

**Proceedings of 214<sup>th</sup> meeting of State Environment Impact Assessment Authority (SEIAA) held on 13.09.2022 (Tuesday) in the Conference Hall No. 1 (Room No 311), 2nd Floor of MGSIPA at 10:00 AM, MGSIPA Complex, Sector-26, Chandigarh.**

The meeting was attended by the following members:

- 1) Sh. Hardeep Singh Gujral,  
Chairman, SEIAA
- 2) Sh. Kamal Kumar Garg, PCS,  
Member Secretary, SEIAA
- 3) Dr. Adarsh Pal Vig, Member SEIAA -cum-  
Chairman, Punjab Pollution Control Board, Patiala

Er. Nikhil Gupta, Environmental Engineer SEIAA along with other supporting staff of SEIAA also attended the meeting.

**Item No. 01: Confirmation of the proceedings of the 213<sup>th</sup> meeting of the State Environment Impact Assessment Authority held on 23.08.2022.**

The proceedings of the 213<sup>th</sup> meeting of the State Environment Impact Assessment Authority held on 23.08.2022 were prepared and circulated through email on 01.09.2022. Since no online item was involved in the meeting, so the proceedings were not uploaded on the Parivesh portal. As such, the proceedings of the 213<sup>th</sup> meeting as circulated on 01.09.2022 stand confirmed.

**Item No. 02: Action on the proceedings of the 212<sup>th</sup> and 213<sup>th</sup> meeting of State Environment Impact Assessment Authority held on 17.08.2022 and 23.08.2022 respectively.**

SEIAA was apprised that the action on the proceedings of the 212<sup>th</sup> and 213<sup>th</sup> meeting of the State Environment Impact Assessment Authority (SEIAA) was being taken. Action taken report on proceedings of 212<sup>th</sup> and 213<sup>th</sup> would be placed in the next meeting of SEIAA. SEIAA noted the same.

**Item No. 214.01: Application for Terms of References (ToRs) for new Chemical Manufacturing unit at Village Damanheri, Siel Chemical Complex, Tehsil Rajpura, District Patiala, Punjab by M/s Chemoro Industries Limited (Proposal No. SIA/PB/IND3/81592/2022).**

The industry has submitted an application under EIA notification dated 14.09.2006 for Issuance of Terms of References (ToRs) for new Chemical Manufacturing unit for production of Chlorinated Paraffin Wax of 38,400 TPA, Hydrochloric Acid of 76,800 TPA, Sodium Hypochlorite of 4000 TPA and Calcium Chloride of 15000 TPA at Village Damanheri, Siel Chemical Complex, Tehsil Rajpura, District Patiala, Punjab. The Project is covered under Activity 5(f) & Category 'B1' as per EIA notification-2006. The industry has mentioned that the "General Conditions" are applicable in their case. However, this is incorrect as none of the provisos of the "General conditions" are applicable to the project.

The industry submitted the Form-I and other additional documents along with processing fee amounting to Rs. 30,000/- vide UTR No. KKBKH22215969523 dated 03.08.2022, as verified by the supporting staff SEIAA.

**1.0 Deliberations during 228<sup>th</sup> meeting of SEAC held on 05.09.2022.**

The meeting was attended by the following:

- (i) Mrs. Vaishnavi, Director, M/s Chemoro Industries Limited.
- (ii) Sh. Sital Singh, Environmental Consultant, M/s. Chandigarh Pollution Testing Laboratory.
- (iii) Sh. Sandeep Singh, Consultant, M/s. Chandigarh Pollution Testing Laboratory.

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

Sr. No.	Description	Details
<b>1</b>	<b>Basic Details</b>	
1.1	Name of Project & Project Proponent:	<b>Project name:-</b> Proposed Chemical Manufacturing unit namely M/s Chemoro Industries Pvt. Ltd. <b>Name of Project proponent:</b> Miss Vaishnavi (Director)
1.2	Proposal:	SIA/PB/IND3/81592/2022
1.3	Location of Project:	Village- Damanheri, Siel Chemical Complex, Tehsil- Rajpura, District- Patiala, Punjab.
1.4	Details of Land area & Built up area:	Total Site Area= 10918sqm Built-up Area = NA
1.5	Category under EIA notification dated 14.09.2006	The project falls under S.No. 5(f) – Synthetic organic Chemicals industry
1.6	Cost of the project	Rs. 12 Crores
<b>2.</b>	<b>Site Suitability Characteristics</b>	

2.1	Whether project is suitable as per the provisions of Master Plan:	Yes, the site falls in approved existing Industrial premise of SIEL Chemical complex. .
2.2	Whether supporting document submitted in favour of statement at 2.1, details thereof: (CLU/building plan approval status)	<p>The project is located within the chemical manufacturing facility in the industrial estate which is notified as approved industrial area by Govt. of Punjab as per the MoU between GoP and M/s Shree Ram Industrial Enterprises Limited on 14.10.1993. A copy of MoU submitted</p> <p>Now, M/s SIEL has been taken over by M/s Bodal Chemicals. Conveyance deed executed on 07.04.2021 between M/s Bodal Chemical &amp; M/s Mubana Sugar Limited and M/s SIEL Industrial Estate Limited submitted.</p> <p>M/s Bodal Chemicals provided land to M/s Chemoro Industries Limited to setup new chemical manufacturing unit on lease. Lease deed executed on 02.08.2022 for the total land area 2.69 acres at village Damanheri, Tehsil Rajpura, District Patiala submitted, which is valid for 15 years.</p>
<b>3</b>	<b>Forest, Wildlife and Green Area</b>	
3.1	Whether the project required clearance under the provisions of Forest Conservations Act 1980 or not:	No forest land is involved in the project. Undertaking regarding the same is enclosed with the application.
3.2	Whether the project required clearance under the provisions of Punjab Land Preservation Act (PLPA), 1900.	Project is not covered under PLPA Act, 1900.
3.3	Whether project required clearance under the provisions of Wildlife Protection Act 1972 or not:	No wildlife area covered under the provisions of the Wildlife (Protection) Act 1972
3.4	Distance of the project from the Critically Polluted Area.	The nearest critical polluted area is Ludhiana which is approx. 74 km from project location.
3.5	Whether the project falls within the influence of Eco-Sensitive Zone or not.	Not Applicable
3.6	Green area requirement and proposed No. of trees:	Total green area: 3603 sq.m.
<b>4.</b>	<b>Product details</b>	

4.1	Name & Quantity of Product	<b>DESCRIPTION</b>	<b>TOTAL CAPACITY</b>
		<b>PRODUCTION CAPACITY:</b>	
		Chlorinated Paraffin	<b>38,400 TPA</b>
		Hydrochloric Acids	<b>76,800 TPA</b>
		Sodium Hypochlorite	<b>4000 TPA</b>
	Calcium Chloride	<b>15000TPA</b>	
<b>5</b>	<b>Water</b>		
5.1	Total fresh water requirement:	232 KLD	
5.2	Source:	Through Tubewell	
5.3	Whether Permission obtained for abstraction/supply of the fresh water from the Competent Authority (Y/N) <i>Details thereof</i>	No	
5.4	Total wastewater generation:	The proposed project will be based on Zero Liquid Discharge.	
5.5	Treatment methodology: <i>(STP capacity, technology &amp; components)</i>	<ul style="list-style-type: none"> <li>No trade effluents from process shall be generated.</li> <li>The wastewater generated from domestic will be treated through septic tank and used for plantation within premises.</li> <li>The purge water of cooling tower shall be utilized for suppression of dust generated due to movement of trucks.</li> </ul>	
5.6	Cumulative Details:	<b>DESCRIPTION</b>	<b>TOTAL</b>
		Domestic	7.0 KLD
		Cooling (makeup water)	105.0 KLD
		Process	120.0 KLD
		Total	232.0 KLD
<b>6</b>	<b>Air</b>		
6.1	Details of Air Polluting machinery:	D.G. set- 1X250KVA	
6.2	Measures to be adopted to contain particulate emission/Air Pollution	DG set will be equipped with acoustic enclosure to minimize noise generation and adequate stack height for proper dispersion.	
<b>7</b>	<b>Energy Saving &amp; EMP</b>		
7.1	Power Consumption:	350 KW and the same shall be met through PSPCL.	

After detailed deliberations, SEAC decided to recommend the case to SEIAA to approve & issue the Terms of Reference (ToR) to the industry M/s Chemoro Industries Limited for new Chemical Manufacturing unit for production of Chlorinated Paraffin Wax of 38,400 TPA, Hydrochloric Acid of 76,800 TPA, Sodium Hypochlorite of 4000 TPA and Calcium Chloride of 15000 TPA at Village Damanheri,

Siel Chemical Complex, Tehsil Rajpura, District Patiala, Punjab for preparing Environmental Impact Assessment (EIA) report as required under the EIA notification dated 14.09.2006.

