th><th>Existing (TPA)</th><th>Proposed (TPA)</th><th>After Expansion (TPA)</th></tr>
<tr><td>1.</td><td>MS Scrap, CI, Sponge Iron, Ferro Alloys</td><td>32,200</td><td>1,40,350</td><td>1,72,550</td></tr>
</table></td></tr>
<tr><td>14.</td><td>Details of Production capacity and products</td><td colspan="2">
<table>
<tr><th>Sr. No.</th><th>Product Name</th><th>Existing (TPA)</th><th>Additional (TPA)</th><th>Total After expansion (TPA)</th></tr>
<tr><td>1.</td><td>Steel Ingots/billets, Angles, Channels, Rounds, Square, TMT Bars, Flats, Patra</td><td>29,400
(Steel ingots)</td><td>1,26,000</td><td>1,55,400</td></tr>
</table></td></tr>
</table>

15.	Details of Machinery	S. No.	Particulars	Existing	Proposed	After Expansion
		1.	Induction Furnace	1X7TPH (Upgraded)	1X10 TPH, 1X12 TPH, 1X15 TPH	1X10 TPH, 1X12 TPH, 1X15 TPH
		2.	Rolling mill	Nil	20 Ton/hr	20Ton/hr
		3.	Laddle Refining Furnace (LRF)	Nil	15TPH	15TPH
		4.	Concast	Nil	01 No.	01 No.
		6.	VD	Nil	01 No.	01 No.

During meeting, SEAC examined the KML file of the project site and it was observed that the industry has developed negligible plantation/green area within the project, as such there is a need to provide immediate attention for the development of plantation area within the project site. The project proponent ensured to provide adequate number of trees by planting the grown-up saplings.

SEAC was satisfied with the presentation and reply given by the project proponent and decided to forward the case to SEIAA by categorizing the project under Activity 3(a); B1 with public consultation as required as per the statutory provisions. The baseline study shall be carried out by Environmental Consultant for full season except monsoon season. The Committee approved the proposed Terms of Reference for preparing Environmental Impact Assessment (EIA) report for the project and recommended to SEIAA to issue the TORs in addition to the specific ToRs as under:

Specific ToRs

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 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 compliance report.

STANDARD TERMS OF REFERENCE

1) Executive Summary

Report in about 8-10 pages incorporating the following:

i) Project name and location (Village, Distt., State, Industrial Estate (if applicable)

ii) Products and capacities. If expansion proposal, then existing products with capacities and reference to earlier EC.

iii) Requirement of land, raw material, water, power, fuel, with source of supply (Quantitative)

iv) Process description in brief, specifically indicating the gaseous emission, liquid effluent and solid and hazardous wastes.

v) Measures for mitigating the impact on the environment and mode of discharge or disposal.

vi) Capital cost of the project, estimated time of completion

vii) Site selected for the project - Nature of land - Agricultural (single/double crop), barren, Govt./private land, status of is acquisition, nearby (in 2-3 km.) water body, population, within 10 km other industries, forest, eco- sensitive zones, accessibility, (note - in case of industrial estate thisinformation may not be necessary)

viii) Baseline environmental data - air quality, surface and groundwater quality,soil characteristic, flora and fauna, socio-economic condition of the nearby population Identification of hazards in handling, processing and storage of hazardous material and safety system provided to mitigate the risk.

ix) Identification of hazards in handling, processing and storage of hazardous material and safety system provided to mitigate the risk

x) Likely impact of the project on air, water, land, flora-fauna and nearby population

xi) Emergency preparedness plan in case of natural or in plant emergencies

xii) Issues raised during public hearing (if applicable) and response given

xiii) CSR/CER plan with proposed expenditure.

xiv) Occupational Health Measures

xv) Post Project monitoring plan

xvi) Synopsis of the project (as available on web site i.e. www.pbdecc.gov.in)

2) Introduction

i) Details of the EIA Consultant including NABET accreditation

ii) Information about the project proponent

iii) Importance and benefits of the project

3) Project Description

i) Cost of project and time of completion.

ii) Products with capacities for the proposed project.

iii) If expansion project, details of existing products with capacities andwhether adequate land is available for expansion, reference of earlier EC ifany.

iv) List of raw materials required and their source along with mode of transportation.

v) Other chemicals and materials required with quantities and storage capacities.

vi) Details of Emission, effluents, hazardous waste generation and their management.

vii) Requirement of water (breakup for induction and rolling mill), power, with source of supply, status of approval, water balance diagram, man-power requirement (regular and contract).

viii) Process description along with major equipment and machineries, process flow sheet (quantitative) from raw material to products to be provided

ix) Hazard identification and details of proposed safety systems.

x) In case of Expansion/modernization proposals:

a) Status of compliance of Consent to Operate for the ongoing /existing operation of the project from SPCB shall be attached with the EIA-EMP report.

b) In case the existing project has not obtained environmental clearance, reasons for not taking EC under the provisions of the EIA Notification 1994 and/or EIA Notification 2006 shall be provided. Copies of Consent to Establish/No Objection Certificate and Consent to Operate (in case of unitsoperating prior to EIA Notification 2006, CTE and CTO of FY 2005-2006) obtained from the SPCB shall be submitted. Further, compliance

report to the conditions of consents from the SPCB shall be submitted.

4) Site Details

i) Location of the project site covering village, Taluka / Tehsil, District and State, Justification for selecting the site, whether other sites were considered. Copyof Master Plan indicating a land use pattern of the site is in conformity of proposals of Master Plan shall be attached with EIA report.

ii) A topo sheet of the study area of radius of 10 km and site location on 1:50,000/1:25,000 scale on an A3/A2 sheet. (Including all eco-sensitive areasand environmentally sensitive places)

iii) Details w.r.t. option analysis for selection of site.

iv) Co-ordinates (lat-long) of all four corners of the site.

v) Google map-Earth downloaded of the project site

vi) Layout maps indicating existing unit as well as proposed unit indicating storage area of raw material, finished products, greenbelt area with markingof tree, Location of STP/ETP, Solid waste storage area, Parking space, Firefighting equipment layout, First aid room, Location of Tube wells, DG Sets& Transformers and any other utilities

vii) If located within an Industrial area/Estate/Complex, layout of Industrial Area indicating location of unit within the Industrial area/Estate.

viii) Photographs of the proposed and existing (if applicable) plant site. If existing, show photographs of plantation/greenbelt, in particular.

ix) Land use break-up of total land of the project site (identified and acquired), government/private - agricultural, forest, wasteland, water bodies, settlements, etc. shall be included. (not required for industrial area).

x) A list of major industries with name and type within study area (10 km radius)shall be incorporated. Land use details of the study area.

xi) Geological features and Geo-hydrological status of the study area shall be included.

xii) Details of Drainage of the project up to 5km radius of study area. If the siteis within 1 km radius of any major river, peak and lean season river dischargeas well as flood occurrence frequency based on peak rainfall data of the past30 years. Details of Flood Level of the project site and maximum Flood Levelof the river shall also be provided. (mega green field projects)

xiii) Status of acquisition of land. lf acquisition is not complete, stage of the acquisition process and expected time of complete possession of the land.

xiv) R&R details in respect of land in line with state Government policy

5) <u>Forest and wildlife related issues (if applicable):</u>

i) Permission and approval for the use of forest land (forestry clearance), if any,and recommendations of the State Forest Department. (if applicable).

ii) Land use map based on High resolution satellite imagery (OPS) of the proposed site delineating the forestland (in case of projects involving forest land more than 40 ha).

iii) Status of Application submitted for obtaining the stage I forestry clearance along with latest status shall be submitted.

iv) The projects to be located within 10 km of the National Parks, Sanctuaries, Biosphere Reserves, Migratory Corridors of Wild Animals, the project proponent shall submit the map duly authenticated by Chief Wildlife Warden showing these features vis-a-vis the project location and the recommendationsor comments of the Chief Wildlife Warden-thereon.

v) Wildlife Conservation Plan duly authenticated by the Chief Wildlife Warden ofthe State Government for conservation of Schedule I fauna, if any exists in the study area.

vi) Copy of application submitted for clearance under the Wildlife (Protection) Act, 1972, to the Standing Committee of the National Board for Wildlife.

6) <u>Environmental Status</u>

i) Determination of atmospheric inversion level at the project site and site specific micro-meteorological data using temperature, relative humidity, hourly wind speed and direction and rainfall.

ii) AAQ data (except monsoon) at 8 locations for PM 10, PM2.5, S02, NOX, CO and other parameters relevant to the project shall be collected. The monitoringstations shall be based CPCB guidelines and take into account the pre dominant wind direction, population zone and sensitive receptors including reserved forests.

iii) Raw data of all AAQ measurement for 12 weeks of all stations as per frequencygiven in the NAQQM Notification of Nov. 2009 along with - min., max., averageand 98% values for each of the AAQ parameters from data of all AAQ stationsshould be

provided as an annexure to the EIA Report.

iv) Surface water quality of nearby River (100m upstream and downstream) and other surface drains at eight locations as per CPCB/MoEF& CC guidelines.

v) Whether the site falls near to polluted stretch of river identified by the CPCB/MoEF& CC.

vi) Groundwater monitoring at minimum at 8 locations shall be included.

vii) Noise levels monitoring at 8 locations within the study area.

viii) Soil Characteristic as per CPCB guidelines.

ix) Traffic feasibility / serviceability study for at least 5 days based on Indian Standard Codes. Further it shall also include the details of cross section of theroad on which industry is located, vehicles movement w.r.t. the industry, trafficload of other vehicles on the road incorporating the haulage time for the vehicles for loading/unloading within the premises and parking requirement toavoid the traffic congestions on the link and adjoining roads. Traffic study shall be conducted considering the traffic of the industries located in the vicinity.

x) Detailed description of flora and fauna (terrestrial and aquatic) existing in the study area shall be given with special reference to rare, endemic and endangered species. If Schedule-I fauna are found within the study area, a Wildlife Conservation Plan shall be prepared and furnished.

xi) Socio-economic status of the study area.

7) <u>Impact Assessment and Environment Management Plan</u>

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

ii) Water Quality modelling.

iii) Impact of the transport of the raw materials and end products on thesurrounding environment shall be assessed and provided. In this regard, options for transport of raw materials and finished products and wastes (largequantities) by rail or rail-

cum road transport or conveyor-cum-rail transport shall be examined.

iv) A note on treatment, recycling and reuse of wastewater from different plant operations, extent for different purposes shall be included. Complete scheme of effluent treatment. Characteristics of untreated and treated effluent to meetthe prescribed standards of discharge under EPA Rules.

v) Details of stack emission and action plan for control of emissions to meet standards.

vi) Measures for fugitive emission control

vii) Details of hazardous waste generation and their storage, utilization and disposal. Copies of MOU regarding utilization of solid and hazardous waste shall also be included. EMP shall include the concept of waste-minimization, recycle/reuse/recover techniques, Energy conservation, and natural resource conservation.

viii) Proper utilization of fly ash shall be ensured as per Fly Ash Notification, 2009.A detailed plan of action shall be provided.

ix) Action plan for the green belt development in 33 % area with not less than 1,500 trees per hectares giving details of species, width of plantation, plantingschedule, post plantation maintenance plan for 3 years shall be included. The green belt shall be around the boundary and a scheme for greening of the roads used for the project shall also be incorporated

x) Action plan for rainwater harvesting measures at alternative sites shall be submitted to harvest rainwater from the roof tops and storm water drains to recharge the groundwater and also to use for the various activities to conserve freshwater and reduce the water requirement from other sources.

xi) Total capital cost and recurring cost/annum for environmental pollution control measures shall be included.

xii) Action plan for post-project environmental monitoring shall be submitted.

xiii) Onsite and Offsite Disaster (natural and Man-made) Preparedness and Emergency Management Plan including Risk Assessment and damage control. Disaster management plan should be linked with the District Disaster Management Plan.

8) <u>Occupational health</u>

i) Details of existing Occupational & Safety Hazards. What are the exposure levelsof above-mentioned hazards and whether they are within the Permissible Exposure

Level (PEL). If these are not within PEL, what measures the companyhas adopted to keep them within PEL so that the health of the workers can bepreserved,

ii) Details of exposure specific health status evaluation of worker. If the workers' health is being evaluated by pre-designed format, chest x rays, Audiometry, Spirometry, Vision testing (Far & Near vision, colour vision and any other ocular defect) ECG, during pre-placement and periodical examinations give the detailsof the same. Details regarding last month analyzed data of above-mentioned parameters as per age, sex, duration of exposure and department wise.

iii) Annual report of the health status of workers with special reference to Occupational Health and Safety.

iv) Plan and fund allocation to ensure the occupational health & safety of all contract and casual workers.

9) <u>Corporate Environment Policy</u>

i) Does the company have a well laid down Environment Policy approved by its Board of Directors? If so, it may be detailed in the EIA report.

ii) Does the Environment Policy prescribe for standard operating processes/procedures to bring into focus any infringement/deviation/violation of the environmental or forest norms/conditions? If so, it may be detailed in the EIA.

iii) What is the hierarchical system or Administrative order of the company to deal with the environmental issues and for ensuring compliance with the environmental clearance conditions? Details of this system may be given.

iv) Does the company have a system of reporting of non-compliances / violationsof environmental norms to the Board of Directors of the company and / or shareholders or stakeholders at large? This reporting mechanism shall be detailed in the EIA report

10) Details regarding infrastructure facilities such as sanitation, fuel, restroom, etc. tobe provided to the labour force during construction as well as to the casual workers including truck drivers during the operation phase.

11) <u>Enterprise Social Commitment (ESC)</u>

i) To address the Public Hearing issues, 2.5% of the total project cost of(Rs. crores), amounting to Rs._crores, shall be earmarked by the projectproponent, towards Enterprise Social Commitment (ESC). Distinct ESC projectsshall be carved out based on the local public hearing issues. Project estimate shall be prepared based on PWD schedule of rates for each distinct Item and schedule for time-bound action plan shall be prepared. These ESC projects asindicated by the project

proponent shall be implemented along with the main project. Implementation of such program shall be ensured by constituting a Committee comprising of the project proponent, representatives of village Panchayat & District Administration. Action taken report in this regard shall besubmitted to the Ministry's Regional Office. No free distribution/donations andor free camps shall be included in the above ESC budget

12) Any litigation pending against the project and/or any direction/order passed byany Court of Law against the project, if so, details thereof shall also be included. Has the unit received any notice under the Section 5 of Environment (Protection) Act, 1986 or relevant Sections of Air and Water Acts? If so, details thereof and compliance/ATR to the notice(s) and present status of the case.

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

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

(i) Details of proposed layout clearly demarcating existing & proposed features of the project within the plant.

(ii) Total no. of furnaces & details including capacity of each furnace.

(iii) Detail of the mechanical shredder to reduce the size of the raw material.

(iv) Complete process flow diagram describing each unit, its processes, and operations, along with material and energy inputs and outputs (material and energy balance).

(v) Details on the design and manufacturing process for all the units.

(vi) Details on environmentally sound technologies for recycling of hazardous materials, as per CPCB Guidelines, may be mentioned in case of handling scrapand other ·recycled materials.

(vii) Details on the requirement of raw materials, its source, and storage at the plant.

(viii) Details on the requirement of energy and water along with its source and authorization from the concerned department. Location of water intake and outfall points (with coordinates).

(ix) Details on toxic metal content in the waste material and its composition and end-use (particularly of slag).

(x) Details on toxic content (TCLP), composition and end-use of chrome slag. Details on the recovery of the Ferro chrome from the slag and its proper disposal.

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

The case was considered by SEIAA in its 200th meeting which was attended by the following:

(i) Mr. Nitin Naresh Gupta, Director.

(ii) Sh. Sital Singh, EIA Coordinator, M/s CPTL, on behalf of Project Proponent.

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

SEIAA asked the Environmental Consultant to submit the draft EIA report (two copies each to Member Secretary, SEAC and Member Secretary, SEIAA) at the time of submission to PPCB for public hearing so that the concerns and suggestions of SEIAA / SEAC regarding the draft EIA report may be addressed and incorporated in the final EIA report to be uploaded on the Parivesh portal. Environmental Consultant welcomed the suggestion and requested to impose additional TOR in this regard.

SEIAA observed that the case stands recommended by SEAC for issuance of ToRs to the project proposal. SEIAA examined the details of the case and was satisfied with the same.

After detailed deliberations, SEIAA decided to accept the recommendations of SEAC and issue TORs as proposed by SEAC with the following additional TOR and amendments in the proposed TORs: -

Amendment in TOR no. i) of 11 of Enterprise Social Commitment (ESC)

The project proponent shall propose activities in lieu of Corporate Environmental Responsibility (CER) in the Environmental Management Plan as per the provisions of OM dated 25.02.2021 issued by the MoEF&CC.

C. Additional Specific TORS decided during meeting of SEIAA

1. The project proponent shall submit complete proposal for the management of ash at the time of submission of EIA report for obtaining environmental clearance.
2. Public consultation is required for the projects as it is not located in a notified industrial park/estate.
3. Submit proof of ownership of land (existing owner) such as copy of latest Jamabandi (not more than one month old) and credible document showing status of land acquisition w.r.t. project site as prescribed in OM dated 07.10.2014 issued by MoEF).
4. Submit duly filled prescribed field data sheets and analysis reports along with exact location of sampling / monitoring point marked on the layout map. Also submit the status of approvals of Laboratories.

5. Submit cost of the project duly certified by Chartered Engineer/ Approved valuer / Chartered Accountant. In the absence of above, the project proponent may submit self-certified detail of cost of the project mentioning the cost of Land, building, infrastructure and plant & machinery.

6. Certificate from the concerned authority w.r.t the location of protected areas as notified under the Wildlife Protection Act, 1972 beyond 5 km radius from the boundary of the project site.

7. Certificate from the Department of Town & Country Planning or concerned authorities to support the claim made by project proponent that the project site is located in the industrial zone as per the provisions of Master Plan of Town/City in the jurisdiction of which the project site is located or the project proponent shall submit the Change of land use of the project site for total land area.

8. Compliance of the siting criteria, standard operating practices, code of practice, and guidelines if any prescribed by the SPCB/CPCB/MoEF&CC for such type of units.

9. Necessary permissions from the Central Groundwater Authority (CGWA)/ State Groundwater Authority (SGWA)/concerned authority for the abstraction of groundwater for the existing requirements as well as for the expanded unit. In case such permission is not granted by the concerned authority for the abstraction of additional groundwater for the expanded project, the project proponent shall propose alternative arrangements to meet the additional water requirements. It shall be ensured that: -

    a) For projects where groundwater is proposed as a water source, the project proponent shall apply to the Central Groundwater Authority (CGWA)/ State Groundwater Authority (SGWA), as the case may be, for obtaining No Objection Certificate (NOC) if applicable.

    b) Approval /permission of the CGWA/SGWA shall be obtained before drawing groundwater for the project activities.

    c) In the absence of approval, submit a copy of acknowledgment along with a set of applications filed to CGWA /Competent Authority for obtaining permission for the abstraction of groundwater.

10. Minimize the water consumption in the steel plant complex by segregation of used water, practicing cascade use and by recycling treated water.

11. STP for treatment of wastewater and re-utilization of the treated water for core/non-core activities so as to achieve the Zero Liquid Discharge Condition as per provision of section III (iv) of OM dated 09/08/2018 issued by the MoEF&CC for such units.

12. Reuse of cooling tower blow down, simultaneously ensuring the standards prescribed for such purge waters. If required, necessary arrangements shall be made to keep this waste stream within the parameters required for reuse.
13. In case of any acid pickling activity, the spent acid/effluents generated from such activities shall be utilized through authorized re-processors for converting the same into useful by-products like $FeSO_4$ etc. An agreement to this effect shall be made with the authorized agencies.
14. Adequate area to be reserved and marked on the layout plan for the green belt as per the conditions laid down by the MoEF&CC as per the Standard EC Conditions prescribed for Induction/ Electric Arc Furnace & Rolling Mills circulated vide OM dated 09/08/2018.
15. Detailed study report along with calculation for reserving land for loading or unloading of raw material, products, slag, hazardous waste as well as for storage of these materials and the area to be reserved for parking incorporating the time required for loading and unloading of vehicles for respective activities and minimum/maximum period for which storage of the above material is required in the premises. The areas for the respective activities to be marked on the layout plan.
16. Action plan for the compliance of standard operating procedures and up-gradation of suction and treatment arrangement for the secondary emissions as prescribed by the State Pollution Control Board or by CPCB/MoEF&CC.
17. Compliance of standard operating procedures and up-gradation of suction/treatment systems for the control of secondary emissions within the time frame prescribed by the State Pollution Control Board. Similar action is to be implemented in the proposed expansion project.
18. The entire vehicle movement area as well as the approach road to the gate /weighing bridge shall be paved with pucca/metalled / cement concrete road to control the dust emissions expected from the vehicle movement.
19. The vehicles to be used for loading/unloading purposes shall not be parked along the roadside so as to avoid the traffic congestion and dedicated parking place to be provided within the premises for the same.
20. Adopt green technologies to conserve the water and energy including shearing/cutting / bundling machines. Also, to provide abrasive resistant fire bricks in the crucibles to reduce the periodic maintenance and disposal of discarded fire bricks.
21. Use of natural gas (if available) as substitute fuel wherever possible in the existing industry/ for the expansion project.

22. Submit compliance w.r.t. condition no.II [(i) & (iii)] subtitled as "Air Quality Monitoring & Preservation" regarding continuous emission monitoring system and continuous ambient air quality monitoring as prescribed in the Standard EC Conditions for Induction/ Electric Arc Furnace & Rolling Mills issued by the MoEF&CC, New Delhi vide OM dated 09/08/2018.

23. Examine and submit the proposal for: -

    a) Recovery of iron from slag before its disposal.

    b) Identify the areas for utilization of slag in a scientific manner and explore its usage in cement/construction industry/manufacturing of pavers & tiles/road laying etc.

    c) Recovery of precious metals like Zinc, lead and iron etc. from the APCD dust (Hazardous waste) through authorized re-processor.

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

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

25. Submit compliance regarding the installation of Pulse jet bag filter with offline cleaning technology as APCD with the proposed induction furnace.

26. List the species with heavy foliage, broad leaves and wide canopy cover. The landscape planning should include plantation of native species such as Arjun, Simal, Neem, Drek, Chakrassia, Peepul, Banyan, Pilkhan, Kusum, Kadam etc. Water intensive and/or invasive species should not be used for landscaping.

27. Submit draft EIA report (two copies each to Member Secretary, SEAC and Member Secretary, SEIAA) at the time of submission to PPCB for public hearing. Suggestions made on the draft EIA report by SEIAA/SEAC be incorporated in the final EIA report to be uploaded on the Parivesh portal.

The following general points shall be noted:

(i) The EIA document shall be printed on both sides, as far as possible.

(ii) All documents shall be properly indexed, page numbered.

(iii) Period/date of data collection shall be clearly indicated.

(iv) The letter/application for environmental clearance shall quote the MOEF / SEIAA file No. and also attach a copy of the letter.

(v) The copy of the letter received from the Ministry / SEIAA shall be also attached as an annexure to the final EIA-EMP Report.

(vi) The index of the final EIA-EMP report must indicate the specific chapter and page no. of the EIA-EMP Report.

(vii) While preparing the EIA report, the instructions for the proponents and instructions for the consultants issued by MOEF vide notification dated 03.03.2016 which is available on the website of this Ministry shall also be followed.

(viii) The consultants involved in the preparation of EIA-EMP report after accreditation with Quality Council of India (QCI) /National Accreditation Board of Education and Training (NABET) would need to include a certificate in this regard in the EIA-EMP reports prepared by them and data provided by other organization/Laboratories including their status of approvals etc. Name of the Consultant and the Accreditation details shall be posted on the EIA-EMP Report as well as on the cover of the Hard Copy of the Presentation material for EC presentation.

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

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

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

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

Item No.200.02: Application for environmental clearance for steel manufacturing unit M/s Bassi Alloys Pvt. Ltd. for increasing the production capacity of Billets/Ingots from 84 TPD to 314 TPD (1,10,000 TPA) and of heavy Rounds/Flats/Structures from 80 TPD to 200 TPD located at village Ambey Majra, Mandi Gobindgarh, District Fatehgarh Sahib, Punjab (Proposal No. SIA/PB/IND/67276/2018).

Background and salient features of the matter are as under:

The industry has applied for environmental clearance for steel manufacturing unit namely M/s Bassi Alloys Pvt. Ltd. for increasing the production capacity of Billets/Ingots from 84 TPD to 314 TPD (1,10,000 TPA) and of heavy Rounds/Flats/Structures from 80 TPD to 200 TPD located at village Ambey Majra, Mandi Gobindgarh, District Fatehgarh Sahib, Punjab.

The industry has also submitted proposal to replace one Induction Furnace of capacity 7 TPH with 15 TPH and addition of one more Induction Furnace of capacity 15 TPH along with existing rolling mill. Thus, after expansion, the production capacity of the industrial unit will become 1,10,000 TPA (315 TPD) of Ingots/Billets with 2 IF's of 15 TPH each capacity and 70,000 TPA (200 TPD) of heavy Rounds/Flats/Structures with rolling mill. Project is covered under Schedule 3(a) & Category 'B' as per EIA Notification, 2006. The Project cost is Rs. 22.14 Cr.

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. DECC/SEIAA/2019/692 dated 22.08.2019.

The industry has submitted the final EIA report incorporating the proceedings of public hearing held on 19.01.2021 and Environmental Clearance fee of Rs. 2,21,400/- deposited through NEFT no. PSIBR21243231002 dated 31.08.2021, as verified by the supporting staff SEIAA.

Punjab Pollution Control Board vide letter no. 4123 dated 10.12.2021 has sent the latest construction status report with details as under:

"……. Now, in reference to the subject cited email, this office was directed to send the report on the following points: -

1. Construction status of the proposed project.
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. Whether the site is meeting the prescribed criteria for setting up of such type of projects.

In compliance to the above, the industry was visited by A.E.E. of this office on 23/09/2021 and observed as under:

Sr. no.	Information sought by SEIAA	Comments of the Board
1.	Construction status of the proposed project.	The industry has proposed to carry out expansion of its existing unit for manufacturing of Ingots/Billets from 84 TPD to 315 TPD (or 1,10,000 TPA) of Ingots/Billets by replacing existing induction furnace of capacity 7 TPH with 15 TPH and by installing additional induction furnace of 15 TPH capacity and manufacturing of 70,000 TPA (or 200 TPD) of Heavy Rounds, Flats & Structures by installing one rolling mill in a total project area of 16,059.47 sq.m located at Village Ambey Majra, Mandi Gobindgarh, Distt. Fatehgarh Sahib, Punjab. It has not started any construction work regarding the proposal of environmental clearance as observed during the visit.
2.	Status of physical structures within 500 m radius of the site including the status of industries, drain, river, eco sensitive structure, if any. The following industries fall within 500 mtr radius of 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 Metals & Alloys, Near Aastha Mill, Ambey Majra, Mandi Gobindgarh 7. Mata Alloys Pvt. Ltd (Punia Alloys), Vill Wazirabad, Ambey Majra Road, Mandi Gobindgarh 8. Kaytx Industries (P) Ltd., Vill Ambey Majra, Mandi Gobindgarh 9. Kanha Concast, Vill Ambey Majra, Chattarpura Road, Mandi Gobindgarh 10. Eden Steel Alloys, Vill. Mullanpur, Ambey majra, Road, Near power Grid, Mandi Gobindgarh 11. Chandigarh Castings Pvt. Ltd., Vill. Ambey Majra, G.T. Road, Mandi Gobindgarh 12. Bhawani Castings (P) Ltd., Vill. Ambey Majra, Mandi Gobindgarh 13. Arihant Pipes Lessee Of M/s Madhav Steel Tubes Earlier Chintpurni Steel Tubes, Village Wazirabad, Ambey Majra Road, Mandi Gobindgarh 14. Akshat Alloys. (Keshav Alloys Pvt. Ltd), Mullanpur Road, Vill. Ambey Majra, Mandi Gobindgarh, 15. Aggarwal Ceramics, Vill. Mullanpur, Ambey Majra

		Also, Sirhind Choe (which finally meets river Ghaggar) is situated within 500 mtr radius of the site of the industry.
3	Whether the site is meeting the prescribed criteria for setting up of such type of projects.	The industry is already situated in Industrial area as per the master plan of Mandi Gobindgarh and it has proposed expansion in its existing premises. However, there are no specific siting guidelines framed by Punjab Pollution Control Board for such type of industry i.e Induction furnace unit. Therefore, proposed site is suitable for establishment of of the proposed expansion project as per siting criteria prescribed by the Board vide circular no. EE(Mega)/2013/19650-19761 dated 30.04.2013.

In addition to above, EE, RO Office, Fatehgarh Sahib has further informed that the industry has submitted landscape plan showing 6459.57 sqr mtr green area (i.e. 40 % of total area) and it has come to the notice of this Regional office that the industry has changed the proposal regarding development of green area, shown as Pocket – B in current plan i.e. vacant agricultural land adjacent to the existing premises of the industry. The industry has now submitted land registration deed of Pocket – B.

Further, regarding rain water harvesting, the industry shall adopt a pond at Village Wazirabad, District- Fatehgarh Sahib and the stream carrying waste water of the village shall be diverted in one corner and it will be 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."

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	Environmental Clearance for the expansion of the existing Industrial Unit
2.	Category/Activity	Shedule: 3(a): Metallurgical Industries (ferrous & non-ferrous) Category: B-1
3.	Whether the project falls in critical polluted	No, the project is not located in critically polluted area as notified by MoEF&CC/ CPCB.

<table>
<tr><td></td><td>area notified by MoEF&CC/ CPCB.</td><td></td></tr>
<tr><td>4.</td><td>a. Total Project Cost

b. Total project cost breakup at current price level</td><td>a. The total cost of Project after expansion: Rs. 22.14 Crores.
b. The break-up of the project cost is given as under:

<table>
<tr><th>Sr. No.</th><th>Description</th><th>Existing Cost (Rs. in Cr.)</th><th>Proposed cost (Rs. in Cr.)</th><th>Total cost after expansion (Rs. in Cr.)</th></tr>
<tr><td>1.</td><td>Land</td><td>0.05</td><td>0</td><td>0.05</td></tr>
<tr><td>2.</td><td>Building</td><td>1.59</td><td>1.10</td><td>2.69</td></tr>
<tr><td>3.</td><td>Plant & Machinery</td><td>7.65</td><td>10.62</td><td>18.27</td></tr>
<tr><td>4.</td><td>APCD/ Continuous online monitoring system/ STP etc.</td><td>0.30</td><td>0.80</td><td>1.1</td></tr>
<tr><td>5.</td><td>Others</td><td>0.01</td><td>0.02</td><td>0.03</td></tr>
<tr><td colspan="2">Total</td><td>9.6</td><td>12.54</td><td>22.14</td></tr>
</table></td></tr>
<tr><td>5.</td><td>Amount of Proccesing Fee deposited by NEFT/DD</td><td>Fees of amount Rs. 2,21,400/- paid online vide RTGS/ PSIBR21243231002 dated 31.08.2021.</td></tr>
<tr><td>6.</td><td>Details of technology proposed for control of emissions & effluents generated from project</td><td>
<table>
<tr><th>S. No.</th><th>Details of proposed APCD/STP</th><th>Technology</th><th>Capacity</th></tr>
<tr><td>1.</td><td>APCD</td><td>Separate APCDs comprising of side suction hood followed by bag filter of capacity 70,000 CMH each will be provided followed by Pulse Jet Bag Filter. Further, no APCD shall be required for re-hearting furnace. Only adequate stack height of 26m will be provided.</td><td>--</td></tr>
<tr><td>2.</td><td>STP</td><td>MBBR</td><td>5 KLD</td></tr>
</table></td></tr>
<tr><td>7.</td><td>Plot Area Details</td><td>Area breakup of the project is given below:</td></tr>
</table>

<table>
<tr><td></td><td></td><td>
<table>
<tr><th>Sr. No.</th><th>Description</th><th>Area (in sq.m.)</th></tr>
<tr><td>1.</td><td>Shed covered area</td><td>7,706.31</td></tr>
<tr><td>2.</td><td>Office block & security room covered area etc.</td><td>141.92</td></tr>
<tr><td>3.</td><td>Stores and other rooms covered area</td><td>680.30</td></tr>
<tr><td>4.</td><td>Green area</td><td>6459.57</td></tr>
<tr><td>5.</td><td>Passage area</td><td>2,869.42</td></tr>
<tr><td>6.</td><td>Transporting parking area</td><td>611.05</td></tr>
<tr><td>7.</td><td>Grid, open & other area</td><td>1,773.04</td></tr>
<tr><td colspan="2">Total Land Area</td><td>16,059.4 sq.m. (4 acres)</td></tr>
</table>
</td></tr>
<tr><td>8.</td><td>Type of project land as per master plan</td><td>The project falls in Industrial Zone as per Master Plan of Mandi GobindgarhIndustrial zone.</td></tr>
<tr><td>9.</td><td>ToR Compliance Report</td><td>Submitted</td></tr>
<tr><td>10.</td><td colspan="2">Public Hearing Proceedings (Action Taken)
<table>
<tr><th>Sr. No.</th><th>Name & Address of the person</th><th>Detail of query/ statement/ information/ clarification sought by the person present</th><th>Reply of the query/ statement/ information/ clarification given by the project proponent</th><th>Action Plan</th></tr>
<tr><td>1.</td><td>Sh. Gurmeet Singh, S/o S. Avtar Singh, Resident of Village Mullanpur, Fatehgarh Sahib.</td><td>He stated that village is not having proper road for movement of vehicles. The wastewater of the industries located in the area is discharged into the sewer line, which is not functioning properly due to which the</td><td>Environmental Consultant informed that the wastewater of the industry will be treated in STP and not a drop of wastewater will be allowed to discharge on the road. He further informed that they will collect rainwater in a tank and after treatment, rainwater</td><td>STP of capacity 5 KLD will be installed within the project premises to treat the domestic wastewater generated from the industrial unit as soon as EC will be granted. The treated water will</td></tr>
</table>
</td></tr>
</table>

				wastewater comes in the reverse direction instead of going to the STP. Thereby, arising stagnation along the road in premises of school of Village Ambey Majra. The industries during their public hearing make commitments with the residents of nearby area that they will spend CSR funds for the development of area but such commitments had never been fulfilled, when the residents of village ask for fulfilment of assurance, industrialists did not allow the residents to enter the premises of the unit. Industries located near the village causes air pollution with impunity due to which white clothes put on roof for drying gets black. Same situation is prevailing at villages Wazirabad, Mullanpur and Ambey Majra.	will be utilized in the premises with the help of sprinkler for suppression of dust. Also, the industry shall make arrangements to prevent the rainwater from going outside the industrial premises on the road. The industry will install the Air Pollution Control Devices as per the design given by the Punjab State Council for Science & Technology and six-monthly monitoring of these devices will be done by PPCB Lab or any other lab authorized by the PPCB. Further, Environmental Consultant informed that Sh. Gaurav Singla (Director) will be responsible for implementation of CORPORATE ENVIRONMENT RESPONSIBILITY (CER) activities. The total cost of the project is 22.14 Crores. Thus 22.14 Lakhs (@ 1% of the proposed cost i.e. 22.14 Crores) is required for CER activities as per the Office Memorandum	be used within the industrial premises for cooling purpose. No wastewater will be discharged outside the project premises. Also, the rain water will be collected from rooftop area and stored within the project in a storage tank of capacity 10,000 lts. The harvested rain water will be reused for sprinkling purpose at the loading & unloading areas. Further, Side suction hood followed by pulse jet bag filter will be installed as APCD on the new Induction Furnaces to control air pollution as soon as EC will be granted. Also, Rs. 22.2 lakhs will be spent within time period of 1 year from grant of EC for CER activities as mentioned.

					vide F. No. 22-65/ 2017- IA.III dated 01.05.2018. The following activities have been proposed to be covered under CER. **Education:** Adoption of Government Primary School located in the Village Ambey Majra, Mandi Gobindgarh for following activities: • Maintenance of school building • Provisions of the paved tiles • Construction of separate Toilets for boys & girls • Provisions of 10 laptops • Plantation drive in school • Provisions of water coolers as well as internet facility. Sh. Gaurav Singla, Director of the industry present during hearing assured to complete all the commitments stated above and as mentioned in the CER activities after the commissioning of project within the timeline of one year	In addition to this, overall Rs. 1 lakh will be spent on cleaning of the sewer line and road repair as a joint operation.

				by spending the amount of 22.2 Lacs. Further, Chairperson along with the Officials of PPCB visited the site along with Sh. Gurmeet Singh, Sh. Gurtej Singh and other village residents and observed that stagnation of wastewater in the Village school and agricultural fields was due to breakage of sewerage at certain points and silt deposition in the sewerage system. The Chairperson decided during spot visit that sewerage system of the area will be cleared periodically by the industries of the said area and they will not discharge any trade effluents in the sewer line. Chairperson also asked the industrialists to jointly get the road repaired for common use. Also, Chairperson directed the EO, MC Mandi Gobindgarh to complete the sewer line and get it cleaned regularly.	
	2.	S. Gurtej Singh S/o Sh.	He stated that the wastewater	Chairpersons along with the Officials of	Overall Rs. 1 lakh will be spent on

			Kulwinder Singh, Resident of Village Ambey Majra, Fatehgarh Sahib.	discharged by the industries in the sewer is coming back to their village causing stagnation in the School of their village. Earlier, the dispensary of their Village was having same condition and no resident is able to enter the premises of the dispensary. They have made so many complaints but no one is taking any action.	PPCB visited the site along with Sh. Gurmeet Singh, Sh. Gurtej Singh and other village residents and observed that stagnation of wastewater in the School and agricultural fields was due to breakage of sewerage at certain points and due to silt deposition in the sewerage system. The Chairperson directed that the industrialists will get the sewage lines cleared with their own efforts periodically and will not discharge the effluents in the sewage line. The Chairperson also asked that they should diligently fulfill their CER obligations.	cleaning of the sewer line and road repair as a joint operation.
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:					

Sr. No.	Raw Materials	Existing (TPA)	Proposed (TPA)	Total after expansion (TPA)

	1.	Scrap & Ferro Alloys	92 TPD (32,200 TPA)	253 TPD (88,550 TPA)	345 TPD (1,20,750 TPA)	

13. Details of the products given below:

Sr. No.	Product Name	Existing (TPA)	Additional (TPA)	Total after expansion (TPA)
1.	Ingots/Billets	84 TPD (29,400 TPA)	230 TPD (80,600 TPA)	314 TPD (1,10,000 TPA)
2.	Heavy rounds/ Flats/Structures	80 TPD (28,000 TPA)	120 TPD (42,000 TPA)	200 TPD (70,000 TPA)

14. Details of major machinery given below:

Sr. No.	Equipment's/ Machinery	Existing	Proposed	Total after expansion
1.	Induction Furnace	1 × 7 TPH	2 × 15 TPH (Replacement of existing IF along with addition of 1 more IF)	2 × 15 TPH
2.	Rolling Mill	1 (80 TPD)	1 (200 TPD)	1 (200 TPD)
3.	Reheating Furnace	--	1	1

15. Manpower requirement

Details of manpower is given below:
Existing manpower: 30 persons
Proposed: 50 persons
Total after expansion: 80 persons.
Out of this, 10 workers will be residing within project premises.

16. Details of emissions after expansion:

Sr. No.	Source	Fuel	APCD
1.	Induction Furnaces: 2 × 15 TPH	Electricity	Side suction hood will be provided followed by Pulse Jet Bag Filter
2.	DG sets: 1 × 125 KVA & 1 × 380 KVA	H.S.D	Canapy cover with adequate stack height

17. Hazardous/Non-Hazardous Waste Generation details & their storage, utilization and its disposal. Copy of agreement clearly mentioning the Quantity

S. No	Waste catagory	Existing	Total after expansion	Disposal
1.	Category 5.1 Used oil	0.020 KL/annum	0.4 KL/annum	Agreement done with M/s BRS Lubricants
2.	Category 35.1APCD dust	0.2 TPD	0.8 TPD	Agreement done with M/s Madhav KRG Ltd. (formerly known as Madhav Alloys Pvt. Ltd.)

18. Solid Waste Generation and its mode of Disposal

S. No.	Type of waste	Existing	Toal after expansion	Disposal method
1.	Slag	3 TPD	10 TPD	20% reused for metal recovery & remaining 80% sold to M/s Khanna Cement Products for co-processing.

19. Wastewater generation & its disposal Arrangement in Operation phase:

S. No.	Description	Total after expansion	Mitigation Measures/ Remarks
1.	Domestic wastewater	3.6 KLD	Will be treated in proposed STP of capacity 5 KLD
2.	Industrial effluent	Nil	--

20. 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	6.5	32
2.	Domestic water demand	1.5	4.5
3.	Green area demand • Summer • Winter • Monsoon	 • 1.5 • 0.5 • 0.1	 • 12.5 • 4 • 1

Source of water:

S. No.	Purposes	Source of water
1.	Make-up water for cooling demand	Treated and ground water
2.	Domestic water demand	Ground water
3.	Green area demand	Ground water

22.	Rain Water Harvesting proposal (within/outside	Within project premises: Rain water will be collected from roof-top area and stored within the project in a storage tank of capacity 10,000

<table>
<tr><td></td><td>premises) along with NOC from concerned village Sarpanch</td><td>lts. The harvested rain water will be reused within the project premises for horticulture or sprinkling in loading & unloading areas.

Outside project premises: Pond located in the village Wazirabad has been adopted for rain water recharging. A copy of no-objection certificate has been obtained from Sarpanch Gram Panchayat, village Wazirabad for carrying out rain water harvesting in the pond having area of @ 0.5 acres.</td></tr>
<tr><td>23.</td><td>Block wise details of no. of trees to be planted in proposed greenbelt area (1500 trees to be planted @ 1000 sq.m area):</td><td>The blockwise green area and no. of trees planted are given below:
<table>
<tr><th>Sr. 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>6,205</td><td>86</td></tr>
<tr><td>2.</td><td>Block B</td><td>15,002</td><td>208</td></tr>
<tr><td>3.</td><td>Block C</td><td>2,528</td><td>35</td></tr>
<tr><td>4.</td><td>Block D</td><td>770</td><td>11</td></tr>
<tr><td>5.</td><td>Block E</td><td>45,000</td><td>625</td></tr>
<tr><td colspan="2">Total</td><td>69,505 sq. ft. or 6459.57 sqm</td><td>965</td></tr>
</table></td></tr>
<tr><td>24.</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>KVA</td><td>6,200</td><td>8,000</td><td>14,200</td></tr>
<tr><td>D.G sets</td><td>KVA</td><td>125</td><td>380</td><td>125 & 380</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>25.</td><td colspan="2">EMP Budget derails:
<table>
<tr><th>S. No.</th><th>Details</th><th>Capital Cost (In Lakhs)</th><th>Recurring Cost (In Lakhs/annum)</th></tr>
<tr><td>(i)</td><td>APCD (including OCEMS)</td><td>100</td><td>5</td></tr>
<tr><td>(ii)</td><td>STP</td><td>10</td><td>4</td></tr>
<tr><td>(iii)</td><td>ETP</td><td>--</td><td>--</td></tr>
</table></td></tr>
</table>

	(iv)	Green belt development with maintenance plan for 3 years	10	9 (3 lakhs per annum)
	(v)	Rain Water Harvesting	10	1
	(vi)	Environment Monitoring	3	5
	(vii)	Solid Waste Management	4	1
	(viii)	Energy Conservation	3	1
	(ix)	Disaster and Risk Management	4	1
	(x)	Noise Pollution Control	1	0.5
	Total		145 lakhs	21.5 lakhs per annum

A duly constituted EMC comprises the following:

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

26. CER/EMP Activities

Mr. Gaurav Singla (Director) will be responsible for implementation of the CER activities. Rs. 23.2 lakhs will be spent under following CER activities as discussed during public hearing as per Office Memorandum vide F.No. 22-65/2017-IA.III dated 25.02.2021.

S. No.	Activities	Annual Expenditure (in lakhs)	Timeline	Total Expenditure in 1 Year (in lakhs)
1.	Education Adoption of Government Primary School located in the Village Ambey Majra, Mandi Gobindgarh for following activities: • Maintenance of school building • Provision of paved tiles • Construction of separate toilets for boys & girls • Provision of 10 laptops	22.2	1 year	22.2

Sr. no.	Environmental Protection measures	Capital Cost (Rs. in lacs)	Recurring Cost (Rs. In Lacs/year)
1.	Air Pollution Control (Installation of APCD including OCEMS)	100	05
2.	Water pollution Control (STP)	10	04
3.	Noise Pollution Control	01	0.5
4.	Green Belt Development	10	03
5.	Solid Waste Management	04	01
6.	Environment Monitoring and Management	03	05
7.	Health safety and risk assessment	04	01
8.	Rain water recharging out side the project premises	10	01
9.	Miscellaneous	03	01
Total		145	21.5

	• Plantation drive in school • Provision of water coolers as well as internet facility			
2.	Others • Cleaning of the sewer line and Village road repair as a joint operation by industrialists	1	1 year	1
Total		23.2	1 year	23.2

Cost of Environmental Protection measures

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

1.0 Deliberations during 211th meeting of SEAC held on 25.12.2021
The meeting was attended by the following:

(i) Mr. Gaurav Singla, Director.
(ii) Ms. Priyanka Madan, M/s Eco Laboratories & Consultant Pvt. Ltd Environment Consultant of the project proponent.

During meeting, SEAC perused the proceedings of public hearing wherein Sh. Gurtej Singh R/o village Ambey Majra, Fatehgarh Sahib pointed out that the waste water discharged by the industries is coming back to their village causing stagnation in the school of their village. The Project Proponent has earmarked Rs. 1 lac for cleaning of the sewer line and road repair.

SEAC observed that the cost earmarked for cleaning of sewer line and road repair is not sufficient. The Project Proponent apprised the Committee that the sewer has already been laid in the said area and the problem of cleaning of sewer line has been resolved. Further the road falls in the jurisdiction of Municipal Corporation which is taking action for its repair.

After detailed deliberations, SEAC decided to defer the case till the compliance of the below mentioned observations:

(i) The Project Proponent shall submit the letter from the competent authority that the sewer line has been laid and the problem of stagnation in the school has been resolved.

(ii) The Project Proponent shall submit the letter from the concerned MC that the work pertaining to repairing the road shall be undertaken by it. Further, in case the road is not being undertaken by MC then the project proponent shall provide sufficient funds in the EMP for repairing the said road.

(iii) The capacity of APCD i.e. 70000 CMH for 15 TPH capacity induction furnace was found to be inadequate. The project proponent was asked to revise the capacity of APCD.

(iv) The project proponent was asked to upgrade the capacity of existing APCD installed for 80 TPD reheating furnace as the capacity of the furnace is proposed to be upgraded to 200 TPD.

1.0 Deliberations during 213th meeting of SEAC held on 24.01.2022.
The meeting was attended by the following:

(i) Mr. Gaurav Singla, Director.
(ii) Dr. Sandeep Garg, EIA Coordinator, M/s Eco laboratories Pvt Ltd.

During meeting, the Project Proponent submitted the copy of permission letter issued by PWRDA vide letter dated 16.09.2021 for abstraction of 45.5 KLD of ground water. A copy of the same is

attached at **Annexure-A.** Further, he submitted the reply of the ADS raised through online Parivesh Portal as under:

Sr. No.	ADS raised through Parivesh Portal	Reply of the Project Proponent
1.	The Project Proponent shall submit the letter from the competent authority that the sewer line has been laid and the problem of stagnation in the school has been resolved.	The Project Proponent submitted a copy of the letter no. 08 dated 06.01.2022, issued by Sub-Divisional Engineer, Punjab Sewerage Board, Mandi Gobindgarh regarding laying of sewer and water supply lines in the Village Ambey Majra, Mandi Gobindgarh. Further, the complainant i.e. Mr. Gurtej Singh in his written statement informed that issue of stagnation problem of wastewater in the school premises of Village Ambey Majra, after laying of sewerage system has been resolved.
2.	The Project Proponent shall submit the letter from the concerned MC that the work pertaining to repairing the road shall be undertaken by it. Further, in case the road is not being undertaken by MC then the project proponent shall provide sufficient funds in the EMP for repairing the said road.	The project proponent submitted a copy of memo no. 6751 dated 23.12.2021 issued by PWD Department, Sirhind on dated 23.12.2021 stating that the tender regarding road repair from GT Road to Sounda via Ambey Majra (stretch of 1.87 Km) has been allotted and is to be completed within 6 months. Further, stone has laid by the cabinet minister for initiating the road work.
3.	The capacity of APCD i.e. 70000 CMH for 15 TPH capacity induction furnace was found to be inadequate. The project proponent was asked to revise the capacity of APCD.	The project proponent informed that two APCDs i.e. side suction hood followed with bag filter of 80000 CMH capacity each will be installed on both the Induction Furnaces of 15 TPH capacity each.
4.	The project proponent was asked to upgrade the capacity of existing APCD installed for 80 TPD reheating furnace as the capacity of the furnace is proposed to be upgraded to 200 TPD.	The project proponent informed that 80 TPD Rolling Mill has been installed and there is no Reheating Furnace existing at site. For proposed Reheating Furnace of 120 TPD, PNG fuel will be used. Thus, no air pollution will be generated and no APCD will be required. However, adequate stack height of 26 m will be provided.

The Committee examined the reply of the Project Proponent and the same was found to be satisfactory.

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 increasing the production capacity of Billets/Ingots from 84 TPD to 314 TPD (1,10,000 TPA) and of heavy Rounds/Flats/Structures from 80 TPD to 200 TPD located at village Ambey Majra, Mandi Gobindgarh, District 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 special condition along with other standard conditions:-

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 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.
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. The project proponent shall adhere to 'Zero Liquid Discharge'.

iii. Septic Tank shall be provided for treatment of domestic wastewater to meet the prescribed standards.

iv. 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.

v. The project proponent shall practice rainwater harvesting to the maximum possible extent. For this, a pond at Mandi Gobindgarh having recharge potential of volume @ 18,210 m^3 shall be adopted to recharge the water @ 9,105 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.

vi. 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 tree species in accordance with SEIAA guidelines. Total 965 trees to be planted without accounting the shrubs. Tree species of Shisham, Kachnar, Bungania and False Ashok will be planted in phase manner.

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 not to be diverted for any other purpose. The project proponent shall spend a minimum amount of Rs 145 Lakhs towards the capital cost and Rs 21.5 Lakhs/annum towards recurring cost including the environmental monitoring cost for the implementation of EMP as proposed in following EMP plan. The Project Proponent shall spent Rs. 45.4 lacs under CER activities as proposed in the application proposal in line with the compliance of proceedings of public hearing of the project.

Sr. No.	Environmental protection measures	Capital cost (Rs. in lakhs)	Recurring cost (Rs. in lakhs/ year)
1.	Air Pollution Control (Installation of APCD including OCEMS)	100	5
2.	Water Pollution Control (STP of capacity 5 KLD)	10	4
3.	Noise Pollution Control (Provision of acoustic enclose for DG sets and ear plus etc. for workers)	1	0.5
4.	Green Belt Development (plantation & maintenance)	10	3
5.	Solid Waste Management (management & disposal of domestic solid waste, slag and Hazardous waste)	4	1
6.	Environment Monitoring & Management	3	5
7.	Health, Safety & Risk Assessment (Medical checkup, ESI and PPE kit for workers)	4	1

8.	Rain Water Recharging outside the project premises (pond adoption)	10	1
9.	Miscellaneous	3	1
10	CER activities	-	As proposed (22.2+1.0 23..2
Total		**145**	**21.5**

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

iv. Self-environmental audit shall be conducted annually. Every three years third-party environmental audit shall be carried out.

v. All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the plants shall be implemented.

X. Validity

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

XI. Miscellaneous

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

ii. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.

iii. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.

iv. The project proponent shall monitor the criteria pollutants level namely; 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 plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).

xi. Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.

xii. The SEIAA/Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.

xiii. The SEIAA/ Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time-bound manner shall implement these conditions.

xiv. The Regional Office of this Ministry and Punjab Pollution Control Board shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office and PPCB by furnishing the requisite data/ information/monitoring reports.

xv. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.

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

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

The case was considered by SEIAA in its 200th meeting which was attended by the following:

(i) Mr. Gaurav Singla, Director.

(ii) Dr. Sandeep Garg, M/s Eco Laboratories & Consultant Pvt. Ltd Environment Consultant of the project proponent.

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

To a query by SEIAA regarding delay in the submission of the EIA report and EC application, environmental consultant replied that District Administration was not in a position to conduct the public hearing due to the Covid-19 guidelines issued by the Government.

To another query by SEIAA, project proponent submitted an undertaking to the effect that pocket-B (vacant agriculture land adjacent to the existing premises of the industry) will not to be diverted for any other purposes except development of green area for the entire life of the Project. The said undertaking submitted by the project proponent was taken on record by SEIAA.

Further, to a query by SEIAA, project proponent submitted a revised proposal of amount Rs. 23.2 lacs to be spent under CER activities as under

Sr. No.	Activities	Annual Expenditure (in lakhs)	Timeline	Total Expenditure in 1 Year (in lakhs)
1.	Plantation 2000 tall plants of minimum 6ft height and woody stem of native species like Neem, Drek, Kadam, Kusum, Semul, Pilkhan, Peepul, Banyan, Chakrassia etc shall be planted in the vicinity of the project in / around Ambey Majra and same shall be maintained for 3 years.	22.2	1 year	22.2
2.	**Others** Cleaning of the sewer line and Village road repair as a joint operation by industrialists	1	1 year	1
Total		**23.2**	**1 year**	**23.2**

An undertaking submitted with respect to the aforesaid CER activities, was taken on record by SEIAA.