## **GENERIC CONDITIONS**

### **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. Details of existing products and production, if any, along with present product/production details in tabular format, to verify the compliance of the EIA Notifications.
- v. Details of existing products and production, if any, along with present product/production details in tabular format, to verify the compliance of the EIA Notifications.
- vi. List of raw materials required and their source along with mode of transportation.
- vii. Other chemicals and materials required with quantities and storage capacities
- viii. Details of Emission, effluents, hazardous waste generation and their management.
- ix. Requirement of water, power, with source of supply, status of approval, water balance diagram, man-power requirement (regular and contract)
- x. Details of boiler/gensets (including stacks/exhausts) and fuels to be used
- xi. Details of boiler/gensets (including stacks/exhausts) and fuels to be used
- xii. Process description along with major equipment's and machineries, process flow sheet (quantitative) from raw materials to products to be provided
- xiii. Hazard identification and details of proposed safety systems.
- xiv. Expansion/modernization proposals:
  - a. 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 Integrated Regional Office of the Ministry of Environment, Forest and Climate Change as per circular dated 30<sup>th</sup> May, 2012 on the status of compliance of conditions stipulated in all the existing environmental clearances including Amendments shall be provided. In addition, copy of the latest CTO and status of compliance of Consent to Operate

for the ongoing/existing operation of the project from SPCB shall be attached with the EIA-EMP report.

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

#### **4. Site Details**

- i. Location of the project site covering village, Taluka/Tehsil, District and State, Justification for selecting the site, whether other sites were considered.
- ii. A topo-sheet 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 download 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 upto 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. Documents related to conversion of land for Industrial purpose.
- xiii. R&R details in respect of land in line with state Government policy.

## 5. Forest, wildlife and CRZ 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 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
- vii. Recommendations and NOC from the concerned State/UT Coastal Zone Management Authority on CRZ angle.

## 6. Environmental Status

- i. Determination of atmospheric inversion level at the project site and site-specific micro- meteorological data using temperature, relative humidity, hourly wind speed and direction and rainfall.
  - 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. Study should indicate minimum, maximum value of different parameters for the period (3 months) collected. Collected data should be supported by the reference data of either CPCB or SPCB. AAQ data & GLC of pollutants from stack emissions should suggest technology/ measures- Best Practiced Technology (BPT) indicating best achieved results.
- ii. 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.
- iii. 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.
- iv. Whether the site falls near to polluted stretch of river identified by the CPCB/MoEF&CC, if yes give details.

- v. Ground water monitoring at minimum at 8 locations shall be included.
- vi. Noise levels monitoring at 8 locations within the study area.
- vii. Soil Characteristic as per CPCB guidelines.
- viii. Traffic study of the area, type of vehicles, frequency of vehicles for transportation of materials, additional traffic due to proposed project, parking arrangement etc.
- ix. 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.
- x. Socio-economic status of the study area.

## **7. Environment 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 1986.
- 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 2,500 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.

- x. 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.
- 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 District Disaster Management Plan.

## **8. 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 analyzed 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.

## **9. Corporate Environment Policy**

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

- v. 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.

#### **10. Corporate Environmental Responsibility (CER)**

- a. Adequate funds, as per the Ministry's OM/Guidelines, shall be earmarked towards the Corporate Environmental Responsibility based on Public Hearing issues/socio- economic issues and item-wise details along with time bound action plan shall be included (CER activities shall be related to environment). Socio-economic development activities need to be elaborated upon. For the projects where public hearing is not conducted, CER plan shall be provided based on socio-economic study of the area.

#### **11. Additional studies/Measures to be considered**

- a. Provide latest and ecofriendly technology for product manufacturing. Emphasize on Green chemistry/Clean Manufacturing
- b. Provide CAS No. of products along with product list.
- c. Provide details of amount of carbon sequestered in their unit through greenbelt/other modes, in case of expansion project.
- d. Life structure and sustainability for carbon and water foot print. (vi). Detailed pollution Load estimation.
- e. Transportation of Hazardous substance, effluents etc shall be carried out through authorized and GPS enable vehicles/Trucks only.
- f. Category of Hazardous Wastes shall be mentioned in the EIA/EMP report and in presentation.
- g. Details of greenhouse gases and emissions shall be provided.
- h. Greenbelt shall be developed in the first year of the project and wind breaks shall be erected.
- i. Study area map shall be overlapped with all the associated features.
- j. Emphasize on green fuels.
- k. The project from NCR shall not use Coal as fuel. Further, PP shall avoid use of Coal in the CPAs and elsewhere also if alternatives are available.
- l. Provide the Cost-Benefit analysis with respect to the environment due to the project.
- m. Details of carbon foot prints and carbon sequestration study w.r.t. proposed project needs to be spelled out. Proposed mitigation measures also need to be analyzed and submitted for further appraisal of the EAC

- 12. Any litigation pending against the project and/or any direction/order passed by any Court of Law against the project, if so, details thereof shall also be included. Has the unit received any notice under the Section 5 of Environment (Protection) Act, 1986 or relevant

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

13. A tabular chart with index for point wise compliance of above TORs and its details needs to be submitted in the EIA/EMP Report.

#### **SPECIFIC CONDITION**

1. Details on solvents to be used, measures for solvent recovery and for emissions control.
2. Details of process emissions from the proposed unit and its arrangement to control.
3. Ambient air quality data should include VOC, other process-specific pollutants\* like NH<sub>3</sub>\*,chlorine\*,HCl\*,HBr\*,H<sub>2</sub>S\*,HF\*,etc.,(\*-as applicable)
4. Work zone monitoring arrangements for hazardous chemicals.
5. Detailed effluent treatment scheme including segregation of effluent streams for units adopting 'Zero' liquid discharge.
6. Action plan for odour control to be submitted.
7. A copy of the Memorandum of Understanding signed with cement manufacturers indicating clearly that they co-process organic solid/hazardous waste generated.
8. Authorization/Membership for the disposal of liquid effluent in CETP and solid/hazardous waste in TSDF, if any.
9. Action plan for utilization of MEE/dryers salts.
10. Material Safety Data Sheet for all the Chemicals are being used/will be used.
11. Authorization/Membership for the disposal of solid/hazardous waste in TSDF.
12. Details of incinerator if to be installed.
13. Risk assessment for storage and handling of hazardous chemicals/solvents. Action plan for handling & safety system to be incorporated.
14. Arrangements for ensuring health and safety of workers engaged in handling of toxic materials.
15. Details of carbon foot prints and carbon sequestration study w.r.t. proposed project needs to spelled out. Proposed mitigation measures also needs to be analysed and submitted for further appraisal of the EAC.

#### **2.0 Deliberations during 214<sup>th</sup> meeting of SEIAA held on 13.09.2022**

The case was considered by SEIAA in its 214<sup>th</sup> meeting held on 13.09.2022 which was attended by the following:

- i) Sh. Sanket Sonara, CMD, M/s Chemoro Industries Limited.
- ii) Sh. Sital Singh, Environmental Consultant, M/s. Chandigarh Pollution Testing Laboratory.
- iii) Sh. Sandeep Singh, Consultant, M/s. Chandigarh Pollution Testing Laboratory

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 the amount to be spent for amelioration of the environment in lieu of the CER activities, the project proponent informed that an amount of about Rs 12 lacs will be spent on these activities and the details will be submitted along with EIA report.

To an observation of SEIAA, the project proponent as well as the Environmental Consultant agreed to submit a separate chapter on Safety and Disaster Management in the EIA report.

After detailed deliberations, SEIAA decided to accept the recommendations of SEAC and issue the Standard and Specific TORs as proposed by SEAC and additional TORs as under:

- (i) The project proponent shall submit four copies of draft EIA report (2 each for SEIAA and SEAC) before public hearing so that the said EIA reports can be studied thoroughly by SEIAA / SEAC. This will facilitate incorporation of the suggestions / inputs of SEIAA / SEAC as also timely addressal of their concerns in the final EIA report.
- (ii) The project proponent shall undertake activities for the amelioration of the environment in the vicinity of the Project in lieu of CER activities. An amount of Rs. 12 lacs will be provided for such activities and the detailed proposal of the same along with implementation timelines will be submitted along with EIA report at the time of obtaining EC. As decided in the 14<sup>th</sup> Joint meeting of SEIAA / SEAC held on 13.07.2022, the following activities may, *inter alia*, be undertaken in lieu of CER:
  - \* Development of Mini Forests (Nanak Bagichi), raising of Avenue Plantations and Plantations in public / community areas.
  - \* Rejuvenation of Village Ponds.
  - \* Procurement and operation of solid waste composters.
  - \* Development of Infrastructure for utilization of treated effluent of STPs.
  - \* Provision of solar panels in the Government / Municipal / other public schools, hospitals and Dispensaries etc.
  - \* Rainwater harvesting in Public Buildings.
  - \* Alternatives to Single Use Plastic.
  - \* Activities relating to amelioration of Air, Water and Soil pollution as prescribed in the District Environment Plan (DEP) in which gaps exist and which are not the statutory responsibility of Government Departments / Agencies.