On being asked by SEIAA, Project Proponent and their Environmental Consultant agreed to 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. SEIAA decided to impose an additional condition in this regard.

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

After detailed deliberations, SEIAA decided to accept the recommendations of SEAC and grant Environmental Clearance for increasing the production capacity of Billets/Ingots from 84 TPD to 314

TPD (1,10,000 TPA) and of heavy Rounds/Flats/Structures from 80 TPD to 200 TPD by M/s Bassi Alloys Pvt. Ltd. located at village Ambey Majra, Mandi Gobindgarh, District Fatehgarh Sahib, Punjab as per the details mentioned in Form 2, EIA report and subsequent presentations /clarifications made by the project proponent / his consultant with proposed measures, conditions as recommended by SEAC, amended conditions as agreed by the project proponent and additional condition as under:-

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

(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 168.2 Lakhs towards the capital cost and Rs 21.5 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.	Air Pollution Control (Installation of APCD including OCEMS)	100	5
2.	Water Pollution Control (STP of capacity 5 KLD)	10	4
3.	Noise Pollution Control (Provision of acoustic enclose for DG sets and ear plus etc. for workers)	1	0.5
4.	Green Belt Development (plantation & maintenance)	10	3
5.	Solid Waste Management (management & disposal of domestic solid waste, slag and Hazardous waste)	4	1
6.	Environment Monitoring & Management	3	5
7.	Health, Safety & Risk Assessment (Medical checkup, ESI and PPE kit for workers)	4	1
8.	Rain Water Recharging outside the project premises (pond adoption)	10	1
9.	Miscellaneous	3	1

10.	CER activities	23.2*	-
Total		**168.2**	**21.5**

CER Activities:

As proposed, project proponent shall spend amount of Rs. 23.2 lacs under CER activities as under:

Sr. No.	Activities	Annual Expenditure (in lakhs)	Timeline	Total Expenditure in 1 Year (in lakhs)
1.	Plantation 2000 tall plants of minimum 6ft height and woody stem of native species like Neem, Drek, Kadam, Kusum, Semul, Pilkhan, Peepul, Banyan, Chakrassia etc shall be planted in the vicinity of the project in / around Ambey Majra and same shall be maintained for 3 years.	22.2	1 year	22.2
2.	**Others** Cleaning of the sewer line and Village road repair as a joint operation by industrialists	1	1 year	1
Total		**23.2**	**1 year**	**23.2**

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.

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.

XII Additional Conditions:

(i) The project proponent shall not divert pocket-B (vacant agriculture land adjoining the existing premises of the industry) for any other purposes except development of green area for the entire lifetime of the Project.

(ii) 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.200.03: Application for environmental clearance for establishment of steel manufacturing unit having proposed capacity 1,72,800 TPA of steel Ingots/billets and 1,70,000 TPA of round, coil, flats, wire rod, TMT Bars by installing 3X15 TPH of induction furnaces, at Wazirabad, Sirhind side, Tehsil & District- Fatehgarh Sahib, Punjab by M/s Pawanputra Steels (Proposal No. SIA/PB/IND/69812/2020)

Background and salient features of the matter are as under:

The industry has applied for obtaining environmental clearance for establishment of steel manufacturing unit having proposed capacity 1,72,800 TPA of steel Ingots/billets and 1,70,000 TPA of round, coil, flats, wire rod, TMT Bars by installing 3X15 TPH of induction furnaces, at Wazirabad, Sirhind side, Tehsil & District- Fatehgarh Sahib, Punjab.

The unit shall also install a concast Machine & a Rolling Mill. The total area of the project is 8.62 acres or 34997.67 sqm., of land. The capacity of the unit will be 1,78,200 TPA of Steel Ingots/Billets & 1,70,000 TPA of round, coil, flats, wire rod, TMT Bars. The total cost of the project Rs. 30 Cr.

The project falls within activity 3 (a) Metallurgical Industries (ferrous & non-ferrous) & Non-Toxic Secondary Metallurgical processing industry with capacity > 30,000 TPA, so the project is to be treated as category B1 as per MoEF&CC OM dated 24.12.2013, and its Environment Clearance is to be accorded by the SEIAA, MoEF&CC, Punjab.

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/2020/2012 dated 08.09.2020. The public hearing for the same was conducted on 30.09.2021. The Project Proponent has submitted final EIA report after incorporating the said proceedings and Environmental Clearance fee of Rs. 75000/- through NEFT on 21.04.2020 and Rs.2,25,000/- submitted through NEFT vide UTR no.- HDFCR52021120882292719 on dated 08/12/2021, as verified by the supporting staff SEIAA.
The Project Proponent has undertaken that the information given in the application is true to the best of his knowledge and belief and no facts have been concealed therefrom. Further, he is aware that in case any information submitted is found to be false or misleading at any stage, the project will be rejected and clearance given, if any to the project will be revoked at their risk and cost.

Punjab Pollution Control Board vide e-mail dated 15.12.2021 was requested to furnish the latest construction status report of the project. Accordingly, Punjab Pollution Control Board vide letter no. 226 dated 19.01.2022 sent the latest construction status report.

The relevant contents of the report are reproduced as under:

"The site of the industry was visited by the AEE of Regional Office, Fatehgarh Sahib on 12.01.2022 and the point wise comments are as under:

Sr No	Information Sought	Comments
1.	Construction status of the proposed project. Send the clear-cut report as to whether construction has been started for the proposed project except acquiring the land.	The industry has not started any construction work regarding the proposal of Environmental Clearance as observed during the visit. However, the industry has only construction boundary wall of its premises.
2.	Status of physical structures within 500m radius of the site including the status of industries, drain, river, eco-sensitive structure, if any.	The following industrial unit are located within 500m radius of the proposed project. 1. M/s Vardhman Adarsh Ispat (P) Ltd., Village Ambey Majra, Near 220 KVA Grid, Mandi Gobindgarh. 2. M/s Mata Alloys Pvt. Ltd., (Punia Alloys), Village Wazirabad, Ambey Majra Road, Mandi Gobindgarh. 3. M/s Eden Steel Alloys, Village Mullanpur, Ambey Majra, Road, Near Power Grid, Mandi Gobindgarh. 4. M/s Chandigarh Casting Pvt. Ltd., Village Ambey Majra, G.T. Road, Mandi Gobindgarh. 5. M/s Bhawani Casting (P) Ltd., Village Ambey Majra, Mandi Gobindgarh. 6. M/s Airhant Pipes Lessee of M/s Madhav Steel Tubes Earlier Chintpurni Steel Tubes, Village Wazirabad, Ambey Majra Road, Mandi Gobindgarh. 7. M/s Akshat Alloys. (Keshav Alloys Pvt. Ltd., Mullanpur Road, Village Ambey Majra, Mandi Gobindgarh. 8. M/s Aggarwal Ceramics, Village Mullanpur, Ambey Majra, District Fatehgarh Sahib. 9. M/s JMK Industries, Village Wazirabad, Sirhind, District Fatehgarh Sahib. 10. M/s Salasar Casting Village Mullanpur, Ambey Majra, District Fatehgarh Sahib. 11. M/s Natural Casting, Village Mullanpur, Ambey Majra, District Fatehgarh Sahib. 12. M/s Pushpanjli Strips, Village Mullanpur, Ambey Majra, District Fatehgarh Sahib.

		Further, as reported by AEE, Sirhind Choe falls within the radius of 500m.
3.	Whether the site is meeting of prescribed criteria for setting up of such type of projects	The proposed site of the industry is situated in industrial area as per the Master Plan of Mandi Gobindgarh. Also, the industry has obtained change of land use certificate from agricultural to industrial vide Senior Town Planner, SAS Nagar letter no. 188 193-STP (S)/SS-11 (F1) dated 05.02.2020 for Khasra no. 19//19, 19//18, 19//17, 19//16/2/2, 19//16/2/2, 19//21, 19//22, 19//23, 19//24, 18//25/1/2, 18//25/2/1/1, 19//25/1/2, 18//16 min., 19//20 total land area of 8.62 acres. There is no residential area within radius of 100m around the proposed site. No specific siting guidelines framed by Punjab Pollution Control Board for such type of industry i.e. induction furnace units, therefore, the proposed site of the industry is suitable for establishment of induction furnace unit. "

1.0 Deliberations during 213th meeting of SEAC held on 24.01.2022.

The meeting was attended by the following:

1. Sh. Pawan Bansal, Director.
2. Sh. Sital Singh, EIA Coordinator, M/s CPTL, 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:

1.	Name of the project	M/s Pawanputra Steels Pvt. Ltd. Village- Wazirabad, Sirhind side, Tehsil & District- Fatehgarh Sahib, Punjab.
2.	Online Proposal No.	**SIA/PB/IND/69812/2020**
3.	Nature of project (EC for new project/EC for Expansion/ EC for existing & proposed project)	EC for proposed project as mentioned above
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 & non-ferrous) (8), Schedule 3(a) as per EIA notification-2006.
5.	a. Whether the project falls in the critical polluted area notified by	The site does not fall in critical polluted area.

	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)	
6.	Whether project is located in the eco-sensitive zone, if so whether the project activity is permissible in the ESZ notification.	No, the project site does not fall in the any notified eco-sensitive zone.
7.	a. Project area involves forest land, (Yes/No), **If yes,** then details of the the extent of area involved and copy of permission & approval for the use of forest land	No, un undertaking in this regard has been submitted wherein it has been mentioned that no land covered under Forest Conservation Act 1980 or Punjab Land Preservation Act 1900 is involved in the project. Further, it has also been mentioned that no area under Wild Life Protection Act 1972 is involved in the project.
	b. Project area involves land under PLPA (Yes/No), **If yes,** then details of the the extent of area involved and copy of permission & approval for the use of PLPA land c. Project area involves Wild Life Area, (Yes/No), **If yes,** then details of the extent of area involved and copy of permission & approval under Wild Life	

<table>
<tr><td></td><td>(Protection) Act 1972 for the use of said land.</td><td></td></tr>
<tr><td>8.</td><td>a. Total Project Cost (In Crores):

b. Total project cost breakup at current price level duly certified by Chartered Engineer/ Approved valuer or Chartered Accountant</td><td>a. Total Project Cost (In Crores): Rs. 30.0 Crore

b. Total project cost breakup is as under:
<table>
<tr><th>S. No.</th><th>DESCRIPTION</th><th>TOTAL COST (RS. IN CRORES)</th></tr>
<tr><td>1.</td><td>Cost of land at current price level & area in sqm</td><td>Rs 1.5 Crore</td></tr>
<tr><td>2</td><td>Buildings</td><td>Rs 6.0 Crore</td></tr>
<tr><td>3.</td><td>Plant & Machinery</td><td>Rs 18.75 Crore</td></tr>
<tr><td>4</td><td>*Proposed APCD / ESP / ZLD / ETP/STP/Continuous online monitoring system etc.
Bag filter (Offline cleaning technology)-</td><td>Rs 1.35 Crore</td></tr>
<tr><td>5.</td><td>Others & miscellaneous</td><td>Rs 2.40 Crore</td></tr>
<tr><td colspan="2">TOTAL</td><td>RS 30 CRORES</td></tr>
</table></td></tr>
<tr><td>9.</td><td>Details of technology proposed for control of emissions & effluents generated from project</td><td>
<table>
<tr><th>S. 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>Pulse jet bag filter with Offline cleaning technology</td><td>--</td></tr>
<tr><td>2</td><td>STP</td><td>MBBR</td><td>10KLD</td></tr>
<tr><td>3</td><td>ETP</td><td>--</td><td>--</td></tr>
<tr><td>4</td><td>ZLD Technology</td><td>--</td><td>--</td></tr>
<tr><td>5</td><td>Continuous online emission/effluent monitoring system</td><td>--</td><td>--</td></tr>
<tr><td>6</td><td>Any other</td><td>--</td><td>--</td></tr>
<tr><td colspan="2">Total</td><td></td><td></td></tr>
</table></td></tr>
</table>

<table>
<tr><td>10.</td><td>Plot Area Details</td><td>
<table>
<tr><th colspan="2">DETAIL OF AREA</th></tr>
<tr><th>DESCRIPTION</th><th>AREA
SQMT</th></tr>
<tr><td>Total Plot Area</td><td>34997.67</td></tr>
<tr><td>Shed Covered Area</td><td>15334.57</td></tr>
<tr><td>Office Block covd. Area</td><td>74.34</td></tr>
<tr><td>Stores, Toilet Block, Meter room, Hazardous waste room etc. covd. Area</td><td>316.44</td></tr>
<tr><td>Green Area</td><td>11737.91</td></tr>
<tr><td>Passage Area</td><td>3485.13</td></tr>
<tr><td>Total parking area</td><td>695.12</td></tr>
<tr><td>Grid area, APCD unit area, Water Complex area & other area</td><td>1695.39</td></tr>
<tr><td>Grid area, Open area & other area</td><td>3354.13</td></tr>
<tr><td></td><td></td></tr>
<tr><th colspan="2">SHED DETAIL</th></tr>
<tr><th>DESCRIPTION</th><th>AREA (SQMT)</th></tr>
<tr><td>Shed Covered Area</td><td>15334.57</td></tr>
<tr><td>Raw (scrap) Material Area</td><td>4749.07</td></tr>
<tr><td>Finished Good Area (Rolling product/billet)</td><td>4627.09</td></tr>
<tr><td>Slag storage area</td><td>255.57</td></tr>
<tr><td>Working Area, Furnace Rooms/ MC Slag Area/CCM Plant, Cooling Bed, R-Mill Stand & Spectra Lab., Panels, Passage, APCD Units, Water Complex, Control Cabin & Other Shed Area</td><td>5702.83</td></tr>
</table>
</td></tr>
<tr><td>11.</td><td>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</td><td>A coloured copy of the Master Plan of Mandi Gobindgarh showing the location of project site in industrial zone submitted.

Further, permission for CLU from agricultural to industrial zone for total land area 8.62 acres has been obtained vide memo no. 185-STP(S)/SAS-11(FI) dated 05.02.2020 from Senior Town Planner SAS Nagar.</td></tr>
</table>

<table>
<tr><td></td><td>(DTP/CTP) intimating land use pattern of the project site as per proposals of Master Plan of the area. (Submitted/Not Submitted)</td><td></td></tr>
<tr><td>12.</td><td>Details of Consent to Establish/No Objection Certificate and Consent to Operate (in case of units operating prior to EIA Notification 2006, CTE and CTO of FY 2005-2006) obtained from the SPCB</td><td>It is a new project.</td></tr>
<tr><td>13.</td><td>ToR compliance report (Submitted/ not submitted)</td><td>Submitted.</td></tr>
<tr><td>14.</td><td colspan="2">Compliance report of public hearing proceedings (Action Taken) submitted as under:
<table>
<tr><th>Sr. No</th><th>Name & address of the person</th><th>Detail query /statement/information/ clarification sought by the person present</th><th>Reply of the query / statement/ information/clarification given by the project proponent</th><th>Action Plan</th></tr>
<tr><td>1.</td><td>Sh. Gurmeet Singh, Mullanpur Kalan, District Fatehgarh Sahib.</td><td>1. He stated that Rs. 60 lakhs should be set aside by the industry for social activities will not be spent by the industry later.</td><td>Industry Environment Consultant, Er. S.S. Matharu said that this industry has set aside Rs. 60 lakhs for social works. Common works to be carried out in the adjoining villages such as repair/cleaning of school building, cleaning of village pond or training of village girls in sewing and embroidery and planting of trees in the common land of the village. Anyone who wants to get this work done should submit a proposal to the industry. The industry will be bound to get this work</td><td>As per guidelines by MoEF&CC, Industry has already kept amount of Rs 60. Lakhs for CER activities. The proposed CER activities will be done in timely manner.</td></tr>
</table></td></tr>
</table>

				done. Mr. Gurmeet Singh has expressed concern that the funds set aside by the industry are not being spent later on. The Environmental Consultant of the industry said that if the industry does so then you can complain to the local administration and get such work done.	
			2. The three kilns being set up by the industry would cause pollution which would affect the health of children of nearby schools.	Industry Environment Consultant, Er. S.S. Matharu said that the industry is being set up in 8.6 acres of land. According to the rules, 33% of the land is reserved for green belt in which plants will be planted. The kilns installed in this industry are based on the latest technology which not only reduces air pollution. Also, it will not affect the surrounding area. The Environmental Consultant also said that by installing this side hood device as APCD, the dust comes out of it. They will sell the dust in the market from which the industry gets money.	As per CPCB guidelines, Industry has already kept 11737.91 $m^2$of area (33% of total area). Thus, in total 1760 plants will be planted. Green belt development will be done in two phases i.e. June-2022 and June 2023. **Budgetary Allocation**- 7.1 lakhs as capital cost and 2 lakhs as recurring cost per annum shall be spent

					under EMP Budget.
			3. The road leading to the industrial site is already in poor condition.	Industry Environment Consultant, Er. S.S. Matharu said that the road work has to be done by the district administration. During the hearing ADC, Fatehgarh Sahib said that a tender of Rs. 5 crores have already been floated for the construction of this road and the work on the road would be started soon.	Already replied by ADC, Fatehgarh Sahib.

15.	Whether any litigation pending against the project or any direction/order passed by SPCB/ Court of Law against the project, if so, details there of shall also be included.	(a) No, an undertaking in this regard submitted.
16.	Raw material details:	Raw Materials: Proposed (TPA) MS Scrap: 1,56,816 Ferro Alloys: 39,204
17.	Production Capacity details:	Product Name: Proposed (TPA) Steel Ingots/Billets: 1,78,200 Round, coil, Flats, Wire rod, TMT bars: 1,70,000
18.	Details of major productive machinery/plant:	S. No. / Description / Capacity 1. Induction Furnace: 3X15 TPH 2. Concast Machine: 01 No. 3. Rolling Mill: 01 No. 4. D.G. Set: 1 No. (500 kVA)
19.	Manpower requirement	150

<table>
<tr><td>20.</td><td>Details of Emissions (After expansion)</td><td>
<table>
<tr><td>S. No</td><td>Source of stack emission</td><td>Capacity</td><td>Fuel</td><td>Stack height (m)</td><td>APCD</td></tr>
<tr><td>1.</td><td>Induction Furnace</td><td>3x 15 TPH</td><td>Electricity</td><td>30m above ground level</td><td>Pulse Jet Bag Filter with offline cleaning technology</td></tr>
<tr><td>2.</td><td>D.G. Set</td><td>1X500 kVA</td><td>HSD</td><td>Stack with adequate height</td><td>---</td></tr>
</table>
</td></tr>
<tr><td>21.</td><td>Hazardous/Non-Hazardous Waste Generation details & their storage, utilization and its disposal. Copy of Agreement clearly mentioning the Quantity</td><td>
<table>
<tr><td>S. No.</td><td>Waste Category</td><td>Proposed</td><td>Disposal</td></tr>
<tr><td>1.</td><td>35.1 Flue gas Cleaning residue</td><td>264 TPA</td><td>Sent to M/s Madhav KRG Ltd., a copy of certificate dated Nil issued by M/s Madhav KRG to the effect that the agency shall enter into an agreement with M/s Pawanputra Steel Pvt. Ltd for collection of APCD dust of category 35.1 submitted.</td></tr>
<tr><td>2.</td><td>5.1 Used oil/Spent oil</td><td>0.015kl.annum</td><td>To be used as Lubricant within the industry</td></tr>
</table>
</td></tr>
<tr><td>22.</td><td>Solid Waste generation and its mode of disposal:</td><td>
<table>
<tr><td>Details</td><td>Unit</td><td>Total Quantity after expansion</td><td>Disposal method</td></tr>
<tr><td>Slag</td><td>TPD</td><td>29.7 TPD</td><td>Sent to M/s Agarwal Cement Tiles. A copy of agreement dated 18.10.2021</td></tr>
</table>
</td></tr>
</table>

<table>
<tr><td></td><td></td><td>stating that M/s Agarwal Cement Tile is authorized to collect 29.7 TPD of slag from M/s Pawanputra Steel Pvt. Ltd., village Wazirabad, Mullanpur road, Mandi Gobindgarh, Sirhind submitted.</td></tr>
<tr><td>23.</td><td>Breakup of Water Requirements & its source in Operation Phase:</td><td>
<table>
<tr><th>DESCRIPTION</th><th>TOTAL REQUIREMENT</th></tr>
<tr><td>Domestic</td><td>7 KLD</td></tr>
<tr><td>Cooling (makeup water)</td><td>38 KLD</td></tr>
<tr><td>Total</td><td>45 KLD</td></tr>
</table>
*The water requirement shall be met through tube well. A copy of acknowledgement to the effect that the permission for abstraction of 45 KLD of ground water submitted.
</td></tr>
<tr><td>24.</td><td>Waste water generation & its disposal Arrangement in Operation Phase:</td><td>
<table>
<tr><th>S. No.</th><th>Description</th><th>Proposed</th><th>Mitigation Measures/Remarks</th></tr>
<tr><td>1.</td><td>Industrial Effluent</td><td>NIL</td><td>No generation of industrial effluent</td></tr>
<tr><td>2.</td><td>Domestic</td><td>8.6 KLD</td><td>Will be treated in 10KLD STP & treated water used in Plantation/Green area</td></tr>
</table>
</td></tr>
<tr><td>25.</td><td>Water balance chart for Summer, Rainy and Winter seasons (Submitted/Not Submitted)</td><td>For all the three seasons i.e. summer, winter and rainy, out of total quantity of 45 KLD of fresh water requirement, total quantity of 7 KLD will be met for domestic requirement and 38 KLD for cooling water makeup. The total wastewater generation will be 8.6 KLD comprising of 5.6 KLD of domestic effluent and 3 KLD of blow down streams. The wastewater shall be treated in an STP of capacity 10 KLD and the entire treated waste water shall be utilized in the green area, which is adequate for all the three seasons except for rainy season.</td></tr>
<tr><td>26.</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 pond for rain water harvesting at Wazirabad. The total recharge potential will be 31,500 m^3.
Inside: - A tank of 10 KL is proposed for inside rain water harvesting using roof top of office block area, store area and toilet area of the project. The total recharge potential will be 229.19 m^3.</td></tr>
</table>

<table>
<tr><td>27.</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% i.e. 11737.91 m^2 of total area as per MoEF&CC stipulated norms will be developed as the green belt. A total of 1760 trees will be planted.</td></tr>
<tr><td>28.</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>Total</th></tr>
<tr><td>1.</td><td>Power load</td><td>MW</td><td>16</td></tr>
<tr><td>2.</td><td>D.G set</td><td>KVA</td><td>500</td></tr>
</table>
<u>Energy Saving measures:</u>
a) LEDs will be used in place of CFL
b) Solar lights will be used for lighting the streets</td></tr>
<tr><td>29.</td><td>a. EMP Budget details

b. Details of Environment Management Cell (EMC) responsible for implementation of EMP</td><td>a. EMP budget details submitted.

b. A duly constituted EMC comprises the following:
1. Owner/ Director
2. GM (Works)
3. Environment Consultant</td></tr>
<tr><td>30.</td><td colspan="2">Details of EDS
<table>
<tr><th>Sr. No.</th><th>Observation</th><th>Reply</th></tr>
<tr><td>1)</td><td>The total wastewater generation as per water balance submitted for all three seasons mentioned as 5.6+3= 8.6 KLD, however, 6.75 KLD of effluent to be generated, has been mentioned in the tabular figure at page no. 36 of the EIA report. Please clarify the mismatch.</td><td>The domestic effluent generation is 5.6KLD and boiler blow down is 3KLD. The total wastewater generation will be considered as 8.6KLD. The total wastewater is inadvertently written as 6.75KLD.</td></tr>
<tr><td>2)</td><td>The baseline data is more than 3 years old. Please clarify as to why more than 3 years old data has been considered for carrying out EIA study.</td><td>The baseline data collected at time of application of TOR was valid. Further, one-month study was carried out in 15th September, 2020 to 15th October, 2020.</td></tr>
<tr><td>3)</td><td>Baseline data of the period March to May 2018 was perused it was observed that the average value of PM10 is 89.8 microgram m3 against the permissible standards of 60 microgram/m3. No mitigation measures to be adopted to contain the value of PM10 within the</td><td>The average value of PM10 is 89.8µg/m^3 which is under the permissible standard of 100 µg/m^3.</td></tr>
</table></td></tr>
</table>

		permissible limit has been mentioned in the EIA report.	
	4)	Water requirement for rainy season is 3 KLD less than generation of treated wastewater by taking into account the green area 11737 sqm. Please suggest other mode for disposal of excess treated wastewater generated from the industry.	The extra water will be reused.

During meeting, SEAC observed that the capital cost proposed for installation of APCD and development of green belt was found to be on the lower side. The Committee asked the Project Proponent to revise the Environment Management Plan by revising the capital cost of APCD and green belt development. The Project Proponent vide letter dated 24.01.2022 revised the EMP by revising the cost of APCD and Green Belt Development with details as under:

S. No.	Title	Capital Cost Rs. Lakh	Recurring Cost Rs. Lakh
1	Pollution Control during construction stage	5.0	---
2	Air Pollution Control (Installation of APCD)	240.0	25.0
3	Water Pollution Control (Installation of STP @ 10 KLD)	10.0	2.5
4	Green Belt development	17.60	17.60 (For 3 years)
5	Noise Pollution Control	1.0	0.10
6	Solid/ Hazardous Waste Management	5.0	0.20
7	Environment Monitoring and Management	5.0	0.10
8	Occupational Health, Safety and Risk Management	10.0	0.3
9	RWH	10.0	1.0
10	Miscellaneous	6.0	--
11	CER activities	60.0	
	TOTAL	Rs 369.60 Lakh	46.8 Lakh

Further, the Project Proponent has also submitted a copy of self-declaration **(Annexure-B)** to the effect that there is no Wildlife Sanctuary existing within 10 km radius of project site and the nearest Wildlife Sanctuary i.e. Bir Bhadson Wild Life Sanctuary is located at a distance of 12.69 kms from the project site.

SEAC was satisfied with the presentation given by the Project Proponent and took a copy of the same on record.