In addition to the above, additional / alternate activities as proposed by the Project Proponent / their accredited consultants for amelioration of Air, Water and Soil pollution on the basis of field surveys can also be considered for approval by SEIAA / SEAC.

(iii) The industry shall submit a separate chapter on Safety and Disaster Management in the EIA report.

**Item No.214.02: Application for Issuance of TORs for Expansion of existing Steel Manufacturing Unit Namely M/s Rosha Alloys Pvt. Ltd. located at Village Tooran, Amloh Road, Mandi Gobindgarh, Distt. Fatehgarh Sahib, Punjab for increasing the production capacity to 152 TPD of Ingots (Proposal No. SIA/PB/IND/82376/2022)**

The industry is an existing steel manufacturing unit and is engaged in the manufacturing of Steel Ingots. The industry had been granted Consent to Operate under the provisions of Water Act 1974 & Air Act 1981 for the manufacturing of steel Ingots@ 49 MTD which is valid up to 30.09.2025 respectively.

The industry has submitted application for obtaining TORs for increase in production capacity from 49 TPD of Steel Ingots with one Induction Furnace of capacity 5 TPH to 152 TPD of Steel Ingots with one Induction Furnace of capacity 10 TPH at Village Tooran, Amloh Road, Mandi Gobindgarh, Distt. Fatehgarh Sahib, Punjab.

The Project is covered under Activity 3(a) & Category 'B1' as per EIA Notification, 2006. The General Condition is applicable to the activity 3 (a) as such the industry has submitted a self-declaration as under:

Sr. No.	General Conditions	Applicability
1.	Protected Area notified under the Wildlife (Protection) Act 1972	Not Applicable Nearest Wildlife Sanctuary is Bir-Bhandson Wildlife Sanctuary located at distance of 13 Km in SW directions.
2.	Critically Polluted areas as notified by the Central Pollution Control Board	Not applicable Ludhiana 38.5 Km
3.	Notified eco-sensitive area (Under sub section (2) of section 3 of EPA 1986)	Not applicable No notified eco-sensitive areas fall within 10 Km of the project location.
4.	Inter-state Boundaries and international boundaries.	Not applicable Nearest Inter-state Boundary is Punjab-Haryana Boundary at distance of 50 Km in E directions.

The industry has submitted the Form I, Pre-feasibility report and other additional documents through Parivesh portal. Requisite fees of Rs 23,089/ has also been deposited vide UTR No. FDR LH2222234139 dated 10.08.2022, as checked & verified by the supporting staff SEIAA.

**1.0 Deliberations during 228<sup>th</sup> meeting of SEAC held on 05.09.2022.**

The meeting was attended by the following:

- (i) Mr. Mohit Kumar, Authorized Signatory, M/s Rosha Alloys Private Limited.
- (ii) Mr. Sandeep Garg, EIA Coordinator, M/s Eco laboratories Pvt Ltd.
- (iii) Mrs. Jyoti Rani, EIA Coordinator, M/s Eco laboratories Pvt. Ltd.

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

Sr. No.	Description	Details			
<b>1.</b>	<b>Basic Details</b>				
1.1	Name of Industry & Project proponent:	M/s Rosha Alloys Pvt. Ltd. Project Proponent: Mr. Harinder Pal Singh Rosha (Director)			
1.2	Proposal	SW/288144/2022			
1.3	Location of Industry	Village Tooran, Amloh road, Mandi Gobindgarh, Distt. Fatehgarh Sahib, Punjab (147301)			
1.4	Details of land area and built-up area	Breakup of the project area is given below:			
		<b>S. No.</b>	<b>Description</b>	<b>Total area (in sq.m.)</b>	<b>Area in %</b>
		1.	Shed covered area	2,620.31	36.35
		2.	Other covered area	515.88	7.15
		3.	Plantation area	2,379.41	33.00
		4.	Passage area	1207.72	16.75
		5.	Parking area	278.26	3.85
		6.	Utility and Other area	206.82	2.86
		<b>Total area</b>		<b>7208.40 sq.m. (1.781 acres)</b>	<b>100%</b>
1.5	Category under EIA	3(a): Metallurgical Industries (ferrous & non-ferrous)			

	notification dated 14.09.2006	
1.6	Cost of the project	Existing Cost of the project is Rs. 4.28 Crores. Proposed cost for expansion is Rs. 4.95 Crores. Overall cost of the project after expansion will be Rs. 9.23 Crores.
<b>2.</b>	<b>Site Suitability Characteristics</b>	
2.1	Whether site of the industry is suitable as per the provisions of Master Plan:	Yes, Project location falls within the Industrial Zone as per Master Plan of Mandi Gobindgarh. The industry had already been granted consent to establish and operate under the provisions of the Water Act 1974 and Air Act 1981 for the manufacturing of 49 TPD of steel Ingots. Further, no additional land area is to be acquired for carrying out expansion.
2.2	Whether supporting document submitted in favour of statement at 2.1, details thereof: (CLU/ building plan approval status)	Master Plan of Mandi Gobindgarh showing project location submitted. Further, a copy of the site approval obtained from the Department of Labour & Employment vide Memo No. 21/28/04-2Lab/2534 dated 12.07.2004 submitted.
<b>3.</b>	<b>Forest, Wildlife and Green Area</b>	
3.1	Whether the industry required clearance under the provisions of Forest Conservation Act 1980 or not:	No clearance is required under the provisions of the Forest (Conservation) Act 1980. An undertaking in this regard submitted.
3.2	Whether the industry required clearance under the provisions of Punjab Land Preservation Act (PLPA) 1900:	Not applicable, as no PLPA land is involved.
3.3	Whether industry required clearance under the provisions of Wildlife Protection Act 1972 or not:	No NBWL permission is required as no Wildlife Sanctuary falls within 10 km radius of project location.



3.4	Distance of the industry from the Critically Polluted Area.	Nearest Critically Polluted area is Ludhiana located at a distance of approx. 48 km from the project.		
3.5	Whether the industry falls within the influence of Eco-Sensitive Zone or not. (Specify the distance from the nearest Eco sensitive zone)	No; as no Eco-sensitive zone falls within 10 km of the project location. Bir-Bhadson Wildlife Sanctuary is located at a distance of approx. 12.8 km from project location.		
3.6	Green area requirement and proposed No. of trees:	Green area of 2,379.41 sq.m. (33%) has been proposed within the project. Total 357 no. of trees @ 1,500 trees per hectare.		
<b>4.</b>	<b>Configuration &amp; Population</b>			
4.1	Raw materials, products & machinery details	<b>Raw Materials:</b>		
		<b>Existing</b>	<b>Proposed</b>	<b>Total After Expansion</b>
	<b>Materials</b>	Scrap & Ferro Alloys		
	<b>Quantity</b>	54 TPD	106 TPD	160 TPD
		<b>Products:</b>		
		<b>Existing</b>	<b>Proposed</b>	<b>Total After Expansion</b>
	<b>Products</b>	Steel Ingots		
	<b>Quantity</b>	49 TPD	103 TPD	152 TPD
		<b>Machinery:</b>		
		<b>Existing</b>	<b>Proposed</b>	<b>Total After Expansion</b>
	<b>Induction Furnace</b>	1 × 5 TPH	Replacement of existing Induction Furnace	1 × 10 TPH

4.2	Population details	<p>In the existing unit, 70 workers including both technical &amp; non-technical are working. Residing facility to 10 workers has been provided within project premises.</p> <p>For proposed expansion, additional 20 workers will be required. Thus, after expansion, total 90 workers will be working; out of which 15 workers will be residing within project premises.</p>
<b>5.</b>	<b>Water</b>	
5.1	Total fresh water requirement:	<p>In Existing unit, water requirement is 11 KLD which is being met through existing borewells.</p> <p>After expansion, total water requirement of the project will be 28 KLD; out of which fresh water requirement will be 24 KLD.</p>
5.2	Source:	Ground water (2 No. borewells)
5.3	Whether Permission obtained for abstraction/supply of the fresh water from the Competent Authority (Y/N) <i>Details thereof</i>	Permission will be obtained from PWRDA for abstraction of ground water.
5.4	Total water requirement for domestic purpose:	<p>Existing domestic water requirement is 2 KLD.</p> <p>After expansion the domestic water requirement for the project is estimated to be 5.5 KLD.</p>
5.4.1	Total wastewater generation:	<p>1.5 KLD of domestic effluent is being generated from existing unit which is disposed in septic tank provided within project premises.</p> <p>After expansion, approx. 4.5 KLD of domestic wastewater will be generated which will be treated in proposed STP of capacity 5 KLD.</p>
5.4.2	Treatment methodology for domestic wastewater: (STP capacity, technology & components)	<p>1.5 KLD of domestic effluent is being generated from existing unit which is disposed in septic tank provided within project premises.</p> <p>After expansion, approx. 4.5 KLD of domestic wastewater will be generated which will be treated in proposed STP of capacity 5 KLD. Treated water will be reused for cooling purpose within the project premises.</p>
5.5	Total water requirement for industrial purpose:	<p>For industrial purpose, make-up cooling water demand in the existing unit is 9 KLD.</p> <p>After expansion, make-up cooling water demand is estimated to</p>