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 establishment of steel manufacturing unit having proposed capacity 1,72,800 TPA of steel Ingots/billets and 1,70,000 TPA of round, coil, flats, wire rod, TMT Bars by installing 3X15 TPH of induction furnaces, at Wazirabad, Sirhind side, Tehsil & District-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 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.
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 drawl of groundwater and also in case of drawl 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 $S0_2$ and NOx in reference to $S0_2$ and NOx 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. The project proponent shall adhere to 'Zero Liquid Discharge'.

iii. STP of 10KLD shall be provided for treatment of domestic wastewater to meet the prescribed standards.

iv. 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.

v. The project proponent shall practice rainwater harvesting to the maximum possible extent. For this, a pond at Village- Wazirabad having recharge potential of volume @ 63,000 m^3 shall be

adopted to recharge the water @ 29,700 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.

vi. A tank of 10 KLD shall be constructed for inside rain water harvesting using roof top of the project site.

vii. 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 LED lights in their offices and residential areas.

iv. The Project Proponent shall ensure installation of regenerated type burners on all the reheating furnaces.

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 11737.91 Sqm (equal to 33% of the plant area) with tree species in accordance with SEIAA guidelines. Total 1760 trees to be planted without accounting the shrubs. Tree species of Arjun, Baheda, Drek, Amla, Neem, Terminalia Arjun will be planted in phase manner.

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 not to be diverted for any other purpose. The project proponent shall spend a minimum amount of Rs 369.60 Lacs towards the capital cost and Rs 46.8 Lacs/annum towards recurring cost including the environmental monitoring cost for the implementation of EMP as proposed in following EMP plan.

S. No.	Title	Capital Cost Rs. Lakh	Recurring Cost Rs. Lakh
1	Pollution Control during construction stage	5.0	---
2	Air Pollution Control (Installation of APCD)	240.0	25.0
3	Water Pollution Control (Installation of STP @ 10 KLD)	10.0	2.5
4	Green Belt development	17.60	17.60 (For 3 years)
5	Noise Pollution Control	1.0	0.10
6	Solid/ Hazardous Waste Management	5.0	0.20
7	Environment Monitoring and Management	5.0	0.10
8	Occupational Health, Safety and Risk Management	10.0	0.3
9	RWH	10.0	1.0
10	Miscellaneous	6.0	--
11	CER activities	60.0	
	TOTAL	Rs 369.60 Lakh	46.8 Lakh

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

iv. Self-environmental audit shall be conducted annually. Every three years third-party environmental audit shall be carried out.

v. All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the plants shall be implemented.

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

ii) The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.

iii) The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.

iv) The project proponent shall monitor the criteria pollutants level namely; PM10, S02, NOx (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 plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).

xi) Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.

xii) The SEIAA/Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.

xiii) The SEIAA/ Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time-bound manner shall implement these conditions.

xiv) The Regional Office of this Ministry and Punjab Pollution Control Board shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office and PPCB by furnishing the requisite data / information/monitoring reports.

xv) The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.

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

XIII. Additional Specific Conditions decided during the meeting of SEAC:

i) The project proponent shall install Side Suction Hood followed by Pulse-jet Bag filter with offline cleaning technology as APCD as per the amount indicated in the Environment Management Plan. Further, APCD of flow rate 80,000 m3/hr for 3no. proposed induction furnaces (15TPH each) will be installed.

ii) The project proponent shall install 24x7 continuous online SPM monitoring system at the inlet & outlet of APCD to monitor and achieve the suspended particulate matter (SPM) emission standards as prescribed by CPCB/SPCB.

iii) The project proponent shall submit monthly summary report of continuous stack emission (inclusive of data of continuous SPM monitoring at inlet & outlet of APCD before stack) and air quality monitoring and results of manual stack monitoring and manual monitoring of air quality/ fugitive emissions to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.

iv) The project proponent shall obtain NOC from CGWA for abstraction of ground water @ 45 KLD to meet the requirement of Industrial, domestic & green belt.

v) The project proponent shall construct rain water tank of capacity 10KLD to store rain water run off generated from the roof top during monsoon season within its premises.

vi) The project proponent shall dispose of slag @ 29.7 TPD as per the agreement made with the interlocking tile manufacturing units.

vii) The project proponent shall dispose of APCD dust @ 264 TPA to M/s Madhav KRG Ltd.

viii) The project proponent shall minimize the water consumption in the steel plant complex by segregation of used water, practicing cascade use and by recycling treated water.

ix) The project proponent shall provide STP of 10KLD capacity for treatment of waste water & reutilization of the treated water for non- portable use so as to achieve the zero liquid discharge condition as per the III (iv) of OM dated 09.08.2018 issued by the MoEF&CC for such units.

x) The project proponent shall reuse of cooling tower blow down, simultaneously ensuring the standards prescribed for such purge waters. If required, necessary arrangements shall be made to keep this waste stream within the parameters required for reuse.

xi) The project proponent shall monitor the Ground water for heavy metals in addition to routine parameters pre-monsoon and post monsoon. At least 3 samples i.e. one from within the premises and two from outside the premises of the project shall be taken.

xii) The project proponent shall reserve land for loading or unloading of raw material, products, slag, hazardous waste as well as for storage of these materials and the area to be reserved for parking. The area to be reserved by considering the time required for loading and

unloading of vehicles for respective activities and minimum/maximum period for which storage of the above material is required in the premises. The areas for the respective activities to be marked on the layout plan.

xiii) The project proponent shall comply with the standard operating procedures and up-gradation of suction and control arrangement for the secondary emissions as prescribed by the State Pollution Control Board or by CPCB/MoEF&CC.

xiv) Whole of the vehicle movement area as well as approach road to the gate /weighing bridge shall be paved with pucca/metalled / cement concrete road to control the dust emissions expected from the vehicle movement.

xv) The vehicles to be used for loading/unloading purposes shall not be parked along the roadside to avoid traffic congestion and a dedicated parking place to be provided for the same.

xvi) The project proponent shall adopt green technologies to conserve water & energy. Also, provide abrasive resistant fire bricks in the crucibles to reduce the periodic maintenance & disposal of discarded fire bricks.

xvii) The project proponent shall use natural gas (if available) as substitute fuel wherever possible in the existing industry/ for the expansion project.

xviii) The project proponent shall take necessary action w.r.t. the following: -

a) Recovery of iron from slag before disposing of it.
b) Identify the areas for utilization of slag in a scientific manner and its usage in cement/construction industry/road laying etc.

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

The case was considered by SEIAA in its 200th meeting which was attended by the following:

(i) Sh. Tanuj Bansal, Director.
(ii) Sh. Sital Singh, EIA Coordinator and Er. S.S. Malhotra and Sh. Sandeep Singh from M/s CPTL on behalf of Project Proponent.

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

To query by SEIAA, project proponent submitted a revised proposal of Rs. 60 lacs to be spent under CER activities as under:

Sr. No.	Activities	Annual Expenditure (in lakhs)	Timeline	Recurring Expenditure for maintenance for 3 Year (in lakhs)
1.	A village pond in the Mandi Gobindgarh shall be adopted to make its surrounding environment pollution free by adopting the following measures: (i) Phytorid technology to treat the waste water discharge into the pond. (ii) Tree plantation of 6ft size around the pond. (iii) Removal of the solid waste, sludge, silt from the pond. (iv) Landscaping around the pond. (v) Installation of drinking water cooler. (vi) Outdoor Gym (3-4 exercise machine)	30	1 year	10
2.	Plantation 1000 tall plants of minimum 6ft height and woody stem of native species like Neem, Drek, Kadam, Kusum, Semul, Pilkhan, Peepul, Banyan, Chakrassia etc shall be planted in the vicinity of the project and same shall be maintained for 3 years.	10	1 year	10
Total		40	1 year	20

An undertaking submitted with respect to the aforesaid CER activities, was taken on record by SEIAA.

On being asked by SEIAA, Project Proponent and their Environmental Consultant agreed to 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. SEIAA decided to impose an additional condition in this regard.

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

After detailed deliberations, SEIAA decided to accept the recommendations of SEAC and grant Environmental Clearance for establishment of steel manufacturing unit having proposed capacity 1,72,800 TPA of steel Ingots/billets/round, coil, flats, wire rod, TMT Bars by installing 3X15 TPH of induction furnaces, at Wazirabad, Sirhind side, Tehsil & District- Fatehgarh Sahib, Punjab by M/s Pawanputra Steels as per the details mentioned in Form 2, EIA report and subsequent presentation

/clarifications made by the project proponent his consultant with proposed measures, conditions as recommended by SEAC, amended conditions as agreed by the project proponent and additional condition as under:-

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

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 369.60 Lacs towards the capital cost and Rs 46.8 Lacs/annum towards recurring cost including the environmental monitoring cost for the implementation of EMP as proposed in following EMP plan:

S. No.	Title	Capital Cost Rs. Lakh	Recurring Cost Rs. Lakh
1	Pollution Control during construction stage	5.0	---
2	Air Pollution Control (Installation of APCD)	240.0	25.0
3	Water Pollution Control (Installation of STP @ 10 KLD)	10.0	2.5
4	Green Belt development	17.60	17.60 (For 3 years)
5	Noise Pollution Control	1.0	0.10
6	Solid/ Hazardous Waste Management	5.0	0.20
7	Environment Monitoring and Management	5.0	0.10
8	Occupational Health, Safety and Risk Management	10.0	0.3
9	RWH	10.0	1.0
10	Miscellaneous	6.0	--
11	CER activities	60.0	
	TOTAL	Rs 369.60 Lakh	46.8 Lakh

CER activities:

As proposed, the project proponent shall spend amount of Rs. 60 lacs under CER activities as under:

Sr. No.	**Activities**	**Annual Expenditure (in lakhs)**	**Timeline**	**Recurring Expenditure for maintenance for 3 Year (in lakhs)**

1.	A village pond in Mandi Gobindgarh area shall be adopted to make its surrounding environment pollution free by adopting the following measures: (vii) Phytorid technology to treat the waste water discharge into the pond. (viii) Tree plantation of 6ft size around the pond. (ix) Removal of the solid waste, sludge, silt from the pond. (x) Landscaping around the pond. (xi) Installation of drinking cooler. (xii)A Gym (3-4 exercise machine)	30	1 year	10
2.	**Plantation** 1000 tall saplings of minimum 6ft height and woody stem shall be planted alongside the roads and other identified places and same shall be maintained for 3 years in Mandi Gobindgarh area.	10	1 year	10
Total		**40**	**1 year**	**20**

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.

VIII. Green Belt

Green belt shall be developed in an area of 11737.91 Sqm (equal to 33% of the plant area) with native tree species in accordance with SEIAA guidelines. Total 1760 trees (minimum 6 feet height) of indigenous species such as Neem, Drek, Kusum, Kadam, Banyan, Peepal, Amaltas, Arjun, Chakarasia etc will be planted.

Additional Conditions:

(i) 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. 200.04: Application for Environment Clearance under EIA notification dated 14.09.2006 for expansion in API Drug manufacturing unit by M/s Quad Lifescience Pvt. Ltd., at village Bhagwanpur, Dera Bassi-Barwala road, Ind Swift road, Dera Bassi, SAS Nagar, Punjab, (Proposal No. SIA/PB/IND3/246088/2021).

Background and salient features of the matter are as under:

The industry has proposed for obtaining Environmental Clearance for carrying out expansion in API Drug manufacturing unit for manufacturing 12 products of APIs, Drug Intermediates. The total project area is 18415.53 Sqm and total project cost Rs. 23.19 Cr.

The industry was incorporated in the year 2012 and was carrying out manufacturing of standardized Herbal extracts derived from plants (Barks, roots and seeds) through solvent extraction process at village Bhagwanpur, Dera Bassi. No synthesis process is involved at present and as such the products being manufactured presently do not attract the provisions of category 5 (f) of the schedule appended to EIA notification dated 14.09.2006.

The industry now intends to manufacture 8 API products from the existing products, which will involve the synthesis process due to which the new products to be manufactured attract the provisions of the schedule appended with EIA notification dated 14.09.2006 [category 5 (f)]. The expansion will be carried out in the existing industrial premises without acquiring any additional land**.** The Environmental Clearance fee of Rs. 2,31,900/- has been deposited through NEFT no. 52021121887085679 dated 08.12.2021 as verified by the supporting staff SEIAA.

The Project Proponent undertakes that the information given in the application is true to the best of his knowledge and belief and no facts have been concealed therefrom. Further, he is aware that in case any information submitted is found to be false or misleading at any stage, the project will be rejected and clearance given, if any to the project will be revoked at their risk and cost.
In the latest OM dated 16.07.2021 issued in the matter of category 5 (f) of the schedule appended with EIA notification dated 14.09.2006, it has been clarified as under:

"All proposals for projects or activities in respect of Active Pharmaceutical Ingredients (API), received from 16th July, 2021 to 31st December, 2021, shall be appraised as Category 'B2' projects, provided that any subsequent amendment or expansion or change in product mix after the 31st December, 2021, shall be considered as per the provisions in force at that time."

Since, the project has applied for obtaining Environmental Clearance on 20.12.2021, the project is being considered as B2 category project.

Furthermore, PPCB was requested to send the latest status report of the project through e-mail on 04.01.2022. Punjab Pollution Control Board vide letter no. 487 dated 12.01.2022 has sent the latest status report with details as under:

"The site of the proposed project was visited by officer of the Board on 06.01.2022 and it was observed that:

1. The industry is an existing unit and is engaged in business of manufacturing of Herbal Medicine by using Crumin, Glurosia Seeds, Yobmine Bark and same was in operation.
2. The proposed/existing site of the industry is surrounded by various existing industries namely M/s Cepham Milk Specialities Limited, M/s Ind-Swift Laboratory, M/s Kansal Engineering etc.
3. The Project Proponent has demarcated the boundaries of the project. No construction activity pertaining to the proposed project has been started at the site.
4. As per the Department of Industries, Government of Punjab notification no. 3/4/87-3IB1/311 dated 09.01.1990, Village Bhagwanpura falls notified as "Free Enterprise Zone". The Board has not notified any siting guidelines for such type of industries.
5. The proposed/existing site of the project is located in Village Bhagwanpura, District SAS Nagar, which is located outside the limits of MC, Dera Bassi as well as the notified Master Plan of Dera Bassi. However, any comment regarding its distance from the MC limits of Dera Bassi could not be offered as exact limits of the MC, Dera Bassi are not clear. The matter was discussed with the office of MC, Dera Bassi and it was informed that the municipal limits of Dera Bassi are extended up to village Kuranwala and the same is located approximately 2 Km (crow-flight distance) from the site of the industry (as measured from Google Maps). The same was also reported while sending the comments of M/s Ind Swift Laboratories, Village Bhagwanpur, Tehsil Dera Bassi, District SAS Nagar to SEIAA vide Board's letter no. 1308 dated 15.03.2021.
6. Further, it is informed that boundary of Haryana State starts at an approximate distance of 100 mtr."

1.0 Deliberations during 213th meeting of SEAC held on 24.01.2022.

The meeting was attended by the following:

1. Sh. Om Prakash, Director.
2. Sh. Sital Singh, EIA Coordinator, M/s CPTL, 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:

1.	Name of the project	**M/s Quad Lifesciences Private Limited** Village Bhagwanpur, Dera Bassi-Barwala road, Ind-Swift Link road, Tehsil- Dera bassi, District- S.A.S Nagar Punjab
2.	Online Proposal No.	SIA/PB/IND3/2460801/2021
3.	Nature of project (EC for new project/EC for Expansion/ EC for existing & proposed project)	Fresh EC
4.	a) Category b) Activity (As per schedule appended to EIA Notification, 2006 as amended time to time)	**B2** As per S.O. 2859(E) dated: 16.07.2021 "All proposals for projects or activities in respect of Active Pharmaceutical Ingredients (API) received up to the 31st December 2021, shall be appraised as Category 'B2' Projects.
5.	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)	No No
6.	a. Project area involves forest land, (Yes/No), **If yes,** then details of the extent of area involved and copy of permission & approval for the use of forest land b. Project area involves land under PLPA (Yes/No), **If yes,** then details of the the extent of area involved and copy of permission &	No, an undertaking to the effect that the no land area of the project is involved under the Forest Conservation Act 1980 or PLPA Act 1900 and Wildlife (Protection) Act 1972 submitted.

<table>
<tr><td></td><td>approval for the use of PLPA land

c. Project area involves Wild Life Area, (Yes/No),

If yes, then details of the extent of area involved and copy of permission & approval under Wild Life (Protection) Act 1972 for the use of said land.</td><td></td></tr>
<tr><td>7.</td><td>a. Total Project Cost (In Crores):

b. Total project cost breakup at current price level duly certified by Chartered Engineer/ Approved valuer or Chartered Accountant</td><td>a. Total Project Cost (In Crores): Rs. 23.19 Crores

b. Total project cost breakup is following:

<table>
<tr><th>S. No.</th><th>Description</th><th>Existing (Rs. in Crores)</th><th>Proposed (Rs. in Crores)</th><th>Total Cost (Rs. in Crores)</th></tr>
<tr><td>1.</td><td>Cost of Land at current price level</td><td>1.59</td><td>NIL</td><td>1.59</td></tr>
<tr><td>2.</td><td>Building</td><td>2.40</td><td>NIL</td><td>2.40</td></tr>
<tr><td>3.</td><td>* Plant & Machinery</td><td>15.52</td><td>1.0</td><td>16.52</td></tr>
<tr><td>4.</td><td>Others</td><td>2.68</td><td>NIL</td><td>2.68</td></tr>
<tr><td colspan="2">Total</td><td>22.19 Cr</td><td>1.0</td><td>23.19 Cr</td></tr>
</table></td></tr>
<tr><td>8.</td><td>Plot Area Details</td><td>Total Area – 4.55 Acres or 18415.53 sqm
<table>
<tr><th>Sr. no.</th><th>Particulars</th><th>Area in square meter.</th></tr>
<tr><td>1.</td><td>Plant covered area</td><td>5571.39</td></tr>
<tr><td>2.</td><td>Plantation area</td><td>6421.44</td></tr>
<tr><td>3.</td><td>Road area</td><td>1450.69</td></tr>
<tr><td>4.</td><td>ETP area</td><td>231.66</td></tr>
<tr><td>5.</td><td>Hazardous waste area</td><td>24</td></tr>
</table></td></tr>
</table>

<table>
<tr><td></td><td></td><td>
<table>
<tr><td>6.</td><td>Parking area</td><td>1054</td></tr>
<tr><td>7.</td><td>Open area</td><td>3662.35</td></tr>
<tr><td></td><td>Total area</td><td>18415.53</td></tr>
</table>
</td></tr>
<tr><td>9.</td><td>a. Details of land area
b. Type of project land as per master plan (Industrial/Agriculture/Any other),

c. 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)</td><td>The site of the industry falls in free enterprise zone, Derabassi. Further, the industry has proposed to carry out the expansion in the existing land area of 18415.53 sqm.</td></tr>
<tr><td>10.</td><td>Details of consent to operate under the provision of Water Act 1974 & Air Act 1981.</td><td>The industry has obtained consent to operate under the provision of Water Act 1974, which is valid up to 31.03.2023 and under the provision of Air Act 1981 valid up to 31.03.2023 for the manufacturing of 5 HTP @ 1.6 Kg/day, 10 DAB III @ 0.083 Kg/day, Colchicoside @ 0.18 Kg/day and Yohimbine @ 5 Kg/day.</td></tr>
<tr><td>11.</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 there of shall also be included.</td><td>No litigation is pending, an undertaking in this regard submitted by the Project Proponent.</td></tr>
<tr><td>12.</td><td>Raw material details</td><td>Details of the Raw Material attached as Annexure-I</td></tr>
<tr><td>13.</td><td>Production Capacity details:</td><td>Details of the Products attached as Annexure-II</td></tr>
<tr><td>14.</td><td>Details of major productive machinery/plant:</td><td>
<table>
<tr><td>Sr. No</td><td>Description</td><td>Existing</td><td>Proposed</td><td>After Expansion</td></tr>
<tr><td>1</td><td>Boiler</td><td>5 TPH</td><td>Nil</td><td>5 TPH</td></tr>
</table>
</td></tr>
</table>

		2	Soft Water Plant	10 TPH	Nil	10 TPH
		3	Cooling Tower (FRP) Rectangular Type	500 TR	700 TR	1x500 TR & 1x700 TR
		4	Cooling Tower (FRP) Bottle Type	200 TR	Nil	1x200 TR
		5	Refrigeration Plant	20 TR	50 TR	1x20 TR & 1x50 TR
		6	Air Compressor 220 CFM	220 CFM	Nil	1x220 CFM
		7	Air Compressor 380 CFM	380 CFM	Nil	1x380 CFM
		8	Effluent Treatment Plant	15 KL	Upgrade to 25 Kl	1x25 KL
		9.	MEE	-	10 KL	1x10 KL
		10.	Electrical Transformer	750 KVA	Nil	1x750 KVA
		11.	MCC Panel	1050 KVA	Nil	1x1050 KVA
		12.	DG Set (On Rented)	500 KVA	750 KVA	1x500 KVA & 1x750KVA
		13.	Bore well (35HP)	30 KL/Hr	Nil	1x30 kl/hr

15. **Details of Emissions:**

1. The industry has installed one boiler capacity 5 TPH, which is presently operated to produce 2 TPH of steam required for production of existing products. The industry uses rice husk @ 8 TPD of fuel.
2. The industry proposes to produce 4 TPH of steam by utilizing the existing boiler. The industry shall use rice husk @ 15 TPD as fuel.
3. The flue gases generated from the boiler of capacity 5 TPH will contain SPM only, as rice husk will be used as fuel. The details pertaining to load of particular matter (PM) are as under:

Pollution load particulars	**Total Pollution load**
PM (existing)	96 kg/day
PM (After expansion)	108 kg/day

*There will be marginal increase in the pollution load of SPM

4. The ammonia emissions will be generated from the manufacturing of Yohimbine hydrochloride product and to control the same **column type packed bed Scrubber shall be installed**. This APCD shall be attached with a stack of 3 m height above roof level. The pollution load to be generated, is given as under: -

Pollution load particulars	**Total Pollution load**
Ammonia	9 kg/day
PM (During dispensing of raw material)	0.42 kg/day

*There will be insignificant effect on the Environment due to process emission.

5. The industry has already installed 500 KVA DG set and proposed to install 1x750 KVA. The details of the exhaust gas emission load are as under:

Capacity in KVA	**Total Exhaust Gas Flue M3/sec**	**Emission of PM10 in gm/hr**	**Emission of CO in gm/hr**	**Emission of NOx + HC in gm/hr**
750 KVA (After expansion)	3.82	0.2	3.5	4
500 KVA	3.82	0.2	3.5	4

*There will be no significant increase in the Air Pollution load being generated from DG set.

16. Hazardous/Non-Hazardous Waste Generation details & their storage, utilization and its disposal. Copy of Agreement clearly mentioning the Quantity.

Sr. No.	**Type of Hazardous Waste**	**Category of Hazardous Waste**	**Quantity**	**Disposal Method**
1.	Used oil	5.1	200 lt/year	Will be given to registered recyclers
2.	Process residue	28.1	884 kg/year	Will be given to common TSDF
3.	Spent Activated Carbon	28.3	50 kg/year	Incineration
4.	Spent solvent	28.6	10,000 kg/year	Recovery in the solvent recovery plant.
5.	Empty Drums	33.1	360 nos/year	Will be given to registered recyclers
6.	Residue from Evaporator	37.3	99 KL/Year	Will be given to common TSDF

<table>
<tr><td>17.</td><td>Solid waste generation in Operation Phase:</td><td>
<table>
<tr><td>Details</td><td>Unit</td><td>Total Quantity</td><td>Disposal method</td></tr>
<tr><td>Spent herbs</td><td>Kg/year</td><td>371739.54 kg/year</td><td>Will be used as fuel in Boiler Furnace</td></tr>
<tr><td>Kitchen Waste</td><td>Kg/year</td><td>3500 kg/year</td><td>Bio compositing will be done</td></tr>
</table>
</td></tr>
<tr><td>18.</td><td>Breakup of Water Requirements & its source in Operation Phase:</td><td>The industry has proposed to abstract ground water for industrial purposes. The industry has submitted an acknowledgement dated 18.12.2021 of the application submitted to PWRDA for abstraction of 50 KLD of ground water comprising of 42 KLD for meeting industrial water requirement, 8 KLD for domestic water requirement.</td></tr>
<tr><td colspan="3">
<table>
<tr><td>Sr. no.</td><td>DESCRIPTION</td><td>Fresh water requirement (Existing) (KLD)</td><td>Fresh water requirement (Proposed) (KLD) including existing</td><td>Source of Water</td></tr>
<tr><td>1</td><td>Process water (HTDS)</td><td>0.51</td><td>1.80</td><td>Fresh</td></tr>
<tr><td>2</td><td>Cooling tower</td><td>3.0</td><td>7.0</td><td>Evaporator Condensate</td></tr>
<tr><td>3</td><td>Miscellaneous</td><td>1.3</td><td>3.0</td><td>Condensate of evaporator =0.4KLD
Fresh Water=2.6KLD</td></tr>
<tr><td>4</td><td>Washing</td><td>3.7</td><td>4.0</td><td>Fresh water</td></tr>
<tr><td>5</td><td>Boiler feed</td><td>4.0</td><td>24.0</td><td>RO Permeate =14.4KLD
Fresh water= 9.6KLD</td></tr>
<tr><td>6</td><td>Domestic</td><td>6.0</td><td>7.5</td><td>Fresh water</td></tr>
<tr><td colspan="2">TOTAL</td><td>18 KLD</td><td>47.3KLD</td><td>Fresh Water requirement = 25.5 KLD
Reuse of treated w/w=21.8KLD</td></tr>
</table>
As per the water balance, low TDS industrial effluent generation will be 20.6 KLD, which will be treated in the ETP and 1.5 KLD will be high TDS generated from the process along with RO reject @ 6.2 KLD, which will be treated in MEE of capacity of 10 KLD after neutralization.
At present, the industry has installed an ETP of capacity 15KLD to treat the wastewater. The ETP is comprising of Bar screen, oil and grease tank, collection tank, automatic dosing pump,
</td></tr>
</table>

primary clarifier, Aeration tank, secondary clarifier diffuse aeration systems, Activated Carbon filter, sand filter, sludge drying bed. The capacity of the ETP shall be enhanced to 25 KLD to treat the wastewater to be generated after expansion. The industry has also installed STP to treat the domestic effluent of 6 KLD generated due to the domestic activities.		
19.	Rain Water utilization proposal during monsoons (Submitted/Not Submitted)	**Outside:** The industrial unit has adopted one village pond for implementing rain water harvesting in vicinity of project site. A copy of NOC issued vide dated 06.12.2021 by Sarpanch, Gram Panchayat Bhagwanpur, Tehsil Dera Bassi, District SAS Nagar submitted, wherein it has been mentioned that may carryout rain water harvesting in the village pond of total area of 1.5 acres.
20.	Block wise details of no. of trees to be planted in proposed greenbelt area (1500 Trees to be planted @ 10000 Sqm area):	Area allocation for green belt: 34.08% i.e. 6421.44 m2 of total area as per MoEF&CC stipulated norms will be developed as the green belt. As per guidelines, the industry is required to plant 963 no. of trees. The industry has already planted 300 no. of trees and rest 663 plants shall be planted in the year 2022.
21.	EMP Budget details	EMP budget submitted
	Details of Environment Management Cell (EMC) responsible for implementation of EMP	Submitted

ANNEXURE-I

Raw Material Requirement (Product Wise)

For the Existing Products

1. 5-HTP

Stage-1

S.No.	**Raw Material**	**Input/Kg of Product (Kg/L)**
1	Griffonia Seeds	1000
2	Methanol	12000
Total		13000

Stage-II

S.No.	Raw Material	Input/Kg of Product (Kg/L)
1	Syrup wt. (5-hydroxyl tryptophan)	200
2	Water	600
Total		800

2. 10- DAB

(Stage-I)

S.No.	Raw Material	Input/Kg of Product (Kg/L)
1	Taxus baccata	300
2	Water	8300
3	Acetic acid	0.500
4	Ethyl Acetate	400
5	Acetonitrile	15
6	Resin	150
Total		9165.5

Stage-II & III

S.No.	Raw Material	Input/Kg of Product (Kg/L)
1	10- DAB crude	5
2	Methylene di chloride	833
3	Methanol	8.3
4	Carbon	0.100
5	Hyflo	5.0
6	Acetone	306.0
Total		**1157.4**

3. Colchicoside

(Stage-I)

S.No.	Raw Material	Product Input Kg/L
1	Gloriosa Seed	1200
2	Chloroform	6150
3	Methanol	11000
4	Hyflo	10
5	Water	1200
Total		**19560**

Stage-II

S.No.	Raw Material	Product Input Kg/L
1	Colchicoside in aqueous	350
2	Resin	350
3	Water	2000
4	Acetic acid	15
5	Methanol	600

Total	3315

Stage-III

S.No.	Raw Material	Product Input Kg/L
1	Colchicoside Syrup	80
2	Alumina	20
3	Chloroform	4000
4	Methanol	600
5	Ethanol	50
Total		4750

4. Yohimbine extract 90%

Stage-I

S.No.	Raw Material	Product Input Kg/L
1	**Yohimbine Bark**	800
2	Toulene	20,000
3	Water	1700
4	Tartaric acid	30
5	Amonium Solution	250
Total		**22780**

Stage II and III

S.No.	Raw Material	Product Input Kg/L
1	**Yohimbine Acid Wash**	500
2	Methanol	400
3	Chloroform	1400
4	Hyflo	15
5	Ammonium Solution	9
Total		**2324**

For the Proposed Products

1. Colchicine

Stage-I

S.No.	Raw Material	Product Input Kg/L
1	Gloriosa Seed	1200
2	Chloroform	6150
3	Methanol	11000
4	Hyflow	10
5	Water	1200

Total	**19560**

Stage-II & III

S.No.	**Raw Material**	**Product Input Kg/L**
1	Colchicine (crude)	15
2	Methanol	100
3	Chloroform	200
4	Alumina Oxide	165
5	Ethyl Acetate	200
Total		680

2. Mupirocin

S.No.	**Raw Material**	**Kg per batch (~21.6KL)**
1	Dextrose monohydrate	3396
2	Soyabean meal powder	1286
3	Yeast Extract	1.5
4	Calcium Carbonate	0.6
5	Wheat gluten meal powder	192
6	Corn Syrup Liquid	144
7	Ammonium Sulphate	64
8	PPG	30
9	HCL	10
10	Caustic	150
11	Ethyl Ecetate	22000
12	Sulphuric acid	2
13	Sod bicarbonate	50
14	n-heptane	50
15	Calcium Chloride	11
16	Water	21600
Total		**48987.1**

3. Nicotine Ditartrate Dihydrate

S.No.	**Raw Material**	**Input/ Kg of Product (Kg)**
1	Nicotine Final	7
2	Methanol	70
3	Tartaric Acid	12
4	Ethanol	60
5	D.M Water	15
Total		**164**

4. Nicotine

S.No.	**Raw Material**	**Input/ Kg of Product (Kg)**
1	Tobacco Extract	2,000
2	Chloroform	12,000

3	DM Water	2,000
4	Sodium Hydroxide	60
5	Sulfuric Acid	200
Total		**16260**

5. Reserpine

(Stage-I)

S.No.	**Raw Material**	**Product Input Kg/L**
1	Rauwolfia Vomitoria Powder	400
2	Methanol	11, 000.0
Total		11,400.0

(Stage-II)

S.No.	**Raw Material**	**Input/ Kg of Product (Kg)**
1	Syrup	350
2	Chloroform	800
3	Water	200
4	Ethanol	75
5	Methylene Dichloride	50
6	Ammonia	75
7	Acetic Acid	10
8	Alumina Oxide	20
9	Petroleum Ether	15
10	Hyflow Super Cell	20
Total		1615

6. Thiocolchicoside

Stage-I

S.No.	**Raw Material**	**Product Input Kg/L**
1	Gloriosa Seed	1200
2	Chloroform	6150
3	Methanol	11, 000
4	Hyflow	10
5	Water	1200
Total		19560

Stage-II

S.No.	**Raw Material**	**Product Input Kg/L**
1	Aqueous layer(colchicoside)	300
2	Perchloric acid	20
3	Sodium Methyl Merchaptide(SMM)	20
4	Caustic soda	20
5	Alumina	80

6	Methanol	1300
7	Ethanol	40
8	Chloroform	1500
9	Water	6500
10	Acitic Acid	07
Total		9787

Stage-III

S.No.	**Raw Material**	**Product Input Kg/L**
1	Thio-colchicoside (crude)	17
2	Methanol	120
3	Ethanol	120
4	Water	20
Total		277

7. Vinpocetine

Stage-I

S.No.	**Raw Material**	**Input/ Kg of Product (Kg)**
1	Vocanga Seed	500
2	Glacial Acetic Acid	120
3	Chloroform	12, 500
4	Ammonia (liq.)	225
5	Hexane	50
Total		13, 395

Stage-II

S.No.	**Raw Material**	**Input/ Kg of Product (Kg)**
1	Tabersonine	12.50
2	Raney Nickel	4.37
3	Ethyl acetate	75
4	Water	10
5	HCL	5
6	Methanol	8.75
Total		115.62

Stage-III

S.No.	**Raw Material**	**Input/ Kg of Product (Kg)**
1	Vinpocetine(crude)	12.5
2	Ethyl Acetate	62.5
3	Methanol	93.7

4	Meta Chloroperbenzoic Acid + Ethyl Acetate	9.5+24.0 = 33.5
5	N-chlorosuccinimide + Ethyl Acetate	5.5+8.3 =13.8
6	Acetic Acid	150.0
7	Caustic Soda	162.2
8	MDC	562.5
9	Acetone	62.5
Total		**1153.2**

8. Yohimbine Hydrochloride

Stage-I

S.No.	**Raw Material**	**Input/ Kg of Product (Kg)**
1	Yohimbine Bark	800
2	Toluene	20, 000
3	D.M Water	1700
4	Tartaric Acid	30
5	Ammonium Solution	250
Total		**22780**

Stage- II & III

Sr. No.	**Raw Material**	**Input/ Kg of Product (Kg)**
1	Yohimbine Acid Wash	500
2	Methanol	400
3	Chloroform	1500
4	Hydrochloric Acid	5
5	Hyflo	15
6	Ammonium Solution	10
Total		2430

Raw Materials to be used for the existing as well as Proposed Products <u>(Consolidated List)</u>

Sr. No.	**Raw Material**	**Input/Kg of Product (Kg/L)**
1.	10- DAB crude	5
2.	Acetic Acid	295.5
3.	Acetone	368.5
4.	Acetonitrile	15
5.	Acitic Acid	07
6.	Aluminia Oxide	285
7.	Ammonium Sulphate	64
8.	Amonium Solution	819
9.	Aqueous layer(colchicoside)	300

10	Calcium Carbonate	0.6
11	Calcium Chloride	11
12	Carbon	0.100
13	Caustic Soda/ Sodium Hydroxide	392.2
14	Chloroform	52350
15	Colchicine (crude)	15
16	Colchicoside in aqueous	350
17	Colchicoside Syrup	80
18	Corn Syrup Liquid	144
19	Dextrose monohydrate	3396
20	Ethanol	345
21	Ethyl Acetate	22759.8
22	Gloriosa Seed	3600
23	Griffonia Seeds	1000
24	Hexane	50
25	Hydrochloric Acid	20
26	Hyflow Super Cell	85
27	Methylene Dichloride	1445.5
28	Meta Chloroperbenzoic Acid	9.5
29	Methanol	37700.75
30	N-chlorosuccinimide	5.5
31	n-heptane	50
32	Nicotine Final	7
33	Perchloric acid	20
34	Petroleum Ether	15
35	PPG	30
36	Raney Nickel	4.37
37	Rauwolfia Vomitoria Powder	400
38	Reserpine Syrup	350
39	Resin	500
40	Sod bicarbonate	50
41	Sodium Methyl Merchaptide(SMM)	20
42	Soyabean meal powder	1286
43	Sulfuric Acid	202
44	Syrup wt. (5-hydroxyl tryptophan)	200
45	Tabersonine	12.50
46	Tartaric Acid	72
47	Taxus baccata	300
48	Thio-colchicoside (crude)	17
49	Tobacco Extract	2,000
50	Toluene	40, 000
51	Vinpocetine(crude)	12.5

52	Vocanga Seed	500
53	Wheat gluten meal powder	192
54	Yeast Extract	1.5
55	Yohimbine Acid Wash	1000
56	Yohimbine Bark	1600

The Environmental Consultant of the Project Proponent apprised the Committee that after expansion, the low TDS industrial effluent generation will be 20.6 KLD, which will be treated in the ETP of capacity 25 KLD and high TDS effluent generation shall be 1.5 KLD along with RO reject @ 6.2 KLD, which will be treated in MEE of capacity of 10 KLD after neutralization. At present, the industry has installed an ETP of 15KLD capacity to treat the wastewater. Further, the industry has also installed STP to treat the domestic effluent of 6 KLD. Further, it was informed that the ETP is based on zero liquid discharge and no treated/ untreated effluent shall be discharged outside the industrial premises.

During meeting, SEAC observed that the capital cost proposed to be incurred on installation of Effluent Treatment Plant, Multiple Effect Evaporator, Air Pollution Control Device and development of green belt was found to be on the lower side. The Committee asked the Project Proponent to revise the Environment Management Plan by revising the capital cost of ETP, MEE & APCD and green belt development. The Project Proponent vide letter dated 24.01.2022 revised the EMP by revising the cost of said activities with details as under:

S. No.	Title	Capital Cost Rs. Lakh	Recurring Cost Rs. Lakh
1	Pollution Control during construction stage	1.0	1.0
2	Air Pollution Control (Installation of APCD)	20.0	10.0
3	Water pollution (ETP & MEE)	100.0	50.0
4	Noise Pollution Control	2.0	0.20
5	Landscaping/ Green Belt Development (No. of trees- 663)	6.63	6.63 (3 years)
6	Solid/Hazardous Waste Management	5.0	3.0
7	Environment Monitoring and Management	--	2.0
8	Occupational Health, Safety and Risk Management	10.0	3.0
9	RWH	10.0	1.5
10	Energy conservation	5.0	0.50

11	Miscellaneous	4.0	--
12	CER Activities	15.0	
	TOTAL	**Rs 178.63**	**Rs 77.83**

SEAC was satisfied with the presentation given by the Project Proponent and took a copy of the same on record.

After detailed deliberations, SEAC decided to award **'Silver Grading'** to the project proposal under category B1, Activity 5 (f) and to forward the application to SEIAA with the recommendations to grant Environmental Clearance for expansion in existing industrial unit for manufacturing of 8 proposed products of APIs, Drug Intermediates from existing products with capacities as mentioned in application proposal at Village Bhagwanpur, Dera Bassi- Barwala Road, Ind-Swift road, Dera Bassi, District SAS Nagar, Punjab, as per the other relevant details mentioned in the application proposal & subsequent presentation /clarifications made by the project proponent and his consultant subject to the following conditions 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 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.
iv. The Project Proponent shall install online monitoring system at inlet as well as at the outlet of ETP for monitoring various environmental parameters.

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 the necessary permission from the Central Ground Water Authority/ competent authority concerned, in case of drawl of ground water and also in case of drawl 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 competent authority.

v. 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 Punjab State pollution Control Board/ Committee.

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 competent authority, if any

ix. The Company shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 as amended time to time. All transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA), 1989.

II. Air quality monitoring and preservation

i. The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 and connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognised 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 labs recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories.

iii. The project proponent shall install a system to carryout Continuous Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM2.5 in reference to PM emission, and SO_2 and NO_x in reference to $S0_2$ and NO_x emissions) within and outside the plant area (at least at four locations one for small units) within and three outside the plant area at an angle of 120°each), covering upwind and downwind directions.

iv. To control source and the fugitive emissions, suitable pollution control devices shall be installed to meet the prescribed norms and/or the NAAQS. Sulphur content should not exceed 0.5% in the coal for use in coal fired boilers to control particulate emissions within permissible limits (as applicable). The gaseous emissions shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines.

v. Storage of raw materials, coal etc shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.

vi. National Emission Standards for Organic Chemicals Manufacturing Industry issued by the Ministry vide G.S.R. 608(E) dated 21st July, 2010 and amended from time to time shall be followed.

vii. The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be complied with

viii. The DG sets shall be equipped with suitable pollution control devices and the adequate stack height so that the emissions are in conformity with the extant regulations and the guidelines in this regard.

ix. Ambient air & noise levels should conform to prescribed standards both during day and night. Incremental pollution loads on the ambient air quality, noise especially during worst noise generating activities, water quality and soil should be periodically monitored during construction phase as well as operation & entire life phase as per the MoEF&CC guidelines, maintain the record for the same and all the mitigation measures should be taken to bring down the levels within the prescribed standards.

III. Water quality monitoring and preservation

i. The project proponent shall provide online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises.

ii. The total wastewater generated from the unit will be segregated into two streams i.e. High TDS and Low TDS streams for effective and proper treatment of the same.

Low TDS industrial effluent generation will be 26.6 KLD, which will be treated in the ETP. High TDS effluent comprising of process stream @ 1.5 KLD and RO reject stream @ 6.2 KLD will be sent to MEE for final treatment. The capacity of MEE will be 10KLD.

At present, the industry has already installed an ETP of capacity 15KLD to trade effluent. The existing ETP having following component Bar screen, oil and grease trap, collection tank, Neutralization tank, primary clarifier, Aeration tank, secondary clarifier, Activated Carbon filter, sand filter, sludge drying bed. The capacity of the ETP shall be enhanced to 25 KLD to treat the waste water to be generated after expansion.

iii. The effluent discharge shall conform to the standards prescribed under the Environment (Protection) Rules, 1986, or as specified by the State Pollution Control Board while granting Consent under the Air/Water Act, whichever is more stringent.

iv. Total fresh water requirement shall not exceed the 47.3 KLD as proposed in the proposal application. Prior permission shall be obtained from the concerned regulatory authority/CGWA in this regard.

v. Process effluent/any wastewater shall not be allowed to mix with storm water. The storm water from the premises shall be collected and discharged through a separate conveyance system.

vi. The Company shall store the rainwater from the roof tops of the buildings and utilize the same for different industrial operations within the plant.

vii. Water demand during construction should be reduced by use of ready mixed concrete, curing agents and other best practices.

viii. Provide electromagnetic flow meter at intake of water supply at the borewell for abstraction of ground water if any, outlet of the ETP/STP and any pipeline to be used for re-using the treated wastewater back into the system and for horticulture purpose/green belt etc.

ix. A proper record regarding groundwater abstraction, water consumption, its reuse and disposal shall be maintained on daily basis and shall maintain a record of readings of each such meter on daily basis.

x. Fixtures for showers, toilet flushing and drinking should be of low flow either by use of aerators or pressure reducing devices or sensor-based control.

xi. Separation of drinking water supply, treated sewage supply and treated permeate line leading back to the process water should be done by the use of different colors.

IV. Noise monitoring and prevention

i. Acoustic enclosure shall be provided to DG set for controlling the noise pollution.

ii. The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation.

iii. The ambient noise levels should conform to the standards prescribed under EPA Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time

V. Energy Conservation measures

i. The energy sources for lighting purposes shall preferably be LED based.

ii. The project proponent shall make efforts to ensure the reduction of overall power demand which may be met by solar system including the provision of solar water heating or through any other innovative environment friendly techniques.

VI. Waste management

i. All the topsoil excavated during construction activities should be stored for use in horticulture / landscape development within the project site.

ii. Disposal of muck during construction phase should not create any adverse effect on the neighbouring communities and be disposed of after taking the necessary precautions for

general safety and health aspects of people with the approval of competent authority. The project proponent will comply with the provisions of Construction & Demolition Waste Rules, 2016. Dust, smoke & debris prevention measures such as wheel washing, screens, barricading and debris chute shall be installed at the site during construction including plastic / tarpaulin sheet covers for trucks bringing in sand & material at the site.

iii. Construction spoils, including bituminous material and other hazardous material, must not be allowed to contaminate watercourses. The dump sites for such material must be secured, so that they should not leach into the groundwater.

iv. Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arresters shall be provided on tank farm and the solvent transfer through pumps.

v. Process organic residue and spent carbon, if any, shall be sent to cement industries. ETP sludge, process inorganic & evaporation salt shall be disposed of to the TSDF.

vi. The Project proponent shall abide by the provisions of Solid Waste Management Rules, 2016 (amended from time to time), if applicable.

vii. The company shall undertake waste minimization measures as below: -

a. Metering and control of quantities of active ingredients to minimize waste.
b. Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.
c. Use of automated filling to minimize spillage.
d. Use of Close Feed system into batch reactors.
e. Venting equipment through vapour recovery system.
f. Use of high-pressure hoses for equipment clearing to reduce wastewater generation

VII. Green Belt

i. The green belt shall be developed in more than 33% of the total project area, mainly along the plant periphery, in downward wind direction, and along road sides etc. Selection of plant species shall be as per the CPCB guide lines in consultation with the State Forest Department. Total 963 trees to be planted without accounting the shrubs and protect the same with tree guard made of concrete. There are already 300 plants in the premises and further 663 more trees will be planted in phase manner.

VIII. Safety, 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 unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire fighting system shall be as per the norms.

iii. The PP shall provide Personal Protection Equipment (PPE) as per the norms of Factory Act.

iv. Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees

shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.

v. 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.

vi. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.

vii. There shall be adequate space inside the plant premises earmarked for parking of vehicles for raw materials and finished products, and no parking to be allowed outside on public places.

viii. A first aid room will be provided in the project both during construction and operation phase of the project.

IX Validity of Environmental Clearance.

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.

X. Miscellaneous

i. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department etc. shall be obtained, by project proponent from the competent authorities including Punjab Pollution Control Board and from other statutory bodies as applicable.

ii. In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by State Environment Impact Assessment Authority, Punjab.

iii. The environmental safeguards contained in the application of the promoter / mentioned during the presentation before State Level Environment Impact Assessment Authority/State Expert Appraisal Committee should be implemented in letter and spirit.

iv. 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.

v. 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.

vi. 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.

vii. The project proponent shall monitor the criteria pollutants level namely; PM10, S02, NOx (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.

viii. 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.

ix. 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.

x. 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.

xi. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.

xii. 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.

xiii. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).

xiv. Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.

xv. The SEIAA/Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.

xvi. The SEIAA/ Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.

xvii. The Regional Office of this Ministry or Punjab Pollution Control Board shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office and PPCB by furnishing the requisite data / information/monitoring reports.

xviii. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.

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

XI. ADDITIONAL CONDITIONS:

i. The Environmental Clearance is granted to the project subject to the condition that industry shall obtain change of land use for the industrial purposes and submit a copy of the same to SEIAA. In case, CLU has been rejected for industrial use for any reason, SEIAA will not be responsible for the cost incurred on the project.

ii. To achieve the Zero Liquid Discharge, waste water generated from different industrial operations should be properly collected, treated to the prescribed standards and then recycled or reused for the identified uses.

iii. The project proponent shall make necessary arrangements for the recovery and reuse of steam condensate resulting from the indirect steam applications and shall not allow to discharge such effluents into drain.

iv. The project proponent shall provide advanced scrubbing systems with proper neutralizing media to handle the acidic/alkaline emissions from storage, handling & processing activities. Wherever required, packed bed scrubbers will also be provided. The suction and scrubbing systems shall also be designed to handle the inherent odours from such units.

v. The project proponent shall provide the Air Pollution Control Devices as proposed by the PPCB to control the emissions generated from the boiler within the prescribed parameter.

vi. The project proponent shall practice rainwater harvesting to maximum possible extent. For this village ponds located at Village- Bhagwanpur, Tehsil Dera Bassi, District SAS Nagar shall be adopted for desilting to recharge the rainwater. 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 in different parts, the overflow of each chamber shall be allowed to enter into another chamber which will ultimately lead to purification of water and collected into 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.

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

The case was considered by SEIAA in its 200th meeting which was attended by the following:

(i) Sh. Om Prakash, Director of the Company.
(ii) Sh. Sital Singh, EIA Coordinator and Er. S.S. Malhotra and Sh. Sandeep Singh from M/s CPTL on behalf of Project Proponent.

SEIAA perused the visit report of the officer of PPCB carried out on 06.01.2022 and observed that no construction activity pertaining to the proposed project has been started at site. Regarding NOC

for expansion, project proponent informed that NOC for expansion under the provision of Water Act, 1974 and Air Act, 1981 has yet to be obtained from the Punjab Pollution Control Board. However, Consent to Operate for existing unit under both the acts is valid up to 31.03.2023.

SEIAA, further observed that though the boundary of the Haryana State is at a distance of 100 m, the competency to decide the case lies with the SEIAA, Punjab as the clause of inter-state boundaries of General Condition is applicable for only River Valley Projects (1(c)), Thermal Power Plants (1(d)), Industrial estate/parks, leather complexes (7(c)) and common hazardous waste treatment, storage and disposal facilities (TSDFs) (7(d)).

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

To another query by SEIAA, project proponent submitted the revised proposal of Rs. 15 lacs for undertaking CER activities as under:

Sr. No.	Activities	Annual Expenditure (in lakhs)	Timeline	Recurring Expenditure for maintenance for 1 Year (in lakhs)
1.	A pond of village Bhagwanpur, Dera Bassi shall be adopted to make its surrounding environment pollution free by adopting the following measures: (i) Phytorid technology to treat the waste water discharge into the pond. (ii) Tree plantation of 6ft size around the pond.	8	1 year	2
2.	**Plantation** 400 tall plants of minimum 6ft height and woody stem of native species like Neem, Drek, Kadam, Kusum, Semul, Pilkhan, Peepul, Banyan, Chakrassia etc shall be planted inthe vicinity of the project and same shall be maintained for 3 years	4	1 year	1
Total		**12**	**1 year**	**3**

The above revised proposal submitted by the project proponent was taken on record by SEIAA.

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

After detailed deliberations, SEIAA decided to accept the recommendations of SEAC and grant Environmental Clearance for expansion in existing industrial unit for manufacturing of 8 proposed products of APIs, Drug Intermediates with production capacity of 78531 kg/year in an area of 18415.53 sqm or 4.62 acres located at Village Bhagwanpur, Dera Bassi- Barwala Road by Quad Life Sciences Pvt. Ltd. as per the details mentioned in the application (Form-1) and subsequent presentation /clarifications made by the project proponent and its consultant with proposed and special conditions recommended by SEAC and amended / additional conditions as under:

Additional Conditions:

IX. Environmental 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. A 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 a 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 the 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. 70.5 Lacs towards the capital cost and Rs. 16.9 Lacs/annum towards recurring cost in the construction phase of the project and Rs. 17.4 lacs as recurring cost in the operation phase including the environmental monitoring cost as per the details given below:

iv)

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	2.0	1.0
3.	Wind breaking curtains	9.0	3.0
4.	Sprinklers for suppression of dust	3.0	3.0
5.	Ambient Air Monitoring - every month	--	3

6.	Drinking water every -month	-	2.4
7.	Noise Level Monitoring - every month	--	0.5
8.	Sewage Treatment Plant (75 KLD)	25	--
9.	Solid Waste segregation & disposal	4.0	--
10	Green Belt including grass coverage	9.0	--
11.	RWHP (8 no. of pits)	6.0	--
12.	CER activities*	12.0	3.0
	Total	**70.5**	**16.9**
Operation Phase			
1.	Sewage Treatment Plant	--	4.5
2.	Solid Waste segregation & disposal	--	2.5
3.	Green Belt including grass coverage	--	3.0
4.	RWHP (8 no. of pits)	--	0.5
5.	Ambient Air Monitoring - every 3 months	--	3.0
6.	Noise Level Monitoring - every 3 months	--	0.5
7.	Treated Effluent Monitoring – every Month	--	1.0
8.	Drinking water	--	2.4
Total		**--**	**17.4**

CER activities*:

As proposed, the project proponent shall spend amount of Rs. 15 lacs under CER activities as per details given below:

Sr. No.	Activities	Annual Expenditure (in lakhs)	Timeline	Recurring Expenditure for maintenance for 1 Year (in lakhs)

1.	A pond of village Bhagwanpur, Dera Bassi shall be adopted to make its surrounding environment pollution free by adopting the following measures: (iii) Phytorid technology to treat the waste water discharge into the pond. (iv) Tree plantation of 6ft size around the pond.	8	1 year	2
2.	**Plantation** 400 tall plants of minimum 6ft height and woody stem of native species like Neem, Drek, Kadam, Kusum, Semul, Pilkhan, Peepul, Banyan, Chakrassia etc shall be planted inthe vicinity of the project and same shall be maintained for 3 years	4	1 year	1
Total		**12**	**1 year**	**3**

The entire cost of the environmental management plan will continue to be borne by the project proponent for the lifetime of the Project. Year-wise progress of implementation of the action plan shall be reported to the Ministry/Regional Office 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) 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. 200:05: Application for Environmental Clearance under EIA notification dated 14.09.2006 for the commercial project namely "Amayra Emporio" at Village Dau Majra, Kharar, SAS Nagar (Punjab) by M/s Omni Pacific Colonizers (P) Ltd., (SIA/PB/MIS/235981/2021).

Background and salient features of the matter are as under:

The project proponent has submitted an application for obtaining Environment Clearance under EIA Notification, 2006 for the establishment of commercial project namely "Amayra Emporio" at Village Dau Majra, Kharar, SAS Nagar, Punjab with proposed built-up area of 39918 Sqm and total project area of 25457.51 Sqm. Project is covered under Activity 8(a) and Category 'B2' of the EIA notification-2006.

The Project Proponent proposes to construct 82 showrooms each at lower ground floor, upper ground floor, first floor and second floor, which sums upto 328 no. of showrooms. Further, there is a proposal to construct 22 showrooms at lower ground floor and upper ground floor, which sums up to 44 no. of showrooms. Furthermore, the Project Proponent proposed to construct 26 no. of shops and one drive-through at lower ground floor. Furthermore, the Project Proponent proposes to construct a separate building block comprising of 45 no. of rooms.