		be 9.5 KLD.																								
5.5.1	<i>Total effluent generation:</i>	No industrial effluent is being generated and after expansion also no industrial effluent will be generated.																								
5.5.2	<i>Treatment methodology for industrial wastewater: (ETP capacity, technology &amp; components)</i>	Not applicable, as no industrial effluent generated.																								
5.6	Details of utilization of treated wastewater into green area in summer, winter and rainy season:	<p>Treated water from STP will be reused for cooling purpose within project premises.</p> <table border="1"> <thead> <tr> <th>Sr. No.</th> <th>Season</th> <th>Flushing purposes (KLD)</th> <th>Green area sq.m (KLD)</th> <th>Cooling purpose (KLD)</th> <th>MC Sewer (KLD)</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Summer</td> <td>--</td> <td>--</td> <td>4</td> <td>--</td> </tr> <tr> <td>2.</td> <td>Winter</td> <td>--</td> <td>--</td> <td>4</td> <td>--</td> </tr> <tr> <td>3.</td> <td>Monsoon</td> <td>--</td> <td>--</td> <td>4</td> <td>--</td> </tr> </tbody> </table>	Sr. No.	Season	Flushing purposes (KLD)	Green area sq.m (KLD)	Cooling purpose (KLD)	MC Sewer (KLD)	1.	Summer	--	--	4	--	2.	Winter	--	--	4	--	3.	Monsoon	--	--	4	--
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2.	Winter	--	--	4	--																					
3.	Monsoon	--	--	4	--																					
5.7	Utilization/ Disposal of excess treated wastewater.	Not applicable, as treated water will be reused for cooling purpose within project premises.																								
5.8	Rain water harvesting proposal:	No rain water recharging pits has been proposed within project premises. Thus, rain water recharging will be done outside of project premises by adopting pond. NOC will be obtained from Sarpanch of the Village regarding pond adoption and copy of the same along with detailed rain water recharging proposal will be submitted with EIA report.																								
<b>6.</b>	<b>Air</b>																									
6.1	Details of Air Polluting machinery:	<p>Source of air pollution are given below:</p> <table border="1"> <thead> <tr> <th>S. No.</th> <th>Machinery</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Induction Furnace</td> <td>1 × 10 TPH</td> </tr> </tbody> </table>	S. No.	Machinery	Description	1.	Induction Furnace	1 × 10 TPH																		
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1.	Induction Furnace	1 × 10 TPH																								

		2.	DG set	125 KVA	
6.2	Measures to be adopted to contain particulate emission/ Air Pollution	The details of the sources of pollution and its mitigation measures are given below:			
<b>S. No.</b>	<b>Source</b>	<b>Capacity</b>	<b>Chimney Height</b>	<b>APCD</b>	
1.	Induction Furnace	1 × 10 TPH	30 m	Side suction hood followed by bag filter as APCD of capacity 50,000 CMH will be installed on Induction Furnace of 10 TPH.	
2.	DG Set	125 KVA	2.5 m	Canopy	
<b>7.</b>	<b>Energy Saving &amp; EMP</b>				
7.1	Power Consumption:	Energy requirement is given below:			
		<b>S. No.</b>	<b>Description</b>	<b>Existing</b>	<b>Total After Expansion</b>
		1.	Power load	3,000 KVA	4,000 KVA
		2.	DG set	1 × 125 KVA	1 × 125 KVA
		Source: PSPCL (Punjab State Power Corporation Limited)			

The Committee observed that the industry falls in the industrial zone as per the Master Plan of Mandi Gobindgarh. After detailed deliberations, SEAC decided to recommend the case to SEIAA to approve & issue the Terms of Reference (ToR) to the industry **M/s Rosha Alloys Pvt. Ltd** for preparing Environmental Impact Assessment (EIA) report by carrying out public consultation as required under the EIA notification dated 14.09.2006:

**Standard ToR-**

**1. Introduction**

- i. Background about the project
- ii. Need of the project
- iii. Purpose of the EIA study
- iv. Scope of the EIA study

**Project description**

## **A. Site Details**

- i. Location of the project site covering village, Taluka/Tehsil, District and State.
- ii. Site accessibility
- iii. Adigital toposheet in pdf or shape file compatible to google earth of the study area of radius of 10km and site location preferably on 1:50,000 scale. (including all eco-sensitive areas and environmentally sensitive places).
- iv. Latest High-resolution satellite image data having 1m-5m spatial resolution like quickbird, Ikonos, IRS P-6 pan sharpened etc., along with delineation of plant boundary co-ordinates. Area must include at least 100m all around the project location.
- v. Environment settings of the site and its surrounding along with map.
- vi. A list of major industries with name, products and distance from plant site within study area (10km radius) and the location of the industries shall be depicted in the study area map.
- vii. In case if the project site is in vicinity of the water body, 50 meters from the edge of the water body towards the site shall be treated as no development/construction zone. If it's near the wetland, Guidelines for implementing Wetlands (Conservation and Management) Rules, 2017 may be followed.
- viii. In case if the project site is in vicinity of the river, the industry shall not be located within the river flood plain corresponding to one in 25 years flood, as certified by concerned District Magistrate/Executive Engineer from State Water Resources Department (or) any other officer authorized by the State Government for this purpose as per the provisions contained in the MoEF&CC Office Memorandum dated 14/02/2022.
- ix. Type of land, land use of the project site.
- x. Status of acquisition of land. If acquisition is not complete, stage of the acquisition process as per the MoEF&CC O.M. dated 7/10/2014 shall be furnished.
- xi. Engineering layout of the area with dimensions depicting 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.

## **B. Forest and wildlife related issues (if applicable):**

- i. Status of Forest Clearance for the use of forest land shall be submitted.
- ii. Copy of application submitted for clearance under the Wildlife (Protection) Act, 1972, to the Standing Committee of the National Board for Wildlife if the project site located within notified Eco-Sensitive Zone, 10km radius of national park/sanctuary wherein final ESZ notification is not in place as per MoEF&CC Office Memorandum dated 8/8/2019.
- iii. The projects to be located within 10 km of the National Parks, Sanctuaries, Biosphere Reserves, Migratory Corridors of Wild Animals, Eco-sensitive Zone and Eco-sensitive areas, the project proponent shall submit the map duly authenticated by Divisional Forest Officer showing the distance between the project site and the said areas.

- iv. Wildlife Conservation Plan duly authenticated by the Competent Authority of the State Government for conservation of Schedule I fauna, if any exists in the study area.

**C. Salient features of the project**

- i. Products with capacities in **Tons per Annum** for the proposed project.
- ii. If expansion project, status of implementation of existing project, details of existing/proposed products with production capacities in Tons per Annum.
- iii. Site preparatory activities.
- iv. List of raw materials required and their source along with mode of transportation.
- v. Other than raw materials, other chemicals and materials required with quantities and storage capacities.
- vi. Manufacturing process details along with process flow diagram of proposed units.
- vii. Consolidated materials and energy balance for the project.
- viii. Total requirement of surface/ ground water and power with their respective sources, status of approval.
- ix. Water balance diagram
- x. Details of Emission, effluents, hazardous waste generation and mode of disposal during construction as well as operation phase.
- xi. Man-power requirement.
- xii. Cost of project and scheduled time of completion.
- xiii. Brief on present status of compliance (Expansion/modernization proposals)
  - a. Cumulative Environment Impact Assessment for the existing as well as the proposed expansion/modernization shall be carried out.
  - b. In case of ground water drawl for the existing unit, action plan for phasing out of ground water abstraction in next three years except for domestic purposes and shall switch over to 100 % use of surface water from nearby source.
  - c. Copy of all the Environment Clearance(s) including Amendments thereto obtained for the project from MoEF&CC/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 30<sup>th</sup> May, 2012 on the status of compliance of conditions stipulated in all the existing environment clearances including amendments shall be provided.
  - d. In case the existing project has not obtained Environment 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 Regional Office of the SPCB shall be submitted.

## D. Description of the Environment

- i. Study period
- ii. Approach and methodology for data collection as furnished below.