The project proponent submitted the Form 1, 1A and other additional documents. He has also deposited the processing fee amounting to Rs. 79,836/- paid vide Transaction Reference No.530751989 dated 25.10.2021 as verified by supporting staff SEIAA.

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

PPCB was requested to send the latest construction status report of the project through e-mail on 22.11.2021. Punjab Pollution Control Board vide letter no. 7420 dated 27.12.2021 has sent the latest construction status report with details as under:

The proposed site of the subject cited project was visited by AEE of this office on 10/12/2021 and the point wise reply of the comments sought by SEIAA relating to the proposal of the subject cited industry, is given as under:

Sr. No.	Report of point sought boy SEIAA	Remarks
1	Construction status of the proposal project	1. The proposed site is located on left side of Kharar to Kurali highway (NH-21), in the revenue estate of village Daumajra, Tehsil Kharar, Distt. SAS Nagar. 2. The GPS coordinates of the site are 30.4609.45, 76.3724.18.

		3. The Project Proponent has completed construction work of three side of the boundary wall of the project with bricks. 4. No construction activity has been started at the 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.	The following units are located within 500 m radius of the unit: 1. No rice sheller/stone crusher/ hot mix plant/ brick kiln exists within 500 mtr from the proposed site. 2. There is no jaggery, petroleum outlet exists within 100 mtr of the site. 3. There is one pesticide formulation unit exist which is more than 300 mtr from the site. 4. There is no drain/ nallah/ choe exist within 500 mtr of the site. 5. There is no eco-construction within 500 mtr of the site.
3	Whether the site meets with the prescribed criteria for setting up of such projects.	The proposed site is complying with the sitting guidelines framed by the Government of Punjab for such proponent.

It is further intimated that no sewer line laid down by any authority near the project. However, the project proponent has not started any construction as well as any development work (w.r.t sewer line, electric line) at the site yet. The project proponent is required to submit an adequate proposal for the disposal of treated effluent as no sewer line is laid by the department concerned in the said area.

1.0 Deliberations during 212th meeting of SEAC held on 10.01.2022.

The meeting was attended by the following:

1. Sh. Tejinder Garg, Director.
2. Sh. Sital Singh, EIA coordinator, M/s Chandigarh Pollution Testing Laboratory, E- 126, Phase-VII, Industrial Area, Mohali.
3. Sh. 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/235981/2021
2.	Name and Location of the project	"Amayra Emporio" located at Village Dau Majra, Kharar, SAS Nagar, Punjab

<table>
<tr><td>3.</td><td>Project/activity covered under item of scheduled to the EIA Notification, 14.09.2006</td><td>8 a category B2 as per schedule appended with EIA notification 14.09.2006.</td></tr>
<tr><td>4.</td><td>Whether the project is in critical polluted area or not.</td><td>No</td></tr>
<tr><td>5.</td><td>Details of the Proposal</td><td>
<table>
<tr><th>Sr. No.</th><th>Category</th><th>Floor</th><th>Number</th><th>Total</th></tr>
<tr><td>1.</td><td>Commercial Showrooms</td><td>LGF, UGF, FF & SF</td><td>82</td><td>328</td></tr>
<tr><td>2.</td><td>Commercial Showrooms</td><td>LGF & UGF</td><td>22</td><td>44</td></tr>
<tr><td>3.</td><td>Shops</td><td>LGF</td><td>26</td><td>26</td></tr>
<tr><td>4.</td><td>Drive through</td><td>LGF</td><td>1</td><td>1</td></tr>
<tr><td>5.</td><td>Hotel</td><td>Separate building block</td><td>45 rooms</td><td>45 rooms</td></tr>
</table>
</td></tr>
<tr><td>6.</td><td>If the project involves diversion of forest land. If yes,
a) Extent of the forest land.
b) Status of the forest clearance.</td><td>No, a copy of an undertaking stating that the project does not require any clearance under Wildlife Protection Act, 1972 and Forest Conservation Act, 1980 submitted.</td></tr>
<tr><td>7.</td><td>a) Is the project covered under Punjab Land Preservation Act ,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>No, a copy of an undertaking stating that the project does not require any clearance under Wildlife Protection Act, 1972 submitted.

Further, the project proponent has applied for Forest Clearance for Approach Access on 08.01.2022 and submitted a copy of the same.</td></tr>
<tr><td>8.</td><td>If the project falls within 10 km of Eco sensitive area/ National Park/Wild Life Sanctuary. If yes,</td><td>The site of the project is located at a distance of around 17Km from the nearest eco-sensitive area i.e. Sukhna Wild Life Sanctuary.</td></tr>
</table>

<table>
<tr><td></td><td>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></td></tr>
<tr><td>9.</td><td>Classification/Land use pattern as per Master Plan</td><td>Commercial, permission for Change of Land Use for total land area of 25457.51 sqm, located at Village Daun majra, Kharar granted for commercial use by Smt. Pooja Sayal vide memo no. PB/CLU/SAS/Khara/1118 dated 17.09.2021.</td></tr>
<tr><td>10.</td><td>Cost of the project</td><td>48 Crore</td></tr>
<tr><td>11.</td><td>Total Plot area, Built up Area and Green area</td><td>
<table>
<tr><th>Description</th><th>Area in Sqm</th></tr>
<tr><td>Land</td><td>25362 sqm</td></tr>
<tr><td>Built-up Area</td><td>33918 Sqm</td></tr>
<tr><td>Green Area</td><td>3578 Sqm</td></tr>
</table>
</td></tr>
<tr><td>12.</td><td>Population (when fully operational)
Break up of Water Requirements & source in Operation Phase (Summer, Rainy, Winter):
<table>
<tr><td>Built up area on LG and UG= 16435 Sqm</td><td>1 person/10 sqm = 1643 persons</td><td rowspan="2">---</td></tr>
<tr><td>Built up area on 1st & 2nd floor = 14204 Sqm</td><td>1 person/6 sqm = 2367 persons</td></tr>
<tr><td>Total Population</td><td>4010 Persons</td></tr>
<tr><td>90% of the population</td><td>3609 persons @ 15lt/person</td><td>54 M3/day</td></tr>
<tr><td>10% of the population</td><td>401 persons @ 45lt/person</td><td>18 M3/day</td></tr>
<tr><td>Hotel rooms 45 @1.5 /person /room</td><td>67 @175ltr / person</td><td>11 M3/day</td></tr>
<tr><td>Green area</td><td>3578 sqm @ 5.5 ltr/sqm</td><td>20 M3/day</td></tr>
<tr><td>Total water required</td><td></td><td>103 M3/day</td></tr>
<tr><td>Total consumption of domestic water</td><td></td><td>83 M3/day</td></tr>
<tr><td>Total Discharge @ 80% to STP</td><td></td><td>66 M3/day</td></tr>
<tr><td>Outlet of STP @90 % of the total in to STP</td><td></td><td>59 M3/day</td></tr>
</table>
Total domestic Water Requirement – 103 KLD
<table>
<tr><th>Sr. No.</th><th>Season</th><th>Total Water Consumption (KLD)</th><th>Wastewater generation (KLD)</th><th>Treated Wastewater generation (KLD)</th><th>Reuse for Flushing (KLD)</th><th>Green Area requirement (KLD)</th><th>Construction purpose (KLD)</th></tr>
<tr><td>1.</td><td>Summer</td><td>83</td><td>66</td><td>59</td><td>50</td><td>9</td><td>0</td></tr>
</table>
</td></tr>
</table>

	2.	Winter	83	66	59	50	6	3
	3.	Rainy	83	66	59	50	2	7

13.	Source of Water	Treated waste water will be used in the construction (From nearby project STP) Further, to cater the needs of water for operation phase, the water shall be abstracted from the ground and necessary permission shall be taken. He further stated that he will apply for permission from CGWA.
14.	Disposal Arrangement of Waste water in Operation Phase	Total =66 KLD, which will be treated in the STP of capacity 75 KLD to be installed in the project premises.

Sr. No.	Season	For Flushing purposes (KLD)	Green Area sqm (KLD)	MC Sewer if any (KLD)	Construction purpose (KLD)
1.	Summer	50	09	--	0
2.	Winter	50	6	--	3
3.	Rainy	50	2	--	7

15.	Rain water recharging detail	Rain water will be collected through recharging pits @ 8no. pits (as mentioned in the conceptual plan) to recharge the rooftop rainwater of buildings after treatment through Oil & Grease Traps.
16.	Solid waste generation and its disposal	a) 829 kg/day b) Solid wastes will be appropriately segregated (at source. by providing bins) into recyclable, Bio-degradable and non-biodegradable Components.
17.	Hazardous Waste & E-Waste	E-waste shall sold out to the approved vendors and used oil & battery shall be sold out to the approved recyclers.
18.	Energy Requirements & Saving	a) 3000 KW from PSPCL. b) 2x 240 KVA, 1x500 KVA (DG Set) Saving measures: • Solar Light 12 No= 18 KWHD • Common area (300) lights replaced with LED = 162 KWHD Total Energy saved/day 18+162= 180 KWHD
19.	Environment Management Plan along with Budgetary break up phase wise and responsibility to implement	During construction phase & operation phase, General Manager (Projects) will be responsible for the implementation of the EMP.

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	2.0	1.0
3.	Wind breaking curtains	9.0	3.0

		4.	Sprinklers for suppression of dust	3.0	3.0
		5.	Ambient Air Monitoring - every month	--	3
		6.	Drinking water every - month	-	2.4
		7.	Noise Level Monitoring - every month	--	0.5
		8.	Sewage Treatment Plant (75 KLD)	25	--
		9.	Solid Waste segregation & disposal	4.0	--
		10	Green Belt including grass coverage	9.0	--
		11.	RWHP (8 no. of pits)	6.0	--
			Total	**58.5**	**13.9**
		Operation Phase			
		1.	Sewage Treatment Plant	--	4.5
		2.	Solid Waste segregation & disposal	--	2.5
		3.	Green Belt including grass coverage	--	3.0
		4.	RWHP (8 no. of pits)	--	0.5
		5.	Ambient Air Monitoring - every 3 months	--	3.0
		6.	Noise Level Monitoring - every 3 months	--	0.5
		7.	Treated Effluent Monitoring – every Month	--	1.0
		8.	Drinking water	--	2.4
		Total		**--**	**17.4**

During meeting, the project proponent, on the observation of SEAC, submitted the revised water balance and acknowledgement of application submitted to PWRDA for abstraction of ground water and the same has been taken on record.

The Project Proponent informed the Committee that no excess treated wastewater will be generated from the project in summer, 11 KLD & 15 KLD of excess treated wastewater will be generated in winter & rainy season respectively which will be used in the nearby construction projects. Keeping the size of the project in view, the SEAC was not satisfied with the reply given by the project proponent.

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

(i) The project proponent shall submit concrete proposal for utilization/ disposal of excess treated wastewater generated from the project.

(ii) The project proponent shall submit the drawing of the rainwater harvesting pits to be constructed for recharging of the groundwater.

(iii) The Project Proponent shall submit the environmentally sound technique for treatment and disposal of organic solid waste within the project.

2.0 Deliberations during 213th meeting of SEAC held on 24.01.2022.

The meeting was attended by the following:

1. Sh. Tejinder Garg, Director.
2. Sh. Sital Singh, EIA coordinator, M/s Chandigarh Pollution Testing Laboratory, E- 126, Phase-VII, Industrial Area, Mohali.
3. Sh. Deepak Gupta, Environmental Advisor.

The Environmental Advisor of the Project Proponent presented the reply of the ADS before the Committee, which is as under:

Sr. No.	Observations	Reply by Project Proponent
1.	The project proponent shall submit concrete proposal for utilization/ disposal of excess treated wastewater generated from the project.	Water balance for three seasons submitted. During summer, entire quantity of treated waste water will be utilized in the green area within project. The excess treated waste water generated during winter and rainy seasons shall be utilized on to land for irrigation in an area of 900 sq yard (753 sqm), which is to be developed as per Karnal Technology.
2.	The project proponent shall submit the drawing of the rainwater harvesting pits to be constructed for recharging of the groundwater.	RWHP design submitted

3	The Project Proponent shall submit the environmentally sound technique for treatment and disposal of organic solid waste within the project.	Mechanical composter of capacity of 50 kg/hour shall be provided which will be convert into manure and the same will be used in the green area.

The Environmental Advisor of the Project Proponent further apprised the Committee that water efficient fixtures shall be installed to conserve the water. With the use of these fixtures, the water consumption will reduce from 83 KLD to 78 KLD and the wastewater generation will reduce from 66 KLD to 62 KLD. Further, it was proposed to treat the waste water up to tertiary level by installing by ultra-filtration.

As per the revised water balance submitted by the project proponent, out of the total treated wastewater generation of 61 KLD in summer, 46 KLD shall be utilized for the flushing purpose and remaining 15 KLD shall be utilized in the green area of 3578 sqm to be developed within the project. Further in winter season, 46 KLD shall be utilized for flushing, 9 KLD for construction and remaining 6 KLD shall be utilized for green area. Similarly, in rainy season, 46 KLD shall be utilized for flushing, 13 KLD for construction purpose and remaining 2 KLD shall be utilized for green area. The Project Proponent informed during meeting that the excess treated wastewater generated during the winter and rainy season to the tune of 9 KLD and 13 KLD will be utilized in the green area of 900 sqyd (753 sqm) to be developed as per Karnal Technology, in case the said water could not be utilized for the construction purpose. Besides above, the project proponent proposed to construct holding tank of capacity 100 KLD for storage of treated waste water before utilizing the same for construction/Karnal Technology.

The Committee examined the proposal and observed that the Karnal Technology does not seem to be feasible option for utilizing the treated wastewater in summer season, as the entire quantity of treated wastewater shall be utilized in the green area of 3578 sqm to be developed within the project, therefore, the land area of 900 sqyd (753 sqm) shall remain unutilized during the whole of summer season, which prevails for at least 4 months of the year. The Committee did not allow the Project Proponent to develop the green area as per Karnal Technology. The Committee asked the Project Proponent to increase the capacity of holding tank from 100 KLD to 200 KLD for the storage of treated wastewater before utilizing the same for construction/road sprinkling for dust suppression purposes. The Project Proponent agreed to the same and submitted a copy of letter dated 24.01.2022 wherein, he stated that a tank of capacity 200 KLD shall be provided for storage of treated wastewater.

SEAC was satisfied with the reply given by the Project Proponent and took a copy of the same on record.

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 commercial project namely "Amayra Emporio" at Village Dau Majra, Kharar, SAS Nagar, Punjab with proposed built-up area of 39918 Sqm and total project area of 25457.51 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 Condition:

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 provide holding tank of capacity 200 KLD to utilize the treated waste water.
iv. The Project Proponent shall develop Green belt with native tree species (having canopy type structure and especially trees, and not grass) before the completion of the project. The greenbelt shall inter alia cover the entire periphery of the unit provided that the number of trees to be planted should not be less than one tree per 80 sqm of the total project area. The canopy trees shall also be planted around the parking area to provide shade to the parked vehicles.
v. 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.
vi. The project proponent shall submit the progress of developing the green belt in the six-monthly compliance report.
vii. The project proponent shall use the excess treated waste water for construction/road sprinkling for dust suppression purposes.

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 due to earthquakes, adequacy of firefighting equipment, etc. as per National Building Code including protection measures from lightening, etc.

iii) The project proponent shall obtain forest clearance under the provisions of the Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose 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., PM_{10} and $PM_{2.5}$) 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 78 KL/day, out of which fresh water demand of 32 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 62 KL/day, which will be treated in STP of capacity 75 KL/day within the project premises. As proposed, treated wastewater available at outlet of STP will be as reutilized as under: -

Sr. No.	Season	For Flushing purposes (KLD)	Green Area (KLD)	For construction purpose (KLD)
1.	Summer	46	15	Nil
2.	Winter	46	6	9
3.	Monsoon	46	2	13

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 324 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. 58.5 Lacs towards the capital cost and Rs. 13.9 Lacs/annum towards recurring cost in the construction phase of the project and Rs. 17.4 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	2.0	1.0
3.	Wind breaking curtains	9.0	3.0

4.	Sprinklers for suppression of dust	3.0	3.0
5.	Ambient Air Monitoring - every month	--	3
6.	Drinking water every -month	-	2.4
7.	Noise Level Monitoring - every month	--	0.5
8.	Sewage Treatment Plant (75 KLD)	25	--
9.	Solid Waste segregation & disposal	4.0	--
10	Green Belt including grass coverage	9.0	--
11.	RWHP (8 no. of pits)	6.0	--
	Total	**58.5**	**13.9**
Operation Phase			
1.	Sewage Treatment Plant	--	4.5
2.	Solid Waste segregation & disposal	--	2.5
3.	Green Belt including grass coverage	--	3.0
4.	RWHP (8 no. of pits)	--	0.5
5.	Ambient Air Monitoring - every 3 months	--	3.0
6.	Noise Level Monitoring - every 3 months	--	0.5
7.	Treated Effluent Monitoring – every Month	--	1.0
8.	Drinking water	--	2.4
Total		**--**	**17.4**

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.

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

The case was considered by SEIAA in its 200th meeting which was attended by the following:

(i) Sh. Tejinder Garg, Director.
(ii) Sh. Sital Singh, EIA coordinator and Er. S.S. Malhotra and Sh. Sandeep Singh from M/s Chandigarh Pollution Testing Laboratory, E- 126, Phase-VII, Industrial Area, Mohali.

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

To a query by SEIAA, project proponent replied that in case of the non-availability of construction projects in the vicinity for utilizing the treated waste water during winter and monsoon season, 1 kanal land will be developed as per the Karnal technology to utilize the treated waste water generated from the project. The said land is adjoining to the project area and is owned by them.

To another query by SEIAA, promoter company agreed to spend additional amount of Rs. 30 Lacs on CER activities in the vicinity of the project within 3 years, under the Environmental Management Plan (EMP) of the proposed project as per the details below:

Sr. No.	Activities	Annual Expenditure	Timeline	Recurring Expenditure for

		(in lakhs)		**maintenance for 3 Year (in lakhs)**
1.	**Plantation** 3000 tall plants of minimum 6ft height and woody stem of native species like Neem, Drek, Kadam, Kusum, Semul, Pilkhan, Peepul, Banyan, Chakrassia etc shall be planted inthe vicinity of the project and same shall be maintained for 3 years	15	1 year	15
Total		**15**	**1 year**	**15**

During discussions, the representative of the promoter company agreed to fully comply with all the conditions proposed by SEAC as also undertake the additional CER activities of Rs 30 lakhs as mentioned above.

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

After detailed deliberations, SEIAA decided to accept the recommendations of SEAC and grant Environmental Clearance for the establishment of commercial project namely "Amayra Emporio" at Village Dau Majra, Kharar, SAS Nagar, Punjab with proposed built-up area of 39918 sqm and total project area of 25457.51 sqm as per the details mentioned in the Form 1, 1A, EMP, conceptual plan and subsequent presentation /clarifications made by the project proponent and his consultant with proposed measures and subject to conditions proposed by SEAC and additional/amended conditions as under:

Additional Conditions:

i) As proposed, the project proponent shall spend Rs. 30 lacs under Corporate Environmental Responsibility (CER) plan as per the detail given as under:

Sr. No.	**Activities**	**Annual Expenditure (in lakhs)**	**Timeline**	**Recurring Expenditure for maintenance for 3 Year (in lakhs)**
1.	**Plantation** 3000 tall plants of minimum 6ft height and woody stem of native species like Neem, Drek, Kadam, Kusum, Semul, Pilkhan, Peepul, Banyan, Chakrassia etc shall be planted inthe vicinity of the project and same shall be maintained for 3 years	15	1 year	15

Total	**15**	**1 year**	**15**

ii) 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.

Amended Condition v) a) of III) of Water Quality Monitoring and Preservation

v) a) The total wastewater generation from the project will be 62 KL/day, which will be treated in STP of capacity 75 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**	**For Flushing purposes (KLD)**	**Green Area (KLD)**	**For Construction purpose/ plantation purposes as per Karnal technology in an area of 1 kanal**
1.	Summer	46	15	0
2.	Winter	46	6	9
3.	Monsoon	46	2	13

Item No. 200.06: Application for Environmental Clearance under EIA notification dated 14.09.2006 for the Residential group housing project namely "Jalandhar Heights-III" at Village Phollriwal, Tehsil & District Jalandhar (Punjab) by M/s AGI Infra Limited, (SIA/PB/MIS/246234/2021).

Details of the case are as under:

The project proponent has submitted an application for obtaining Environment Clearance under EIA Notification, 2006 for the establishment of Residential group housing project namely "Jalandhar Heights III" at Village Phollriwal, Jalandhar, Punjab in total land area of 24817 Sqm having proposed built-up area of 86985 Sqm. The Project is covered under Activity 8(a) & Category 'B2' as per EIA notification-2006.

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

The project proponent submitted the Form 1, 1A and other additional documents. The applicant has also deposited the processing fee amounting to Rs. 2,15,000/- vide RTGS No. PUNBR5202112021 dated 02.12.2021 as verified by supporting staff SEIAA. PPCB was requested to send the latest construction status report of the project through e-mail on 05.01.2022. Punjab Pollution Control Board vide email dated 07.01.2022 has sent the latest comments on the construction status of the project, which are as under:

"The detailed status report of the project Jalandhar Heights III, located at village Pholriwal, Tehsil & District Jalandhar being developed by the M/s AGI Infra Ltd., as sought by Environmental Engineer, DECC and as verified by AEE of the concerned office during visit of 06.01.2022 is detailed 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. (Photographs attached).

2. There is no river/ drain within 500-meter radius of the project. One cold store in the name and style of M/s Simar Cold Store exists at a distance of around 100-meters from the project boundary. The project site is surrounded by agricultural land and the already commissioned group housing project of the same Project Proponent. (500-meter survey plan is attached along with)

3. The details regarding the siting 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.

c. The project proponent has already obtained CLU for 6.132-acre land for group housing purpose for the above project site vide DTP letter no. STP (J)/CLU (1)/469 dated 31.03.2021 (copy enclosed)

As such the project site is complying with the prescribed siting criteria for setting up of such project.

1.0 Deliberations during 213th meeting of SEAC held on 24.01.2022.

The meeting was attended by the following:

1. Sh. Aswani Kant, General Manager on behalf of Project Proponent.
2. Sh. Sital Singh, EIA coordinator, 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/246234/2021
2.	Name and Location of the project	"Jalandhar Heights III" located at Village Phollriwal, Jalandhar, Punjab
3.	Project/activity covered under item of scheduled to the EIA Notification, 14.09.2006	8 (a) category B2 as per schedule appended with EIA notification 14.09.2006.
4.	If the project involves diversion of forest land. If yes, c) Extent of the forest land. d) Status of the forest clearance.	No, a copy of an undertaking stating that the project does not require any clearance under Wildlife Protection Act, 1972 and Forest Conservation Act, 1980 submitted.
5.	a) Is the project covered under Punjab Land Preservation Act ,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	No, a copy of an undertaking stating that the project does not require any clearance under Wildlife Protection Act, 1972, PLPA Act 1900 and Forest Conservation Act, 1980 submitted.

<table>
<tr><td></td><td>then Status of the NOC w.r.t PLPA,1900.</td><td></td></tr>
<tr><td>6.</td><td>If the project falls within 10 km of Eco sensitive area/ National Park/Wild Life Sanctuary. If yes,
c) Name of eco sensitive area/ National Park/Wild Life Sanctuary and distance from the project site.
d) Status of clearance from National Board for Wild Life (NBWL).</td><td>As per checklist, Project Proponent stated that the site of the project is not located in any eco-sensitive zone.

No

No</td></tr>
<tr><td>7.</td><td>Classification/Land use pattern as per Master Plan</td><td>Residential, permission for CLU for total land area of 6.132 acres at village pholriwal (Hadbast no. 252) Tehsil & District Jalandhar for developing group housing colony obtained from Senior Town Planner, Jalandhar vide memo no. 469 STP(J)/CLU dated 31.03.2021.</td></tr>
<tr><td>8.</td><td>Cost of the project</td><td>85 Crore</td></tr>
<tr><td>9.</td><td>Total Plot area, Built up Area and Green area</td><td>
<table>
<tr><td>Description</td><td>Area in Sqm</td></tr>
<tr><td>Land</td><td>24817 (6.132 Acres)</td></tr>
<tr><td>Built-up Area</td><td>86983</td></tr>
<tr><td>Green Area</td><td>8686 (35%)</td></tr>
</table>
</td></tr>
<tr><td>10.</td><td>Population (when fully operational)
Break up of Water Requirements & source in Operation Phase (Summer, Rainy, Winter):
<table>
<tr><td>Sr. No.</td><td>Description</td><td>Populations</td><td>Daily Water Requirement (LPCD)</td><td>Total Water Requirement (KLD)</td><td>Water reuse for flushing (KLD)</td></tr>
<tr><td>1</td><td>3 BHK /324 Flats @5 persons per unit</td><td>1620</td><td>135</td><td>218.7</td><td>56.70</td></tr>
<tr><td>2</td><td>EWS/ 32 Flats @ 5 persons per unit</td><td>160</td><td>135</td><td>21.60</td><td>5.60</td></tr>
<tr><td>3</td><td>Floating</td><td>400</td><td>15</td><td>6.00</td><td>4.00</td></tr>
<tr><td>4</td><td>Maintenance staff</td><td>50</td><td>45</td><td>2.25</td><td>0.50</td></tr>
<tr><td>5</td><td>Total</td><td>2230</td><td></td><td>249 say 250 KLD</td><td></td></tr>
</table>
Total domestic Water Requirement – 250 KLD</td></tr>
</table>

Sr. No.	Season	Total Water Consumption (KLD)	Wastewater generation (KLD)	Treated Wastewater generation (KLD)	Reuse for Flushing (KLD)	Green Area requirement (KLD)	Sewer (KLD)
1.	Summer	250	200	200	66	47	85
2.	Winter	250	200	200	66	16	115
3.	Rainy	250	200	200	66	4	128

Total waste water generation=200 KLD, which will be treated in the STP of capacity 225 KLD to be installed in the project premises.

The Project Proponent proposed to discharge excess treated wastewater of quantity 128 KLD into sewer, however, no permission has been obtained from the competent authority in this regard. The EDS was raised through online Parivesh Portal and the Project Proponent replied that the site of the proposed project is located at distance of 290 m from the project site of Jalandhar Height II. The outlet of the sewer of the said project is already connected with the main sewer line laid down by Jalandhar Development Authority. The Project Proponent submitted that the sewer line for Jalandhar Height III will be laid down and connected to the main sewer line.

11.	Source of Water	• Ground Water for meeting fresh water requirement and treated waste water for meeting flushing and green area requirement. • A copy of acknowledgement of the application filed with PWRDA dated 01.01.2022 for abstraction ground water submitted.
12.	Rain water recharging detail	Rain water will be collected through recharging pits @ 4 no. pits (as mentioned in the conceptual plan) to recharge the rooftop rainwater of buildings after treatment through Oil & Grease Traps.
13.	Solid waste generation and its disposal	a) 1004 kg/day (2230 @ 0.45 kg/capita/day) b) Solid wastes will be appropriately segregated (at source. by providing bins) into recyclable, Bio-degradable and non-biodegradable Components.
14.	Hazardous Waste & E-Waste	1) 500 ltr/annum 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.
15.	Green Belt details	Total green area 8686 sqm No. of trees to be planted= 310
16.	Energy Requirements & Saving	a) 2100 KW from PSPCL. Saving measures: • Solar Lighting = 75 KW

<table>
<tr><td></td><td></td><td>• LED Lighting = 137.5 KW
Total Energy saved/day 75+137.5= 212.5 KW</td></tr>
<tr><td>17.</td><td>Environment Management Plan along with Budgetary break up phase wise and responsibility to implement</td><td>
<table>
<tr><td>Sr. no</td><td>Description</td><td>Capital Cost (Rs. in Lacs)</td><td>Recurring cost (Rs. in Lacs)</td></tr>
<tr><td colspan="4">Construction Phase</td></tr>
<tr><td>1.</td><td>Medical Cum First Aid</td><td>1.0</td><td>0.5</td></tr>
<tr><td>2.</td><td>Toilets for workers</td><td>1.0</td><td>0.5</td></tr>
<tr><td>3.</td><td>Wind breaking curtains</td><td>4.0</td><td>0.5</td></tr>
<tr><td>4.</td><td>Sprinklers for suppression of dust</td><td>2.0</td><td>0.5</td></tr>
<tr><td></td><td>Total</td><td>8.0</td><td>2.0</td></tr>
<tr><td colspan="4">Operation Phase</td></tr>
<tr><td>1.</td><td>Sewage Treatment Plant</td><td>40.0</td><td>5.0</td></tr>
<tr><td>2.</td><td>Solid Waste segregation & disposal</td><td>8.0</td><td>2.0</td></tr>
<tr><td>3.</td><td>Green Belt including grass coverage</td><td>5.0</td><td>2.5</td></tr>
<tr><td colspan="2">Total</td><td>53.0</td><td>9.5</td></tr>
</table>
</td></tr>
<tr><td>18.</td><td>Corporate Environmental Responsibility (CER)</td><td>Rs.10Lacs</td></tr>
</table>

During meeting, the Project Proponent submitted a copy of letter issued by District Forest Officer vide letter no. JFD/FCA/NOC/152 dated 09.04.2021 addressed to Jalandhar Development Authority, wherein it has been mentioned that as per the status report furnished by the Forest Range Officer, the site of the project namely Jalandhar Heights III, is located in the Village Phollriwal hadbast no. 252, Jalandhar. Further, while construction of the proposed project and providing access road to the project, no forest land is involved. A copy of the said letter is attached as Annexure-C of the agenda

The Committee observed that the Project Proponent proposed to discharge maximum quantity of treated wastewater of 128 KLD into sewer. However, no permission has been obtained from the Competent Authority. In this regard, the Project Proponent submitted copy of letter issued by Jalandhar Development Authority (JDA) vide letter no.- CA/JDA/2021/3055 dated 08/03/2021 **(**Annexure-D**)** addressed to M/s AGI Infra Pvt. Ltd., for the project namely M/s Jalandhar Heights-II,

which is located at distance of 290 m from the project site. The relevant part of the letter issued by Jalandhar Development Authority is reproduced as under: -

"While designing/estimating the sewerage system, the other projects, approved by JDA, to be developed by the promoter in future on the 66' wide road, the population of these projects will be taken into account for laying down trunk sewer"

Further, the Project Proponent submitted an undertaking to the effect that the company shall be bound to lay down the sewer line from the project site i.e. Jalandhar Heights-III up to sewer line of JDA at their own cost before allowing any occupancy in the project site.

SEAC further observed that the capital & recurring cost proposed to be incurred for the installation of STP, solid waste management and green belt development was found to be on the lower side. The Committee asked the Project Proponent to revise the Environment Management Plan by revising the cost of STP, solid waste management and green belt development. The Project Proponent vide letter dated 24.01.2022 revised the EMP by revising the cost of these activities with details as under:

Sr. no	**Description**	**Capital Cost (Rs. in Lacs)**	**Recurring cost (Rs. in Lacs)**
Construction Phase			
1.	Medical Cum First Aid	1.0	0.5
2.	Toilets for workers	1.0	0.5
3.	Wind breaking curtains	4.0	0.5
4.	Sprinklers for suppression of dust	2.0	0.5
	Total	**8.0**	**2.0**
Operation Phase			
1.	Sewage Treatment Plant	80.0	5.0
2.	Laying of sewer line from project site to the trunk sewer of JDA existing nearby the project site	20	3
3.	Solid Waste segregation & disposal	20.0	5.0
4.	Green Belt including grass coverage	5.0	3.10
Total		**125.0**	**16.1**

SEAC was satisfied with the presentation and reply given by the Project Proponent and took a copy of the same on record.

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 group housing project namely "Jalandhar Heights III" at Village Phollriwal, Jalandhar, Punjab in the total land area of 24817 Sqm having proposed built-up area of 86985 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 standard conditions:-

Special Conditions:

i. The Project Proponent shall develop Green belt with native tree species (having canopy type structure and especially trees, and not grass) before the completion of the project. The greenbelt shall inter alia cover the entire periphery of the unit provided that the number of trees to be planted should not be less than one tree per 80 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 due to earthquakes, adequacy of firefighting equipment, etc. as per National Building Code including protection measures from lightening, etc.

iii) The project proponent shall obtain forest clearance under the provisions of the Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose 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., PM_{10} and $PM_{2.5}$) 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 water requirement for the project will be 250 KL/day, out of which fresh water demand of 184 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 200 KL/day, which will be treated in STP of capacity 225 KL/day within the project premises. As proposed, treated wastewater available at outlet of STP will be as reutilized as under: -

Sr. No.	Season	For Flushing purposes (KLD)	Green Area (KLD)	Into Public Sewer (KLD)
1.	Summer	66	47	85
2.	Winter	66	16	115
3.	Monsoon	66	4	128

d) 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.

e) 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, 4 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

iv) Ambient noise levels shall conform to residential area/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.

v) 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.

vi) 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

vii) 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.

viii) Outdoor and common area lighting shall be LED.

ix) 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.

x) 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.

xi) 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.

xii) 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

x) 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.

xi) 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.

xii) 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.

xiii) All non-biodegradable waste shall be handed over to authorized recyclers for which a written tie up must be done with the authorized recyclers.

xiv) 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.

xv) 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.

xvi) 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.

xvii) Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Rules, 2016.

xviii) 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

vii) 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.

viii) 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 310 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.

ix) 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.

x) 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.

xi) 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.

xii) 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

v) 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.

vi) 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.

vii) 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.

viii) 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

vi) 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.

vii) For indoor air quality the ventilation provisions as per National Building Code of India should be followed.

viii) 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.

ix) Occupational health surveillance of the workers shall be done on a regular basis.

x) 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. 125.0 Lacs towards the capital cost and Rs. 16.10 Lacs/annum towards recurring cost in the operation phase of the project 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	1.0	0.5
2.	Toilets for workers	1.0	0.5
3.	Wind breaking curtains	4.0	0.5

4.	Sprinklers for suppression of dust	2.0	0.5
	Total	**8.0**	**2.0**
Operation Phase			
1.	Sewage Treatment Plant	80.0	5.0
2.	Laying of sewer line from project site to the trunk sewer of JDA existing nearby the project site	20	3
3.	Solid Waste segregation & disposal	20.0	5.0
4.	Green Belt including grass coverage	5.0	3.10
Total		**125.0**	**16.1**

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.

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

The case was considered by SEIAA in its 200th meeting which was attended by the following:

(i) Sh. Ashwani Kant, General Manager on behalf of Project Proponent.

(ii) Sh. Sital Singh, EIA coordinator and Er. S.S. Malhotra and Sh. Sandeep Singh from M/s Chandigarh Pollution Testing Laboratory, E- 126, Phase-VII, Industrial Area, Mohali.

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

To a query by SEIAA, promoter project proponent submitted that Chief Administrator, JDA vide letter dated 08.03.2021 has awarded the work of laying sewer line on 66 ft road up to Jalandhar Height II to their company (M/s AGI Infra Ltd.). To this, SEIAA asked the promoter company to submit the NOC issued by the JDA regarding the connection of project to the main sewer of JDA. The promoter company requested to give a week time to submit the same. SEIAA accepted the request of the project proponent and decided to issue the EC after getting NOC of the JDA.

To another query by SEIAA, promoter company agreed to spend additional amount of Rs. 25 Lacs on CER activities in the vicinity of the project within 3 years, under the Environmental Management Plan (EMP) of the proposed project as per the details below:

Sr. No.	Activities	Annual Expenditure (in lakhs)	Timeline	Recurring Expenditure for maintenance for 3 Year (in lakhs)
1.	**Plantation** 2500 tall plants of minimum 6ft height and woody stem of native species like Neem, Drek, Kadam, Kusum, Semul, Pilkhan, Peepul, Banyan, Chakrassia etc shall be planted in the vicinity of the project and same shall be maintained for 3 years	12.5	1 year	12.5
Total		**12.5**	**1 year**	**12.5**

During discussions, the representative of the promoter company agreed to fully comply with all the conditions proposed by SEAC as also undertake the additional CER activities of Rs 25 lakhs as mentioned above.

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

After detailed deliberations, SEIAA decided to accept the recommendations of SEAC and grant Environmental Clearance for the establishment of residential group housing project namely "Jalandhar Heights III" at Village Phollriwal, Jalandhar, Punjab having proposed built-up area of 86985 sqm and total land area of 24817 sqm developed by M/s AGI Infra Limited after getting the NOC of JDA with respect to the sewer connection as per the details mentioned in the Form 1, 1A, EMP and subsequent presentation /clarifications made by the project proponent and his consultant with proposed measures and subject to conditions proposed by SEAC and amended and additional condition as under:

Amendment in the Condition No. 3 of Environmental Management Plan

iii) Action plan for implementing EMP and environmental conditions along with the responsibility matrix of the company shall be prepared and shall be duly approved by 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. 137.5 Lacs towards the capital cost and Rs. 28.6 Lacs/annum towards recurring cost in the operation phase of the project 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	1.0	0.5
2.	Toilets for workers	1.0	0.5
3.	Wind breaking curtains	4.0	0.5
4.	Sprinklers for suppression of dust	2.0	0.5
5.	CER activities *	12.5	12.5
	Sub Total	**20.5**	**14.5**
Operation Phase			
1.	Sewage Treatment Plant	80.0	5.0
2.	Laying of sewer line from project site to the trunk sewer of JDA existing nearby the project site	20	3
3.	Solid Waste segregation & disposal	20.0	5.0
4.	Green Belt including grass coverage	5.0	3.10
Total		**137.5**	**28.6**

Corporate Environmental Responsibility (CER) activities*

As proposed, the project proponent shall spend Rs. 25 lacs under Corporate Environmental Responsibility (CER) plan as per the detail given as under:

Sr. No.	Activities	Annual Expenditure	Timeline	Recurring Expenditure for

		(in lakhs)		**maintenance for 3 Year (in lakhs)**
1.	**Plantation** 2500 tall plants of minimum 6ft height and woody stem of native species like Neem, Drek, Kadam, Kusum, Semul, Pilkhan, Peepul, Banyan, Chakrassia etc shall be planted in the vicinity of the project and same shall be maintained for 3 years	12.5	1 year	12.5
Total		12.5	1 year	12.5

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.

XIII Additional Condition

i) 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 200.07: Application for amendment in Environmental Clearance granted under EIA notification dated 14.09.2006 for the establishment of a commercial project namely "Social Square" at Zirakpur-Patiala Road, VIP Road, SAS Nagar, Punjab by M/s Home and Land Planners LLP. (Proposal No. SIA/PB/MIS/249853/2022).

Background and salient features of the matter are as under:

The project proponent was granted Environmental Clearance vide no. SEIAA/2019/1170 dated 09.12.2019 for the establishment of a commercial project namely "Social Square" in an area of 24,507.43 sqm. having built up area of 61,804.20 sqm., at Zirakpur-Patiala Road, VIP Road, SAS Nagar, Punjab. As per the details mentioned in the Form-1, the Project Proponent proposed to construct Offices, Shops, Mini shops, Banquet Hall, Café, Restaurant, Gym, Conference Hall and Service Apartments.

The project proponent has applied for obtaining amendment in the Environmental Clearance granted to it and submitted Form-4 along with compliance of the conditions of the earlier Environment Clearance granted to the project. The Project Proponent has informed that earlier there was proposal to construct Banquet Hall along with small office/home office (SOHO) @ 128 No., however, now only 34 SOHO are to be constructed and instead of Banquet Hall, Offices & Shops shall be constructed. As per the conceptual plan, the built-up area of the project has now been revised to 72934 sqm.

The project proponent deposited the processing fee of Rs. 1,45,868/- through NEFT no. KKBKH22005786011 dated 05.01.2022, as verified by supporting staff SEIAA.

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

1.0 Deliberations during 213th meeting of SEAC held on 24.01.2022.

The meeting was attended by the following:

1. Sh. Raj Kumar, Vice President of Project.
2. Sh. Sital Singh, EIA coordinator, M/s Chandigarh Pollution Testing Laboratory, E- 126, Phase-VII, Industrial Area, Mohali.
3. Sh. 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.	Reference of Approved EC	Description as per approved EC	Description as per proposal	Remarks
1.	Land area	24507.43 sqm	24507.43 sqm	No change
2.	Built up area	61804.20 sqm	72934 sqm	Increase by 11129.8 sqm.
3.	Population	6175 persons	5754 persons	Decrease by 421 persons
4.	Total water requirement	427 KLD	140 KLD	Decrease by 287 KLD
5.	Fresh Water requirement	301 KLD	59 KLD	Decrease by 242 KLD
6.	Flushing water requirement	126 KLD	81 KLD	Decrease by 45 KLD
7.	Sewage Generation	342 KLD	112 KLD	Decrease by 230 KLD
8.	STP Capacity	400 KLD	150 KLD	Decrease by 250 KLD
9.	MSW	1346 Kg/day	1453 Kg/day	Increase by 107 Kg/day
10.	Treated Water to discharge into Sewer	198 KLD	21 KLD	Decrease by 177 KLD

* The Project Proponent could not justify the reason for increase of MSW generation despite of decrease in population.

Further, in pursuance to the above proposal, the project proponent has submitted the details of the calculations for population, water requirement and wastewater generation, which is reproduced as under:

Sr. No.	**Description**	**Person/water demand**	**In (KLD)**
1.	Built up area on L/G, U/G and 1st floor= 22034 sqm.	1 Person/6sqm=3672 persons	
2.	Built up area on 2nd to 10th floor=20814 sqm	1 person/10 sqm=2082 persons	---

3.	Total Population	5754 persons	
4.	90 % of the population	5178 persons @ 15 LPCD	78 KLD
5.	10 % of the population	573 persons @ 45 LPCD	26 KLD
6.	SOHO 34 No. @ 2 Person/SOHO = Persons	68 @ 135 LPCD	9 KLD
7.	Multiplex 1080 Person	1080 Persons @ 15 LPCD	16 KLD
8.	Food Court 150 seats	150 @ 75 LPCD	11 KLD
9.	Green area	1775 Sqm. @ 5.5 Ltr/sqm	10 KLD
10.	Total water required	--	150 KLD
11.	Total consumption of domestic water	--	140 KLD
12.	Total Discharge @ 80 % to STP	--	112 KLD

During meeting, SEAC asked the Project Proponent to submit the details of the built-up area of the various components under commercial project for which the earlier Environmental Clearance was granted. The Project Proponent submitted the details of built-up area as per the previous and present proposal as under:

Sr. No	**Description**	**As per Earlier EC granted to the Project Proponent (Built up area in sqm)**	**As per new proposal (Built up area in sqm)**
1	Shops, Retails, SCO, offices &small offices	24713	41424.037
2	SOHO	4271	1423.74
3	Kiosk	79	94
4	Banquet hall	1240	-
5	Cafe House	100	100
6	Food Court	3721	5081.89
7	Restaurant	1810	1810
8	Gym	210	210
9	Spa	79	78
10	Multiplex	2241	2241
11	Conference Hall	125	140
12	Service Apartments	4248	0
13	Visitors+ backend	-	-

14	Green area	-	-
	Total FAR area	42837	52602
	Non-FAR area	18967.05	20332
	Total built up area	**61804**	**72934**

After discussion and deliberations, SEAC decided to forward the case to the SEIAA with recommendation to grant for amendment in Environmental Clearance granted to the Project Proponent.

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

The case was considered by SEIAA in its 200th meeting which was attended by the following:

(i) Sh. Raj Kumar, Vice President of Project.
(ii) Sh. Sital Singh, EIA coordinator and Er. S.S. Malhotra and Sh. Sandeep Singh from M/s Chandigarh Pollution Testing Laboratory, E- 126, Phase-VII, Industrial Area, Mohali.

Environmental consultant presented the salient features of the project. During the meeting, it was informed that the project is under construction phase and as on date, 65% construction has been completed. The conceptual plan of the Project has been changed due to change in planning on account of market conditions. As such, application for obtaining the amendment in the earlier granted Environmental Clearance has been submitted. Further, he informed that the earlier calculation factors for computing the population of various components under the project were incorrect. After correcting these population factors for the different components, impact of all the environmental parameters were found negative except generation of municipal solid waste which has marginally increased from 1346 Kg per day to 1453 Kg per day. The Municipal Solid Waste has increased as the average generation per person in SOHO, Food court has been considered as per the prescribed norms of 400 gm/person/day. A copy of the presentation was submitted which was taken on record by SEIAA.

On being asked by SEIAA, Environmental consultant of the promoter company presented the report on compliance of the conditions of Environmental Clearance granted to the project. Project Proponent / Environmental Consultant also submitted that all stipulated conditions of the EC would be fully implemented and the requisite 6 monthly compliance reports would be submitted / uploaded as per EC conditions.

SEIAA observed that the case stands recommended by SEAC for amendment in the Environmental Clearance granted to the project proposal. SEIAA also examined the details of the case and was satisfied with the same.

After detailed deliberations, SEIAA decided to accept the recommendations of SEAC and amend the Environmental Clearance granted vide no. SEIAA/2019/1170 dated 09.12.2019 for the establishment of Commercial Project namely “Social Square” at Zirakpur-Patiala road, VIP road, SAS Nagar, Punjab by M/s Home and Land Planners LLP as per the Table – 1 & Table-2 given below, with all other details and conditions remaining same as in the original Environmental Clearance.

Table-1

Sr. No	Description	As per earlier EC granted to the Project Proponent (Built up area in sqm)	After amendment (as per new proposal (Built up area in sqm))
1	Shops, Retails, SCO, offices &small offices	24713	41424.037
2	SOHO	4271	1423.74
3	Kiosk	79	94
4	Banquet hall	1240	-
5	Cafe House	100	100
6	Food Court	3721	5081.89
7	Restaurant	1810	1810
8	Gym	210	210
9	Spa	79	78
10	Multiplex	2241	2241
11	Conference Hall	125	140
12	Service Apartments	4248	0
	Total FAR area	42837	52602
	Non-FAR area	18967.05	20332
	Total built up area	**61804**	**72934**

Table-2

Sr. no.	Reference of Approved EC	As per EC granted to the earlier proposal	After amendment as per new proposal
1.	Land area	24507.43 sqm	24507.43 sqm
2.	Built up area	61804.20 sqm	72934 sqm
3.	Population	6175 persons	5754 persons
4.	Total water requirement	427 KLD	140 KLD

5.	Fresh Water requirement	301 KLD	59 KLD
6.	Flushing water requirement	126 KLD	81 KLD
7.	Sewage Generation	342 KLD	112 KLD
8.	STP Capacity	400 KLD	150 KLD
9.	MSW	1346 Kg/day	1453 Kg/day
10.	Treated Water to discharge into Sewer	198 KLD	21 KLD

Item No. 200.08: Identification of the projects for monitoring of the compliance of the conditions of Environmental Clearance.

Background and salient features of the matter are as under:

SEIAA was apprised that as per the Parivesh portal, 114 project proponents to whom online Environmental Clearances were granted by SEIAA, Punjab have uploaded their six-monthly compliance reports and whereas 76 project proponents have yet to uploaded their six-monthly compliance reports on the Parivesh Portal. Out of these 76 Projects, 33 are of the mining sector whereas 43 projects are non-mining projects.

It was also apprised that Joint Committee of SEIAA/SEAC in the 12th Joint Meeting of SEIAA/SEAC held on 09.06.2021 decided that random inspection of the projects to which Environmental Clearance has been granted by SEIAA, Punjab be made on the directions of Chairman SEIAA/SEAC with prior intimation to Director DECC and PPCB.

SEIAA was in view of that non-mining sector projects which have still not submitted their six-monthly compliance reports shall be selected first for monitoring of the compliance of the conditions of Environmental Clearance. Thereafter, a smaller percentage of the projects which have uploaded their six-monthly reports shall also be inspected randomly to determine their compliance with EC conditions.

After deliberations, SEIAA decided that list of the Projects which have not submitted their six-monthly compliance reports be placed before SEIAA in its next meeting so that these may be assigned to SEIAA/SEAC members for inspection.

In compliance with the aforesaid decision, list of the Projects which have not submitted their six-monthly compliance reports has been prepared and same is annexed as Annexure-3 of Agenda for kind perusal.

1.0 Deliberations during 186th meeting of SEIAA held on 29.07.2021

The matter was considered by SEIAA in its 186th meeting held on 29.07.2021. SEIAA perused the list of the Projects which have not submitted their six-monthly compliance reports (Annexure-3 attached with Agenda) and found that a total of 41 Projects (excluding sand-mining projects - the inspection of which is to be done separately by a 5-member Committee constituted as per the directions of Hon'ble NGT) have not submitted their compliance reports as on 29.07.2021. These projects are required to be inspected for determining the status of their compliance of EC conditions.

After deliberations, SEIAA decided that the projects listed at odd Sr. No's (1,3,5…….41) of Annexure-2 of the proceedings be assigned to SEAC for monitoring of the compliance of the EC conditions within three months' time and SEAC be requested to send the compliance reports of these projects at regular intervals after site inspections. It was further decided that random inspection of some of

the remaining (even numbered) projects will also be undertaken by SEIAA. The schedule of all site visits be informed in advance to Director DECC as also to PPCB.

In compliance to the aforesaid decision, Member Secretary, SEAC has been requested vide letter no. 4623 dated 10.08.2021.

Further, SEIAA in its 194th meeting held on 29.11.2021 directed support staff to identify all the projects having an outlay of over Rs 25 crores which have not submitted six-monthly compliance reports on the Parivesh portal and which have not been included the list of Projects to be inspected by SEAC so that SEIAA may conduct random site visits of the same to check compliance of EC conditions.

A list of projects which have not submitted six-monthly compliance reports on the Parivesh portal and which have not been included the list of Projects to be inspected by SEAC is attached as Annexure-4 of the agenda for kind perusal. Further, as directed by the Chairman SEIAA, a list of all Projects above Rs 50 crores excluding assigned to SEAC (including Projects which have submitted 6 monthly compliance reports) has been prepared and is attached as Annexure-5 of the agenda for kind perusal please.

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

SEIAA was apprised as above. SEIAA perused the Annexure no. 4 and observed that the project proponents of 20 no. of projects having an outlay of over Rs 25 crores have not submitted six-monthly compliance report on the Parivesh Portal.

SEIAA perused the annexure no. 5 and observed that proposal no. 19203 was considered by SEIAA in its 184th meeting held on 28.06.2021 for its amendment wherein SEIAA decided that since there has been practically negligible compliance of the EC conditions from the time original EC was issued on 23.08.2018, SEIAA will undertake a special site visit in December 2021 to ascertain on-ground compliance of EC conditions by PSIEC.

After deliberations, SEIAA decided as under:

(i) Final notice for revocation of EC to be issued to the projects which have failed to submit the six-monthly compliance report on the Parivesh portal.

(ii) Site visit of Proposal no. 19203 shall be conducted in the 3rd week of January, 2022 whereas visits to proposal no's 25837, 25993, 25677, 11539 will be carried out by SEIAA in February, 2022. The dates for the said visits shall be finalized in the next meeting of SEIAA.

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

(i) 07 no. final notice for revocation of EC have been issued vide letter no. 4992 to 4998 dated 06.01.2022.

(ii) Dates for the visits to be carried out shall be finalized in the next meeting of SEIAA.

In order to comply the decision no. (ii), the matter is placed before SEIAA for consideration.

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

Environmental Engineer apprised SEIAA that besides above project, SIEL Industrial Estate Ltd. vide letter dated 26.11.2021 has submitted revised comprehensive compliance report of EC conditions to SEIAA Punjab. SEIAA perused the said compliance report of the EC condition in its 195th meeting held on 14.12.2021 wherein, SEIAA decided to visit the project in the 3rd week of January, 2022 to check the compliance of the conditions of the Environmental Clearance. The said industry is yet to be visited.

SEIAA observed that Member Secretary, SEIAA is on election duty and it was difficult for him to visit the industry. As such, it was decided that Chairman, SEIAA and Member SEIAA -cum-Chairman, PPCB, shall visit the SIEL Complex on 21.02.2022(Monday) to check the compliance of the conditions of the Environmental Clearance.

Environmental Engineer, SEIAA shall inform the promoter company regarding the said visit and direct to ensure the presence of Nodal Officer and Environmental Consultant of the project.

Item No. 200.09: Offline Item.

Item No. 200.10: Request for grant of conditional Environmental Clearance for Mining Leases in Punjab.

Background and salient features of the matter are as under:

1.0 Background Note

During the 198th meeting of SEIAA held on 06.01.2022, SEIAA was apprised that Chief Engineer, Drainage cum Mining & Geology, Water Resources Department, Punjab vide letter no 75-77 dated 06.01.2022 while sending the representation submitted by various contractors (M/s Prime Vision Industries Ltd vide letter dated 546 dated 30.12.2021, M/s Sainik Foods Private Ltd vide letter dated 548 dated 30.12.2021, M/s Mahadev Enclave Pvt. Ltd vide letter dated 547 dated 30.12.2021) has requested to grant interim permission to carry on the process of obtaining environmental clearance for TOR leases till the time District Survey Reports (DSR) are prepared.