Attributes	Sampling		Remarks
	Network	Frequency	
<b>A. Air Environment</b>			
<b>Micro-Meteorological</b> <ul style="list-style-type: none"> <li>• Wind speed (Hourly)</li> <li>• Wind direction</li> <li>• Dry bulb temperature</li> <li>• Wet bulb temperature</li> <li>• Relative humidity</li> <li>• Rainfall</li> <li>• Solar radiation</li> <li>• Cloud cover</li> <li>• Environmental Lapse Rate</li> </ul>	Minimum 1 site in the project impact area	1 hourly continuous	<ul style="list-style-type: none"> <li>• IS 5182 Part 1-20</li> <li>• Site specific primary data is essential</li> <li>• Secondary data from IMD, New Delhi</li> <li>• CPCB guidelines to be considered.</li> </ul>
<b>Pollutants</b> <ul style="list-style-type: none"> <li>• PM2.5</li> <li>• PM10</li> <li>• SO2</li> <li>• NOx</li> <li>• CO</li> <li>• HC</li> </ul>	At least 8-12 locations	As per National Ambient Air Quality Standards, CPCB Notification.	<ul style="list-style-type: none"> <li>• Sampling as per CPCB guidelines</li> <li>• Collection of AAQ data (except in monsoon season)</li> <li>• Locations of various stations for different parameters should be related to the characteristic properties</li> </ul>

<ul style="list-style-type: none"> <li>• Other parameters relevant to the project and topography of the area</li> </ul>		<p>of the parameters.</p> <ul style="list-style-type: none"> <li>• The monitoring stations shall be based on the NAAQM standards as per GSR 826(E) dated 16/11/2009 and take into account the predominant wind direction, population zone and sensitive receptors including reserved forests,</li> <li>• Raw data of all AAQ measurement for 12 weeks of all stations as</li> </ul>
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Attributes	Sampling		Remarks
	Network	Frequency	
			per frequency given in the NAAQM Notification of 16/11/2009 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.
<b>B. Noise</b>			
<ul style="list-style-type: none"> <li>• Hourly equivalent noise levels</li> </ul>	least 8-12 locations	per CPCB norms	
<b>C. Water</b>			
<b>Parameters for water quality</b>	samples for water quality should be collected and analyzed as per: <ul style="list-style-type: none"> <li>• IS: 2488 (Part 1-5) methods for sampling and testing of Industrial</li> </ul>		



<ul style="list-style-type: none"> <li>• pH, temp, turbidity, magnesium hardness, total alkalinity, chloride, sulphate, nitrate, fluoride, sodium, potassium, salinity</li> <li>• Total nitrogen, total phosphorus, DO, BOD, COD, Phenol</li> <li>• Heavy metals</li> <li>• Total coliforms, faecal coliforms</li> <li>• Phyto plankton</li> <li>• Zoo plankton</li> </ul>	<p>effluents</p> <ul style="list-style-type: none"> <li>• Standard methods for examination of water and wastewater analysis published by American Public Health Association.</li> </ul>		
<p><b>For River Bodies</b></p> <ul style="list-style-type: none"> <li>• Total Carbon</li> <li>• pH</li> <li>• Dissolved Oxygen</li> <li>• Biological Oxygen Demand</li> <li>• Free NH<sub>4</sub></li> <li>• Boron</li> <li>• Sodium Absorption Ratio</li> <li>• Electrical</li> </ul>	<ul style="list-style-type: none"> <li>• Surface water quality of the nearest River (60m upstream and downstream) and other surface water</li> </ul>	<ul style="list-style-type: none"> <li>• Yield of water sources to be measured during critical season</li> <li>• Standard methodology for collection of surface water (BIS standards)</li> </ul>	
<p><b>Attributes</b></p>	<p><b>Sampling</b></p>		<p><b>Remarks</b></p>
	<p><b>Network</b></p>	<p><b>Frequency</b></p>	
<p>Conductivity</p>	<p>Bodies</p>		

<p><b>For Ground Water</b></p>	<ul style="list-style-type: none"> <li>• Ground water monitoring data should be collected at minimum of 8 locations (from existing wells /tube wells/existing current records) from the study area and shall be included.</li> </ul>
<p><b>D. Traffic Study</b></p>	
<ul style="list-style-type: none"> <li>• Type of vehicles</li> <li>• Frequency of vehicles for transportation of materials</li> <li>• Additional traffic due to proposed project</li> <li>• Parking arrangement</li> </ul>	
<p><b>E. Land Environment</b></p>	
<p><b>Soil</b></p> <ul style="list-style-type: none"> <li>• Particle size distribution</li> <li>• Texture</li> <li>• pH</li> <li>• Electrical conductivity</li> <li>• Cation exchange capacity</li> <li>• Alkali metals</li> <li>• Sodium Absorption Ratio (SAR)</li> <li>• Permeability</li> <li>• Water holding</li> </ul>	<p>Soil samples be collected as per BIS specifications</p>

capacity <ul style="list-style-type: none"> <li>• Porosity</li> </ul>			
<b>Land use/Landscape</b> <ul style="list-style-type: none"> <li>• Location code</li> <li>• Total project area</li> <li>• Topography</li> <li>• Drainage (natural)</li> <li>• Cultivated, forest, plantations, water bodies, roads and settlements</li> </ul>			
<b>E. Biological Environment</b>			
Attributes	Sampling		Remarks
	Network	Frequency	
<b>Aquatic</b> <ul style="list-style-type: none"> <li>• Primary productivity</li> <li>• Aquatic weeds</li> <li>• Enumeration of phyto plankton, zoo plankton and benthos</li> <li>• Fisheries</li> <li>• Diversity indices</li> <li>• Trophic levels</li> <li>• Rare and endangered species</li> <li>• Marine Parks/ Sanctuaries/ closed areas /coastal</li> </ul>	<ul style="list-style-type: none"> <li>• 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. Indicator species which indicate ecological and environment degradation should be identified and included to clearly state whether the proposed project would result in to any adverse effect on any species.</li> <li>• Samples to collect from upstream and downstream of discharge point, nearby tributaries at downstream, and also from dug wells close to activity site.</li> <li>• For forest studies, direction of wind should be considered while selecting forests.</li> <li>• Secondary data to collect from Government offices, NGOs, published literature.</li> </ul>		

<p>regulation zone (CRZ)</p> <p><b>Terrestrial</b></p> <ul style="list-style-type: none"> <li>• Vegetation-species list, economic importance, forest produce, medicinal value</li> <li>• Importance value index (IVI) of trees</li> <li>• Fauna</li> <li>• Avi fauna</li> <li>• Rare and endangered species</li> <li>• Sanctuaries / National park / Biosphere reserve</li> <li>• Migratory routes</li> </ul>	
<p><b>F. socio-economic</b></p>	
<ul style="list-style-type: none"> <li>• Demographic structure</li> <li>• Infrastructure resource base</li> <li>• Economic resource base</li> <li>• Health status: Morbidity pattern</li> <li>• Cultural and aesthetic attributes</li> </ul>	<ul style="list-style-type: none"> <li>• Socio-economic survey is based on proportionate, stratified and random sampling method.</li> <li>• Primary data collection through questionnaire</li> <li>• Secondary data from census records, statistical hard books, topo sheets, health records and relevant official records available with Govt. Agencies</li> </ul>

Attributes	Sampling		Remarks
	Network	Frequency	
<ul style="list-style-type: none"> <li>• Education</li> </ul>			

iii. Interpretation of each environment attribute shall be enumerated and summarized as given below:

- Ambient air quality
- Ambient Noise quality
- Surface water quality
- Ground water quality
- Soil quality
- Biological Environment
- Land use
- Socio-economic environment

**E. Anticipated Environment Impacts and mitigation measures (In case of expansion, cumulative impact assessment shall be carried out)**

i. Identification of potential impacts in the form of a **matrix** for the construction and operation phase for all the environment components

Activity	Environment	Ecological	Socio-economic
Construction phase			
Operation phase			

ii. Impact on ambient air quality (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact)

a. Construction phase

b. Operation phase

- Details of stack emissions from the existing as well as proposed activity.
- Assessment of ground level concentration of pollutants from the stack emission based on AQIP Modelling The air quality contours shall be plotted on a location map showing the location of project site, habitation nearby, sensitive receptors, if any along with wind rose map for respective period

- Impact on ground level concentration, under normal, abnormal and emergency conditions. Measures to handle emergency situations in the event of uncontrolled release of emissions.
- iii. Impact on ambient noise quality (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact)
    - a. Construction phase
    - b. Operation phase
  - iv. Impact on traffic (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact)
    - a. Construction phase
    - b. Operation phase
  - v. Impact on soil quality (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact)
    - a. Construction phase
    - b. Operation phase
  - vi. Impact on land use (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact)
    - a. Construction phase
    - b. Operation phase
  - vii. Impact on surface water resource and quality (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact)
    - a. Construction phase
    - b. Operation phase
  - viii. Impact on ground water resource and quality (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact)
    - a. Construction phase
    - b. Operation phase
  - ix. Impact on terrestrial and aquatic habitat (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact)
    - a. Construction phase
    - b. Operation phase
  - x. Impact on socio-economic environment (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact)

- a. Construction phase
  - b. Operation phase
- xi. Impact on occupational health and safety (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact)
- a. Construction phase
  - b. Operation phase

**2. Analysis of Alternatives (Technology & Site)**

- i) No project scenario
- ii) Site alternative
- iii) Technical and social concerns
- iv) Conclusion

**3. Environmental Monitoring Program**

- i. Details of the Environment Management Cell
  - ii. Performance monitoring schedule for all pollution control devices shall be furnished.
  - iii. Corporate Environment Policy
- a. 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.
  - b. Does the Environment Policy prescribe for standard operating process / procedures to bring into focus any infringement / deviation / violation of the environment or forest norms / conditions? If so, it may be detailed in the EIA.
  - c. What is the hierarchical system or Administrative order of the company to deal with the environment issues and for ensuring compliance with the environment clearance conditions? Details of this system may be given.
  - d. Does the company have system of reporting of non-compliances / violations of environment 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

iv. Action plan for **post-project environment monitoring matrix**:

Activity	Aspect	Monitoring Parameter	Location	Frequency	Responsibility
Construction phase					

Operation phase					

#### 4. Additional Studies

- i. Public consultation details (Entire proceedings as separate annexure along with authenticated English Translation of Public Consultation proceedings).
- ii. Summary of issues raised during public consultation along with action plan to address the same as per MoEF&CC O.M. dated 30/09/2020

S	Physical activity and action plan		Year of implementation (Budget in INR)			Total Expenditure (Rs. in Crores)
	Name of the Activity	Physical Targets	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	

- iii. Risk assessment
  - Methodology
  - Hazard identification
  - Frequency analysis
  - Consequence analysis
  - Risk assessment outcome
- iv. Emergency response and preparedness plan

#### 5. Project Benefits

- i. Environment benefits
- ii. Social infrastructure
- iii. Employment and business opportunity
- iv. Other tangible benefits

#### 6. Environment Cost Benefit Analysis

- i. Net present value
- ii. Internal rate of return



- iii. Benefit cost ratio
- iv. Cost effectiveness analysis

**7. Environment Management Plan (Construction and Operation phase)**

- i. Air quality management plan
- ii. Noise quality management plan
- iii. Solid and hazardous waste management plan
- iv. Effluent management plan
- v. Storm water management plan
- vi. Rain water harvesting plan
- vii. Occupational health and safety management plan
- viii. Green belt development plan
- ix. Socio-economic management plan
- x. Wildlife conservation plan (In case of presence of schedule I species)
- xi. Total capital cost and recurring cost/annum for environment pollution control measures shall be included.

**8. Conclusion of the EIA study**

In addition to the above, 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.

**SPECIAL CONDITIONS-**

1. For Large ISPs, a 3-D view i.e. DEM (Digital Elevation Model) for the area in 10 km radius from the proposal site. MRL details of project site and RL of nearby sources of water shall be indicated.
2. Plan for the implementation of the recommendations made for the steel plants in the CREP guidelines.
3. Plan for solid wastes utilization
4. Plan for utilization of energy in off gases (coke oven, blast furnace)
5. System of coke quenching adopted with justification.
6. Details on environmentally sound technologies for recycling of hazardous materials, as per CPCB Guidelines, may be mentioned in case of handling scrap and other recycled materials.

7. Details on toxic metal content in the waste material and its composition and end use (particularly of slag).
8. Details on toxic content (TCLP), composition and end use of slag.
9. 100 % dolo char generated in the plant shall be used to generate power.
10. Fourth Hole fume extraction system shall be provided for SAF.WHR system shall be installed to recover sensible heat from flue gases of EAF. Provision for installation of jigging and briquetting plant to utilise the fines generated in the process.
11. No tailing pond is permitted for Iron ore slimes. Dewatering and filtration system shall be provided.
12. Emission/effluent norms as per G.S.R 894 (E) dated 4/12/2019.

## **2.0 Deliberations during 214<sup>th</sup> meeting of SEIAA held on 13.09.2022**

The case was considered by SEIAA in its 214<sup>th</sup> meeting held on 13.09.2022 which was attended by the following:

- (i) Mr. Mohit Kumar, General Manager, M/s Rosha Alloys Private Limited.
- (ii) Mrs. Jyoti Rani, EIA Coordinator, M/s Eco laboratories Pvt. Ltd.

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

To a query by SEIAA regarding the amount to be spent for amelioration of the environment in lieu of the CER activities, the project proponent informed that an amount of about Rs 10 lacs will be spent on these activities and the details will be submitted along with EIA report.

After detailed deliberations, SEIAA decided to accept the recommendations of SEAC and issue the Standard and Specific TORs as proposed by SEAC and additional TORs as under:

- (i) The project proponent shall submit four copies of draft EIA report (2 each for SEIAA and SEAC) before public hearing so that the said EIA reports can be studied thoroughly by SEIAA / SEAC. This will facilitate incorporation of the suggestions / inputs of SEIAA / SEAC as also timely addressal of their concerns in the final EIA report.
- (ii) The project proponent shall undertake activities for the amelioration of the environment in the vicinity of the Project in lieu of CER activities. An amount of Rs. 10 lacs will be provided for such activities and the detailed proposal of the same along with implementation timelines will be submitted along with EIA report at the time of obtaining EC. As decided in the 14<sup>th</sup> Joint meeting of SEIAA / SEAC held on 13.07.2022, the following activities may, *inter alia*, be undertaken in lieu of CER:
  - \* Development of Mini Forests (Nanak Bagichi), raising of Avenue Plantations and Plantations in public / community areas.
  - \* Rejuvenation of Village Ponds.

- \* Procurement and operation of solid waste composters.
- \* Development of Infrastructure for utilization of treated effluent of STPs.
- \* Provision of solar panels in the Government / Municipal / other public schools, hospitals and Dispensaries etc.
- \* Rainwater harvesting in Public Buildings.
- \* Alternatives to Single Use Plastic.
- \* Activities relating to amelioration of Air, Water and Soil pollution as prescribed in the District Environment Plan (DEP) in which gaps exist and which are not the statutory responsibility of Government Departments / Agencies.

In addition to the above, additional / alternate activities as proposed by the Project Proponent / their accredited consultants for amelioration of Air, Water and Soil pollution on the basis of field surveys can also be considered for approval by SEIAA / SEAC.

**Item No. 214.03: Application for amendment in Environmental Clearance under EIA Notification dated 14.09.2006 of Steel Manufacturing Unit namely "M/s Samana Concast" located at Village Tooran, Amloh Road, Mandi Gobindgarh, Distt. Fatehgarh Sahib, Punjab (Proposal No. SIA/PB/IND/269406/2022).**

The industry was granted Environmental Clearance for Expansion vide letter DECC/SEIAA/2020/1781 dated 29.07.2020 for Steel Manufacturing Unit by installation of two no. of induction furnaces of capacity 12 TPH at Village Tooran, Amloh Road, Mandi Gobindgarh, Distt. Fatehgarh Sahib, Punjab.

The industry informed that no rolling mill was proposed at the time of earlier Environment Clearance. However, the operation is not economically viable without downstream processing of billets/ingots. The industry has now proposed to install rolling mill for the manufacturing of flats, bars, rounds, square, hexa shape and section angle, channel, beam, HR Coil, ERW pipe, Steel tube, Strips, TMT, Joists etc.

The cost of the project has been increased from Rs. 8.71 Crore to Rs. 13.71 Crore. The industry has deposited processing fees amounting to Rs. 80,000/- vide NEFT No 0037493435 dated 06.02.2020, Rs.7200/- vide UTR no.- SBIN22060456045 and additional fees of Rs. 49,900/- submitted vide UTR no.- SBIN122112322504 dated 22.04.2022 for increase in the project cost, as checked & verified by supporting staff of SEIAA.

The industry has applied for amendment in the Environmental Clearance and submitted Form-4 along with copy of the earlier Environment Clearance granted to the project and compliance of the conditions imposed in the earlier Environment Clearance granted to the Project Proponent. As per the application, the proposal is as follows:

Sr. No.	Plan/Equipment/Facility	Existing	Proposed	After Amendment
1	Products	Steel Ingots, castings @ 100800 TPA	Steel Ingots/Billets, Flats, bars, Rounds & Square	Steel Ingots/Billets, Flats, Bars, Rounds & Square
2	Rolling Mill	Nil	1 No.	1 No.
3	Area	10323.23 sqm	Additional Area for plantation- 2630.45sqm	Existing unit area- 10323.23 sqm & Additional area 2630.45 sqm has been acquired to meet with statutory green belt area

				requirement of 33%
4	Project Cost	Rs. 8.71 Crore	Rs. 5 Crore	Rs. 13.71 Crore
5	Induction Furnace	2x12TPH	Nil	2x12TPH
6	Concast	1 No.	Nil	1 No.

#### **1.0 Deliberations during 220th meeting of SEAC held on 16.05.2022.**

The meeting was attended by the following:

- (i) Mr. Sushil Mittal, Partner, M/s Samana Concast.
- (ii) Sh. Sandeep Singh, Consultant, M/s. Chandigarh Pollution Testing Laboratory.

During meeting, the Project Proponent apprised the Committee that after the installation of the rolling mill, the green area available with the industry shall be reduced to 18.02% i.e from 3474 sqm (as stipulated in the earlier Environmental Clearance) to 1860 sqm. To compensate the reduction in green area, the Project Proponent proposed to develop green area in the land area of 1546 sqm located at a distance of 1.7 km from the industry. Therefore, the total green area to be developed shall be 3406 sqm which will enable the industry to meet with the prescribed condition of 33% green area laid down by MoEF&CC vide its office circular no. F. No. 22-34/2018-IA-III dated 09.08.2018.