After detailed deliberations, SEIAA decided that Chief Engineer, Drainage cum Mining & Geology, Water Resources Department, Punjab be informed that Contractor may apply for Terms of Reference for preparing EIA report and conducting public consultation with draft District Survey Reports (DSR) but final District Survey Reports (DSR) approved by SEIAA is required to be submitted along with Final EIA report at the time of submission of application for obtaining Environmental Clearance. A special Term of Reference shall also be imposed in this regard while granting the TORs to the Contractor.

Accordingly, the aforesaid decision of SEIAA has been conveyed to Chief Engineer, Drainage cum Mining & Geology, Water Resources Department, Punjab with a copy to the contractors vide letter no 5011-14 dated 19.01.2022. The said letter was also emailed to all concerned on 20.01.2022

2.0 Request made by the Mining Contractors.

Various mining contractors (Mahadev Enclave Pvt. Ltd., Prime Vision Pvt. Ltd., Sainik Industries Pvt. Ltd.) operating in the State of Punjab vide letter no. ME-001 dated 28.01.2022, 552 dated 28.01.2022 and SI-001 dated 28.01.2022 have requested that conditional Environmental Clearance for mining leases may be granted in view of the Hon'ble Supreme Court Judgement delivered on 10.11.2021 in CWP 3661/3662/2020 which will not only add revenue to the treasury of Government but also help in carrying out the smooth functioning of mining activities.

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

SEIAA perused the request submitted by the various contractors and observed that the order dated 10.11.2021 passed by the Hon'ble Supreme Court of India nowhere directs that the exercise of preparation of District Survey Report for the purpose of mining is to be dispensed with. Rather it has been directed that draft DSRs shall be prepared by the sub divisional committees consisting of

the Sub-Divisional Magistrate, Officers from the Irrigation Department, State Pollution Control Board or Committee, Forest Department, Geological or mining officer. The same shall be prepared by undertaking site visits and also by using modern technology. After the draft DSRs are prepared, the District Magistrate of the concerned District shall forward the same for examination and evaluation by the SEAC. The same shall be examined by the SEAC within a period of 6 weeks and its report shall be forwarded to the SEIAA within the aforesaid period of 6 weeks. The SEIAA will thereafter consider the grant of approval to such DSRs within a period of 6 weeks from the receipt thereof.

SEIAA further noted that as per the orders of the Hon'ble NGT and the Hon'ble Supreme Court, EC's for sand mining cannot be granted till the DSR's are prepared and approved in the manner prescribed by the Hon'ble Courts. As such, the request of the Contractors for grant of conditional EC's cannot be considered and is rejected.

After deliberations, SEIAA decided to inform the mining contractors as above.

Item no.200.11: Application for issuance of ToR for clinker grinding unit with cement production at Sadhroar & Sural Khurad, Tehsil Rajpura, District Patiala, Punjab by M/s Ultra Tech Cement Ltd. (Proposal No. SIA/PB/IND/ 64089/2021).

Background and salient features of the matter are as under:

The Project Proponent has applied for issuance of ToR for establishment of stand-alone Clinker Grinding Unit with Cement production capacity of 3.0 MTPA and D.G. Set (2x6 MW) at Sadhroar & Sural Khurad, Tehsil Rajpura, District Patiala, Punjab. Project is covered under activity 3(b) & Cate gory 'B1' as per EIA Notification, 2006. The Project cost is 250 Cr.

The project proponent has submitted the Form I, Pre-feasibility report and other additional documents on online portal. He had also deposited the requisite fee amounting Rs. 6,25,000/- through NEFT no. HDFCR52021070751660743 dated 07.07.2021, as verified by supporting staff SEIAA. The Project Proponent has deposited 25% of the total fee prescribed for the Environmental Clearance being at ToR stage and the remaining 75% of the fee i.e., Rs. 18,75,000/- will be paid at the time of applying for Environmental Clearance.

The project proponent submitted an undertaking that the project site does not cover under the Forest Conservation Act, 1980 or Punjab Land Preservation Act, 1900, Wildlife area under Wildlife (Protection) Act, 1972. Further no litigation against the project is pending in any Court of Law and no construction activity relating to the project has been started. The project site neither fall in Eco-sensitive Zone nor in the boundary of critical polluted area. The project does not attract the generation condition and specific condition.

Further, Punjab Pollution Control Board vide e-mail dated 29.07.2021 has been requested to send the latest construction status report. Punjab Pollution Control Board vide letter no. 4687 dated 17.08.2021 has sent the latest construction status report of the site and the relevant contents of the report are reproduced as under:

"The proposed site of the industry was visited by the officer of the Board on 31.07.2021 to verify the facts and the point wise reply/comments of the Board, to the information sought by the SEAC is as under:

Sr. no.	Point as desired by (SEAC)	Comments
1.	Construction status of the proposal	The Project Proponent has not started any construction activity at the proposed site as yet.

2.	Status of physical structures within 500 m radius of the site including the status of industries if any.	The industry namely M/s Nabha Power Plant, Colony of Nabha Power Plant, Gurudwara Sahib of village Haripur and Government Elementary School of village Haripur & village Sadhroar, exist within 500 m from the proposed site. Further, lal lakir of village Haripur, Tehsil Sirhind, District Fatehgarh Sahib falls within **100 mtr from the boundary of the proposed site.**
3.	Whether the site meets the prescribed criteria for setting up of such projects.	The land for the site is predominant agriculture area and the promoter has earmarked the land with small pillars. As per the documents submitted by the promoter, the site falls in the revenue estate of Village Sadhrawar, Tehsil Rajpura, Dist. Patiala. The industry has not submitted any certificate from the Revenue Department regarding its distance of the site from Wild Life Sanctuary/Zoo, National Highway, State educational institute/historical religious place/protected monuments as per the siting guideline for such type of units as per notification no. Admn/A-2F.No.178/98/# dated 02/09/1998. However, during visit along the boundary of the site, it was observed that lal lakir of Village Haripur, Tehsil Sirhind, Distt. Fatehgarh Sahib **falls within 100 meter form the boundary of the proposed site**. Also, Gurudwara Sahib of Village Haripur and Government Elementary School Haripur are located near to its boundary, which needs to be verified by the Revenue Authorities in addition to verification regarding education institute/ historical religious place/ protected monuments etc. Further, the residential area/ lal lakir of Village Sadhrawar also seems to be near the boundary of the site from where it will take fly ash from the Nabha Power Limited. The site is beyond 5 KM from MC, Patiala and 2 KM from MC, Rajpura but certificate from the respective local bodies is required to be submitted by the promoter. No national highway falls in a radius of 500 meter

		and no state highway falls in a radius of 300 meter from the proposed site but distance from any schedule road cannot be commented upon. Therefore, the distance of the roads from the proposed site required to be verified by the concerned department. As such, suitability of site cannot be commented upon without certification form the Revenue Authority / Department of Town & Country Planning, Punjab or other concerned departments. A copy of the siting criteria laid down by the Board for Cement grinding units is enclosed herewith. It is therefore, recommended that application of the promoter company may be decided, keeping in view the above-mentioned facts and sitting criteria framed for such units.

1.0 Deliberations during 205th meeting of SEAC held on 21.08.2021

The meeting was attended by the following:

1. Dr. K.V Reddy, behalf of on the Project Proponent.

2. Ms. Ekta Arora, EIA Coordinator, M/s J.M. Environet Pvt Ltd., Environmental Consultant of the Project Proponent.

SEAC allowed the Environmental Consultant of the Project Proponent to present salient features of the project which he presented as under:

Sr. No.	Item	Details
1.	Name and Location of the project	Proposed Clinker Grinding Unit with Cement Production Capacity of 3.0 MTPA and D.G. Set (2 x 6 MW) at Village: Haripur, Tehsil & District: Fatehgarh Sahib and Villages: Sadhroar & Sural Khurad, Tehsil: Rajpura, District: Patiala (Punjab) by M/s. UltraTech Cement Limited
2.	Project/activity	Category “B”, Project or Activity ‘3(b)’ Cement Plants
3.	Whether the project is in critical polluted area or not.	No

4.	If the project involves diversion of forest land. If yes, Extent of the forest land. Status of the forest clearance.	No
5.	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. 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, Name of Eco sensitive area/ National park/Wild Life Sanctuary and distance from the project site. Status of clearance from National Board for Wild Life (NBWL).	No
7.	Inter - district boundary	Fatehgarh Sahib - Patiala Inter district boundary (Passing through the Project site)
8.	Nearest habitation from Chimney	Haripur Village at 520 meters
9.	Classification/Land use pattern as per Master Plan	The proposed project site falls under Agricultural land as per the master plan.
10.	Cost of the project	Rs. 550 Crores
11.	Total Plot area, Built up Area and Green area (in ha)	**Total Land - 43.534** Proposed Built Up area - 17.048
12.	Manpower during operational	120 Persons
13.	Water Requirements & Source in Construction Phase	150 - 200 KLD

SEAC raised following observations to the Project Proponent:

Sr. no.	Observations	Reply
1.	As per the report of Punjab Pollution Control Board, lal lakir of Village Haripur, Tehsil Sirhind, Distt. Fatehgarh Sahib falls within 100 meter form the boundary of the proposed project site. Also, Gurudwara Sahib of Village Haripur and Government Elementary School Haripur are located near to its boundary, which needs to be verified by the Revenue Authorities in addition to verification regarding education institute/ historical religious place/ protected monuments etc. Further, the residential area/ lal lakir of Village Sadhrawar also seems to be near the boundary of the site from where it will take fly ash from the Nabha Power Limited. The site is beyond 5 KM from MC, Patiala and 2 KM from MC, Rajpura but certificate from the respective local bodies is required to be submitted by the promoter. No National highway falls in a radius of 500 meter and no State highway falls in a radius of 300 meter from the proposed site but distance from any schedule road cannot be commented upon. Therefore, the distance of the roads from the proposed site is required to be verified.	The boundary wall of the project will be shifted to meet the siting criteria as prescribed by Punjab Pollution Control Board. Further, the left-out area will be maintained as green belt.
2.	The Green Belt proposed to be developed in the left-out area shall be considered in addition to 33% green belt mandatory to be developed in the premises as per the provisions of EIA notification dated 14.09.2006.	Agreed by the Project Proponent.
3.	As per report of Punjab Pollution Control Board, the Project Proponent has to comply with following siting guidelines: I. Municipal Corporation Limits – 5km II. Class A Towns & Cities Limits- 2km III. Other Towns & Cities Limits – 1km IV. Village Laldora, Phirni – 500m V. Wild Life Sanctuary Zoo- 500m VI. National Highway- 500m VII. State Highway/Scheduled Road- 300m VIII. Residential Area (15 pucca house)- 300m IX. Educational institute/Historical Religious places/Protected Moments- 300m	The Project Proponent agreed to the same.

The Project Proponent further informed the SEAC that they have already carried out Environmental Baseline Study for Winter season (Dec., 2020 to Feb., 2021) and requested to allow them to utilize the same for preparation of EIA report. SEAC observed that as per OM dated 29.08.2017, the baseline data used for preparation of EIA/EMP reports may be collected at any stage, irrespective of the request for ToR or the issue thereof. However, such a baseline data and the public consultation should not be older than 3 years, at the time of submission of the proposal, for grant of Environmental Clearance, as per ToRs prescribed. As such, SEAC allowed the Project Proponent to utilize Environmental Baseline Study for Winter season (Dec., 2020 to Feb., 2021 for preparation of EIA report.

After deliberations, the SEAC observed that the proposed project site does not meet the siting criteria prescribed by PPCB. However, the project proponent agreed to shift the boundary wall to meet the siting criteria laid down by PPCB. In view of the assurance given by the project proponent, SEAC decided to forward the case to SEIAA with recommendation to issue ToRs subject to the condition that the Project Proponent will obtain NOC from PPCB for meeting their siting criteria before considering the case by SEIAA.

After detailed deliberations, it was decided to categorize the project under Activity 3(b); B-1 with public consultation as required for the project. The Committee approved the Terms of Reference, subject to submission of NOC from Punjab Pollution Control Board regarding the suitability of site as per their siting guidelines before the next meeting of SEIAA, for establishment of stand-alone Clinker Grinding Unit with Cement production capacity of 3.0 MTPA and D.G. Set (2x6 MW) at Sadhroar & Sural Khurad, Tehsil Rajpura, District Patiala, Punjab as per the details mentioned in the application & subsequent presentation /clarifications made by the project proponent & his consultant and conditions are as under:

A. STANDARD TERMS OF REFERENCE (TOR)

1) Executive Summary

2) Introduction

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

3) Project Description

i) Cost of project and time of completion.
ii) Products with capacities for the proposed project.
iii) If expansion project, details of existing products with capacities and whether adequate land is available for expansion, reference of earlier EC if any.
iv) List of raw materials required and their source along with mode of transportation.
v) Other chemicals and materials required with quantities and storage capacities
vi) Details of Emission, effluents, hazardous waste generation and their management.

vii) Requirement of water, power, with source of supply, status of approval, water balance diagram, man-power requirement (regular and contract)

viii) Process description along with major equipment and machineries, process flow sheet(quotative) from raw material to products to be provided

ix) Hazard identification and details of proposed safety systems.

4) Expansion/modernization proposals:

(i) Copy of all the Environmental Clearance(s) including Amendments thereto obtained for the project from MOEF/SEIAA shall be attached as an Annexure. A certified copy of the latest Monitoring Report of the Regional Office of the Ministry of Environment and Forests as per circular dated 30th May, 2012 on the status of compliance of conditions stipulated in all the existing environmental clearances including Amendments shall be provided. In addition, status of compliance of Consent to Operate for the ongoing existing operation of the project from SPCB shall be attached with the EIA-EMP report.

(ii) In case the existing project has not obtained environmental clearance, reasons for not taking EC under the provisions of the EIA Notification 1994 and/or EIA Notification 2006 shall be provided. Copies of Consent to Establish/No Objection Certificate and Consent to Operate (in case of units operating prior to EIA Notification 2006, CTE and CTO of FY 2005-2006) obtained from the SPCB shall be submitted. Further, compliance report to the conditions of consents from the SPCB shall be submitted.

5) Site Details

i. Location of the project site covering village, Taluka/Tehsil, District and State, Justification for selecting the site, whether other sites were considered.

ii. A toposheet of the study area of radius of 10km and site location on 1:50,000/1:25,000 scale on an A3/A2 sheet. (including all eco-sensitive areas and environmentally sensitive places)

iii. Details w.r.t. option analysis for selection of site

iv. Co-ordinates (lat-long) of all four corners of the site.

v. Google map-Earth downloaded of the project site.

vi. Layout maps indicating existing unit as well as proposed unit indicating storage area, plant area, greenbelt area, utilities etc. If located within an Industrial area/Estate/Complex, layout of Industrial Area indicating location of unit within the Industrial area/Estate.

vii. Photographs of the proposed and existing (if applicable) plant site. If existing, show photographs of plantation/greenbelt, in particular.

viii. Land-use break-up of total land of the project site (identified and acquired), government/ private - agricultural, forest, wasteland, water bodies, settlements, etc shall be included. (not required for industrial area)

ix. A list of major industries with name and type within study area (10km radius) shall be incorporated. Land use details of the study area
x. Geological features and Geo-hydrological status of the study area shall be included.
xi. Details of Drainage of the project up to 5km radius of study area. If the site is within 1 km radius of any major river, peak and lean season river discharge as well as flood occurrence frequency based on peak rainfall data of the past 30 years. Details of Flood Level of the project site and maximum Flood Level of the river shall also be provided. (mega green field projects)
xii. Status of acquisition of land. If acquisition is not complete, stage of the acquisition process and expected time of complete possession of the land.
xiii. R&R details in respect of land in line with state Government policy

6) Forest and wildlife related issues (if applicable):

i) Permission and approval for the use of forest land (forestry clearance), if any, and recommendations of the State Forest Department. (if applicable)
ii) Land-use map based on High resolution satellite imagery (GPS) of the proposed site delineating the forestland (in case of projects involving forest land more than 40 ha)
iii) Status of Application submitted for obtaining the stage I forestry clearance along with latest status shall be submitted.
iv) The projects to be located within 10 km of the National Parks, Sanctuaries, Biosphere Reserves, Migratory Corridors of Wild Animals, the project proponent shall submit the map duly authenticated by Chief Wildlife Warden showing these features vis-à-vis the project location and the recommendations or comments of the Chief Wildlife Warden-thereon.
v) Wildlife Conservation Plan duly authenticated by the Chief Wildlife Warden of the State Government for conservation of Schedule I fauna, if any exists in the study area
vi) Copy of application submitted for clearance under the Wildlife (Protection) Act, 1972, to the Standing Committee of the National Board for Wildlife

7) Environmental Status

i) Determination of atmospheric inversion level at the project site and site-specific micro-meteorological data using temperature, relative humidity, hourly wind speed and direction and rainfall.
ii) AAQ data (except monsoon) at 8 locations for PM10, PM2.5, SO2, NOX, CO and other parameters relevant to the project shall be collected. The monitoring stations shall be based CPCB guidelines and take into account the pre-dominant wind direction, population zone and sensitive receptors including reserved forests.
iii) Raw data of all AAQ measurement for 12 weeks of all stations as per frequency given in the NAQQM Notification of Nov. 2009 along with - min., max., average and 98% values for each of the AAQ parameters from data of all AAQ stations should be provided as an annexure to

the EIA Report.

iv) Surface water quality of nearby River (100m upstream and downstream of discharge point) and other surface drains at eight locations as per CPCB/MoEF&CC guidelines.

v) Whether the site falls near to polluted stretch of river identified by the CPCB/MoEF&CC, if yes give details.

vi) Ground water monitoring at minimum at 8 locations shall be included.

vii) Noise levels monitoring at 8 locations within the study area.

viii) Soil Characteristic as per CPCB guidelines.

ix) Traffic study of the area, type of vehicles, frequency of vehicles for transportation of materials, additional traffic due to proposed project, parking arrangement etc.

x) Detailed description of flora and fauna (terrestrial and aquatic) existing in the study area shall be given with special reference to rare, endemic and endangered species. If Schedule-I fauna are found within the study area, a Wildlife Conservation Plan shall be prepared and furnished.

xi) Socio-economic status of the study area.

8) Impact and Environment Management Plan

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

ii) Water Quality modelling - in case of discharge in water body

iii) Impact of the transport of the raw materials and end products on the surrounding environment shall be assessed and provided. In this regard, options for transport of raw materials and finished products and wastes (large quantities) by rail or rail-cum road transport or conveyor- cum-rail transport shall be examined.

iv) A note on treatment of wastewater from different plant operations, extent recycled and reused for different purposes shall be included. Complete scheme of effluent treatment. Characteristics of untreated and treated effluent to meet the prescribed standards of discharge under E(P) Rules.

v) Details of stack emission and action plan for control of emissions to meet standards.

vi) Measures for fugitive emission control

vii) Details of hazardous waste generation and their storage, utilization and management. Copies of MOU regarding utilization of solid and hazardous waste in cement plant shall also be included. EMP shall include the concept of waste-minimization, recycle/reuse/recover

techniques, Energy conservation, and natural resource conservation.

viii) Proper utilization of fly ash shall be ensured as per Fly Ash Notification, 2009. A detailed plan of action shall be provided.

ix) Action plan for the green belt development plan in 33 % area i.e., land with not less than

x) 1,500 trees per ha. Giving details of species, width of plantation, planning schedule etc. shall be included. The green belt shall be around the project boundary and a scheme for greening of the roads used for the project shall also be incorporated.

xi) Action plan for rainwater harvesting measures at plant site shall be submitted to harvest rainwater from the roof tops and storm water drains to recharge the ground water and also to use for the various activities at the project site to conserve fresh water and reduce the water requirement from other sources.

xii) Total capital cost and recurring cost/annum for environmental pollution control measures shall be included.

xiii) Action plan for post-project environmental monitoring shall be submitted.

xiv) Onsite and Offsite Disaster (natural and Man-made) Preparedness and Emergency Management Plan including Risk Assessment and damage control. Disaster management plan should be linked with District Disaster Management Plan.

9) Occupational health

(i) Plan and fund allocation to ensure the occupational health & safety of all contract and casual workers

(ii) Details of exposure specific health status evaluation of worker. If the workers' health is being evaluated by pre designed format, chest x rays, Audiometry, Spirometry, Vision testing (Far & Near vision, colour vision and any other ocular defect) ECG, during pre-placement and periodical examinations give the details of the same. Details regarding last month analysed data of above-mentioned parameters as per age, sex, duration of exposure and department wise.

(iii) Details of existing Occupational & Safety Hazards. What are the exposure levels of hazards and whether they are within Permissible Exposure level (PEL). If these are not within PEL, what measures the company has adopted to keep them within PEL so that health of the workers can be preserved,

(iv) Annual report of health status of workers with special reference to Occupational Health and Safety.

10) Corporate Environment Policy

(i) Does the company have a well laid down Environment Policy approved by its Board of Directors? If so, it may be detailed in the EIA report.

(ii) Does the Environment Policy prescribe for standard operating process / procedures to bring into focus any infringement / deviation / violation of the environmental or forest norms / conditions? If so, it may be detailed in the EIA.

(iii) What is the hierarchical system or Administrative order of the company to deal with the environmental issues and for ensuring compliance with the environmental clearance conditions? Details of this system may be given.

(iv) Does the company have system of reporting of non - compliances / violations of environmental norms to the Board of Directors of the company and / or shareholders or stakeholders at large? This reporting mechanism shall be detailed in the EIA report

11) Details regarding infrastructure facilities such as sanitation, fuel, restroom etc. to be provided to the labour force during construction as well as to the casual workers including truck drivers during operation phase.

12) Enterprise Social Commitment (ESC)

i. Adequate funds (at least 2.5 % of the project cost) shall be earmarked towards the Enterprise Social Commitment based on Public Hearing issues and item-wise details along with time bound action plan shall be included. Socio-economic development activities need to be elaborated upon.

13) Any litigation pending against the project and/or any direction/order passed by any Court of Law against the project, if so, details thereof shall also be included. Has the unit received any notice under the Section 5 of Environment (Protection) Act, 1986 or relevant Sections of Air and Water Acts? If so, details thereof and compliance/ATR to the notice(s) and present status of the case.

14) A tabular chart with index for points wise compliance of above TOR.

B. SPECIFIC TERMS OF REFERENCE FOR EIASTUDIES FOR CEMENT PLANTS

i) Limestone and coal linkage documents along with the status of environmental clearance of limestone and coal mines

ii) Quantum of production of coal and limestone from coal & limestone mines and the projects they cater to;

iii) For large Cement Units, a 3-D view i.e., DEM (Digital Elevation Model) for the area in 10 km radius from the proposal site.

iv) Present land use shall be prepared based on satellite imagery. High-resolution satellite image data having 1m-5m spatial resolution like quickbird, Ikonos, IRS P-6 pan sharpened etc. for the 10 Km radius area from proposed site. The same shall be used for land used/land-cover mapping of the area.

v) If the raw materials used have trace elements, an environment management plan shall also be included.

vi) Plan for the implementation of the recommendations made for the cement plants in the CREP guidelines must be prepared.

vii) Energy consumption per ton of clinker and cement grinding

viii) Provision of waste heat recovery boiler

ix) Arrangement for use of hazardous waste

2.0 Deliberations during 189th meeting of SEIAA held on 13.09.2021

The case was considered by SEIAA in its 189th meeting held on 13.09.2021 which was attended by the following:

1. Dr. K.V Reddy, Joint President on behalf of Project Proponent.
2. Ms. Ekta Arora, EIA Coordinator, M/s J.M. Environet Pvt Ltd., Environmental Consultant of the Project Proponent.

Before allowing the presentation, to a query by SEIAA, project proponent informed that application for obtaining Consent to Establish (NOC) for the proposed project has already been submitted with the Punjab Pollution Control Board (PPCB) and same is under process. He further informed that all issues relating to siting guidelines in para 1.0 supra had been fully addressed in the revised layout plan submitted for approval to the PPCB and that the NOC from the Board shall be obtained within 2-3 days and a copy of the same shall be submitted to SEIAA. As such, Project Proponent requested that he may be allowed to present the case.

SEIAA accepted the request of the project proponent and allowed him to present the salient features of the proposed project. A copy of the presentation was taken on record by SEIAA.

During discussions, the project proponent agreed to prepare detailed EIA on the basis of Terms of Reference as recommended by the SEAC and to submit the final EIA report incorporating the issues related to the Public Consultation process (to be held) as a separate chapter i.e. tabular chart with financial budget (capital and revenue) along with time-schedule of implementation for complying with the commitments made to the Public during aforesaid consultation.

The SEIAA observed that the SEAC has categorized the project into B-1 category (activity listed at S No 3 (b) of the schedule) with public consultation as required for the projects not located in notified industrial parks / estates and has recommended specific TORs for undertaking detailed EIA and EMP for the project.

The SEIAA looked into the details of the case and was satisfied with the same. Therefore, the Authority decided to accept the recommendations of SEAC and approved the Terms of Reference for undertaking detailed EIA & EMP as recommended by SEAC subject to the condition that Terms of Reference will be issued to the project proponent after submission of a copy of the NOC issued by PPCB as per revised layout plan which should be in conformity with all relevant siting guidelines.

In compliance with the aforesaid decision, Terms of Reference has been issued to the project proponent vide letter no. 4742 dated 28.09.2021.

The project proponent has now submitted a request letter dated 07.02.2022 in reference to the aforesaid TOR issued for getting amendment in the TOR with respect to the change in area of the

project site reduced from 28.88 ha to 21.0 ha due to the reason of facing difficulties for obtaining change of land use (CLU) in some of the Khasra Nos. A copy of the revised layout plan considering the report of the SDM (Rajpura and Fatehgarh Sahib) on the siting criteria prescribed by the Punjab Pollution Control Board was submitting along with the request letter.

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

The request of the project proponent was considered in the 200th meeting of SEIAA held on 08.02.2022. During the meeting, Environmental Engineer, SEIAA apprised that the project proponent informed that in order to comply with additional specific TOR issued by the SEIAA of obtaining consent to establish from the Punjab Pollution Control Board under the provisions of Water Act, 1974 and Air Act, 1981, amendment in the Terms of Reference has been sought.

SEIAA observed that project proponent now wants to reduce the size of proposed Clinker Grinding Unit from 28.88 ha to 21.0 ha for obtaining consent to establish from the Punjab Pollution Control Board under the provision of Water Act, 1974 and Air Act, 1981.

Since there is a genuine reason to amend the Terms of Reference, SEIAA decided to issue amendment of reducing the project area from 28.88 ha to 21.0 ha in the earlier granted TOR issued vide letter no. 4742 dated 28.09.2021 and allowed the project proponent to submit the final EIA report with reduced land area of 21.0 ha after public hearing with an additional TOR that project proponent shall submit draft EIA report (two copies each to Member Secretary, SEAC and Member Secretary, SEIAA) at the time of submission to PPCB for public hearing. Suggestions and concerns of SEIAA /SEAC on the draft EIA report will be addressed and incorporated in the final EIA report to be uploaded on the Parivesh portal.

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

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