The Committee asked the Project Proponent to present the compliance pertaining to development of green area in the land area of 3474 sqm based on which the earlier Environmental Clearance was granted to the industry. The Project Proponent shown some photographs of the saplings and under grown trees to the Committee. The Committee was not satisfied with the progress of plantation developed by the industry and observed that the industry does not seem to be serious for complying with the condition for developing 33% of green area. The Committee asked the Project Proponent to make adequate plantation in the 18% green area proposed within the industry by planting more than 6 ft height trees. The Project Proponent agreed to the same and assured the Committee to provide adequate plantation within the industry and shall submit the requisite compliance in this regard.

The Committee further perused the layout plan of the industry and observed that the space dedicated to the rolling mill by reducing the green area is not clear. The Committee asked the Project Proponent to submit the super imposed layout plan by earmarking the total green area earlier available & to be developed within the industry and green area proposed to be developed after earmarking the land area for the installation of rolling mill.

The Committee perused the compliance of the conditions imposed in the earlier Environmental Clearance granted to the industry and observed that the industry has mentioned "Not Applicable" against one of the conditions mentioning that the industry 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 Committee asked the Project Proponent to prepare and submit the said plan. The Project Proponent agreed to the same and assured the Committee that he will submit the site-specific conservation plan & Wildlife Management Plan.

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

1. The Project Proponent shall plant adequate number of trees of height 6ft each in the land area proposed to be developed as green area within the industry. The Project Proponent shall submit the photographs of the plantation done within the industry.
2. The Project Proponent shall submit the super imposed layout plan by earmarking the total green area earlier available & to be developed within the industry and green area proposed to be developed after earmarking the land area for the installation of rolling mill.
3. The Project Proponent shall prepare Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden, in compliance to the EC conditions.

## **2.0 Deliberations during 227th meeting of SEAC held on 22.08.2022.**

The meeting was attended by the following:

- (i) Mr. Sushil Mittal, Partner, M/s Samana Concast.
- (ii) Sh. Sital Singh, EIA Coordinator, M/s. Chandigarh Pollution Testing Laboratory.

SEAC allowed the Environmental Consultant of the project proponent to present the reply to the observations made by it in the meeting of SEAC held on 16.05.2022. Accordingly, the Environmental Consultant presented the reply as under:

Sr. No.	Observation	Reply
1.	The project proponent shall plant adequate number of trees of height 6ft each in the land area proposed to be developed as green area within the industry. The project proponent shall submit photographs of the plantation done within the industry.	<ul style="list-style-type: none"> <li>➤ The industry has planted 280 no. of trees, having height 6ft each, in an area of 1860sqm within the industry premises. Photographs showing this plantation submitted.</li> <li>➤ The industry has another stretch of land measuring 2630 sqm which is located at a distance of about 250m from the project site. This stretch is also owned by the industry. In this stretch, about 340 no. of</li> </ul>

		<p>trees having height 6ft each have been planted. Photographs showing this plantation submitted.</p> <p>➤ Therefore, total land area under plantation is 4490sqm. In case, the project area and area of stretch outside the premises of the unit are added, it comes out be 12950sqm and 33% of this area comes out be 4273.5sqm. Since, we have made plantation in an area of 4490sqm which is more than 33% of above calculated area.</p> <p>➤ The species of plantation made by the project proponent are Silver oak, Neem, Arjun, Chakrassia, Jamun, Gulmohar, Amaltas, Kank Champa, Champa Alba, Pilkan, Aaroo, Mango, Nashpati, Guava, Kinnow, Cassia Glaucia, Cassia Javanica etc.</p>
2.	The project proponent shall submit the superimposed layout by earmarking the total green area earlier available & to be developed within the industry and green area proposed to be developed after earmarking the land area for installation of rolling mill.	Superimposed plan submitted.
3.	The project proponent shall prepare Site-specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden, in compliance to the EC conditions.	<p>In the Environmental Clearance granted to our company, in the Statutory compliance condition no. (iii), it has been mentioned as under: -</p> <p><i>(iii) The project proponent shall prepare Site-specific Conservation Plan &amp; Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-specific Conservations Plan/Wildlife management plan shall be implemented in consultation with the State Forest Department. The implementation</i></p>

		<p><i>report shall be furnished along with the six-monthly compliance report. (in case of presence of schedule-I species in the study area)</i></p> <p>The above said condition itself indicated that the site-specific conservation plan and wildlife management plan is to be prepared and got approved from the competent authority in case presence of schedule-I species in the study area is found. As per EIA report, on the basis of EC was granted to the unit, no species of schedule-I is found in the study area. Therefore, there is no need to prepare site specific conservation plan and wildlife management plan in our case. Perhaps, the above-mentioned condition has been imposed in the earlier granted EC as a general condition.</p> <p>It is further mentioned that the nearest wildlife sanctuary (Bir Bhadson) is located at distance of 13Km from the project site.</p>
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The project proponent informed that the total land area of the project is 10323.23 sqm. Further, he informed the Committee that after installation of rolling mill, the green area available with the industry shall be reduced to 18.02% i.e from 3474 sqm (based on which the earlier Environmental Clearance was granted) to 1860 sqm. To compensate the reduction in green area, the Project Proponent proposed to develop green area in the land area of 2630 sqm (2 Bigha 15 Biswa) located at a distance of 1249.92 m from the industry. The Proponent informed that the land belongs to him and submitted an undertaking that the additional land of 2630 sqm will be used for green development. No other activity will be done in my way. Therefore, the total green area to be developed shall be 4490 sqm which will enable the industry to meet with the prescribed condition of 33% green area laid down by MoEF&CC vide its office circular no. F. No. 22-34/2018-IA-III dated 09.08.2018. Further, the industry has planted 280 No. trees, having height of 6 feet each, in an area of 1860 sqm within the industry premises and 340 No. of trees having height 6 feet each in an area of 2630 sqm outside the industry. The Photographs of the plants were shown to the Committee and a copy of the photographs was provided along with the reply.

The industry also informed in their reply that as per EIA report, no species of Schedule-I was found in the study area and therefore there is no need to prepare and submit Sites Specific



Conservation Plan and Wildlife Management Plan. The statement of the Proponent was also authenticated by their environmental consultant.

During appraisal, SEAC observed that in the EIA report submitted by the project proponent, some species are covered under Schedule-I of Wild Life Protection Act. Thus, the reply submitted by the project proponent was found to be in variance with the EIA study report. The project proponent was advised to clarify the same. Further, the project proponent has submitted an undertaking for raising of green area outside the industry and no other activity will be done on this land. The project proponent was asked to submit an affidavit in this regard that the outside land proposed to be developed for raising green area shall not be used for any other purposes throughout the life cycle of the project and further no third-party interest shall be created on this land.

After detailed deliberations, SEAC decided to defer the case till the receipt of reply of the project proponent on the above said observations.

The reply of the above said observations has been submitted by the industry through online Parivesh Portal.

#### **Deliberations during 228th meeting of SEAC held on 05.09.2022.**

The meeting was attended by the following:

- (i) Mr. Sushil Mittal, Partner, M/s Samana Concast.
- (ii) Sh. Sital Singh, Environmental Consultant, M/s. Chandigarh Pollution Testing Laboratory.
- (iii) Sh. Sandeep Singh, Consultant, M/s. Chandigarh Pollution Testing Laboratory.

The Project Proponent has submitted an affidavit that the additional land of 2300 sqm has been acquired for green belt development at distance of 1250 m and 13340 no. of trees have been planted. Further, that this land shall not be used for any other purposes throughout the life cycle of the project and further no third-party interest shall be created on this land.

During meeting, the Environmental Consultant of the industry submitted an undertaking to the effect that none of the species as given in the EIA report is listed in the Schedule-I of the Wildlife (Protection) Act, 1972. SEAC took a copy of the same on record. The Committee was satisfied with the reply submitted by the industry. After deliberations, SEAC decided to recommend the case to SEIAA for amendment in Environmental Clearance issued vide letter no. DECC/SEIAA/2020/1781 dated 29.07.2020.

#### **2.0 Deliberations during 214<sup>th</sup> meeting of SEIAA held on 13.09.2022**

The case was considered by SEIAA in its 214<sup>th</sup> meeting held on 13.09.2022 which was attended by the following:

- i) Mr. Sushil Mittal, Partner, M/s Samana Concast.
- ii) Sh. Sital Singh, Environmental Consultant, M/s. Chandigarh Pollution Testing Laboratory.

iii) Sh. Sandeep Singh and Er. S.S. Matharu, Consultant, M/s. Chandigarh Pollution Testing Laboratory.

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

To a query of SEIA, the project proponent informed that earlier the total project area was 10323.3 sqm and the green area was 3474.30 sqm which was 33% of the total project area. After installation of rolling mill, the green area will reduce to 1860 sqm. To compensate this decrease in the green area the project proponent has identified additional land to the tune of 2300 sqm at a distance of about 1250 m distance from the project site which will be developed as green area. After addition of new land, the total green area requirement of 33% will be met with. To another query by SEIAA regarding different distances mentioned in the application in respect of the location of the additional green area from the main project site, project proponent informed that the correct distance was 1250 metres.

SEIAA further perused the six-monthly compliance report submitted by the project proponent and was satisfied with the same.

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

<b>Sr. No.</b>	<b>Plan/Equipment/Facility</b>	<b>Existing</b>	<b>Proposed</b>	<b>After Amendment</b>
1	Products	Steel Ingots, castings @ 100800 TPA	Steel Ingots/Billets, Flats, bars, Rounds & Square	Steel Ingots/Billets, Flats, Bars, Rounds & Square
2	Rolling Mill	Nil	1 No.	1 No.
3	Area	10323.23 sqm	Additional Area for plantation- 2300 sqm	Existing unit area- 10323.23 sqm & Additional area 2300 sqm has been acquired to meet with statutory green belt area

				requirement of 33%
4	Project Cost	Rs. 8.71 Crore	Rs. 5 Crore	Rs. 13.71 Crore
5	Induction Furnace	2x12TPH	Nil	2x12TPH
6	Concast	1 No.	Nil	1 No.

**Item No. 214.04: Application for amendment in Environmental Clearance under EIA Notification dated 14.09.2006 of Steel Manufacturing Unit namely "M/s Shri Ambey Steel Industries" located at Peer Gajju Shah Road, Village Alour, Tehsil Khanna, District Ludhiana, Punjab (Proposal No. SIA/PB/IND/280922/2022).**

The industry was granted Environmental Clearance for Expansion vide letter EC22B008PB112253 dated 12.05.2022 for production capacity of 1,89,400 TPA of MS Billets/Concast Billets/Flats/HR Coil/TMT Bars/Pipes with 3 Induction Furnace 2X15 TPH and 1X7 TPH, Rolling Mill and Pipe Plant at Peer Gajju Shah Road, Village Alour, Tehsil Khanna, District Ludhiana, Punjab.

The industry has applied for amendment in Environmental Clearance under EIA Notification dated 14.09.2006 of Steel Manufacturing Unit namely "M/s Shri Ambey Steel Industries" for installation of 1 Induction Furnace of capacity 30 TPH in place of the earlier proposed 2 Induction Furnaces of capacity 15 TPH each without change in other machinery. The production capacity, project area and proposed cost will also remain the same.

The industry has submitted Form-4 along with copy of the earlier Environment Clearance granted to the project and self-certified compliance of the conditions imposed in the earlier Environment Clearance granted to the industry. The industry has also submitted EIA Addendum Report wherein amendment pertaining to change of configuration by installation of 1 Induction Furnace of 30 TPH in place of earlier proposed 2 Induction Furnaces of capacity 15 TPH each as per Environmental Clearance granted to the industry has been sought. A copy of the EIA Addendum Report may be perused by accessing the Parivesh Portal.

**1.0 Deliberations during 228<sup>th</sup> meeting of SEAC held on 05.09.2022.**

The meeting was attended by the following:

- (i) Mr. Puneet Jaidka, Partner, M/s Shri Ambey Steel Industries.
- (ii) Mr. Sandeep Garg, EIA Coordinator, M/s Eco laboratories Pvt Ltd.
- (iii) Mrs. Jyoti Rani, EIA Coordinator, M/s Eco laboratories Pvt. Ltd.

SEAC perused the application proposal of the industry and was satisfied with the presentation and reply given by the industry. After deliberations, SEAC decided to recommend the case to SEIAA for amendment in Environmental Clearance issued vide letter no. EC22B008PB112253 dated 12.05.2022.

**2.0 Deliberations during 214<sup>th</sup> meeting of SEIAA held on 13.09.2022**

The case was considered by SEIAA in its 214<sup>th</sup> meeting held on 13.09.2022 which was attended by the following:

- (i) Mr. Puneet Jaidka, Partner, M/s Shri Ambey Steel Industries.
- (ii) Mr. Charanjit Singh, EIA Coordinator, M/s Eco laboratories Pvt Ltd.
- (iii) Mrs. Jyoti Rani, EIA Coordinator, M/s Eco laboratories Pvt. Ltd.

SEIAA observed that the project proponent has sought to install 1 no. Induction Furnace of capacity 30 TPH in place of the earlier proposed 2 Induction Furnaces of capacity 15 TPH each, without any change in other machinery. The production capacity, project area and proposed cost will also remain same. Therefore, the proposed amendment will not result in any increase in the environmental load of the project.

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

<b>Sr. No.</b>	<b>Equipment's/ Machinery</b>	<b>As per EC issued vide No. EC22B008PB112253 dated 12.05.2022</b>	<b>After Amendment</b>
1.	Induction Furnace	3 ((2 × 15 TPH and 1 × 7 TPH))	1X30TPH, 1X7TPH
2.	Rolling Mill	1	1
3.	Pipe plant	1	1

**Item No.214.05: Application for Environmental Clearance of new Steel Manufacturing Unit Namely M/s Antarctic Industries Ltd. (Unit-II) in the revenue estate of Village Barmalipur, Tehsil Payal, District Ludhiana, Punjab (Proposal No. SIA/PB/IND/82326/2021)**

The industry is a new steel manufacturing unit and has been issued Terms of Reference vide SEIAA letter no. SEIAA/MS/2021/4011 dated 04.05.2021 for manufacturing of 4,72,500 TPA of Alloys/Non-Alloys Steel billets/Round, Coil, Wire Rod, TMT Bars and Flats by installing 4 Induction Furnaces (2x15 TPH each and 2x30 TPH each), LRF of 20 TPH, Casting Machine & Rolling Mill of 60 TPH.

The industry has submitted application proposal along with Final EIA report after incorporating the compliance of Terms of References and Compliance of Public Hearing decisions conducted on 31.05.2022. The Project is covered under Activity 3(a) & Category 'B1' as per EIA Notification dated 14.09.2006.

The industry has submitted the Form I and other additional documents through Parivesh portal. The industry has also deposited Rs. 2,92,500/- vide UTR No. PUNGH2222053224 dated 10.08.2022, as checked & verified by the supporting staff SEIAA.

Punjab Pollution Control Board vide letter no. 2781 dated 04.07.2022 has sent the latest construction status report with details as under:

*"In this regard the site of the industry was visited by the officer of the Board on 31/05/2022 and the reported that :-*

- 1. The site of the project is Located in the revenue estate of Vill. Barmalipur , Tehsil Payal, Distt. Ludhiana, Punjab at right side from Ludhiana to Kahan GT Road having co-ordinates 30.7696218, 76.0721197. No construction activity has been started at site and no proposed machinery has been installed/ arrived at site.*
- 2. At a distance of around 110 mtr from the boundary of proposed site, there is one school namely M/s Anand Ishar Public High School.*
- 3. There is one gurdwara Dhan Baba Kala Mehar at a distance of around 450 mtr from the boundary of proposed site.*
- 4. Mata Ganga College for girls is at a distance of around 1.980 km from the proposed site gurudwara Sh. Manji Sahib is at a distance of around 2 km from the proposed site. Sarai/Killa of Lakshari Khan is at a distance of around 2.20km from the boundary of proposed site.*
- 5. There is no residential area within 500 mtr form the Pheri Fheri of proposed site. The industrial unit M/s Sporting processor vill. Barmalipur is just adjoining to the proposes site.*
- 6. The industry has proposed to install the side hood and pulse jet bag house as APCD as per design of PSCST , Chandigarh with its proposed induction furnaces two of capacity 15 TPH and two of capacity 30 TPH. The industry has also proposed to install the alkali*

scrubber as APCD with its rolling mill. The APCD proposed are principally adequate. The industry has proposed to install STP of capacity 30 KLD for the treatment of its domestic sewage.

7. The industry vide its letter has submitted the land use certificate issued by the DTP, Ludhiana vide letter no. 1465 dated 16.06.2022 in which it is mentioned that the said site as per the approved Master Plan Khanna (2010-2031) falls in the Industrial Zone and all the industrial activities are allowed in this zone. Hence as per DTP, this land is reserved for industrial zone as such it is suitable for the proposed establishment of the unit, however the industry is required to take the adequate safety measures as one existing school is near to it.”

#### **Deliberations during 228<sup>th</sup> meeting of SEAC held on 05.09.2022.**

The meeting was attended by the following:

- (i) Kartikey Jain, Director, M/s Antarctic Industries Limited.
- (ii) Sh. Sital Singh, Environmental Consultant, M/s. Chandigarh Pollution Testing Laboratory.
- (iii) Sh. Sandeep Singh, Consultant, M/s. Chandigarh Pollution Testing Laboratory.

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

<b>Sr. No.</b>	<b>Description</b>	<b>Details</b>
<b>1</b>	<b>Basic Details</b>	
1.1	Name of Industry & Project Proponent:	M/s Antarctic Industries Limited (Unit-II)
1.2	Proposal:	SIA/PB/IND/802326/2021
1.3	Location of Industry:	G.T. road, Village- Barmalipur Tehsil Payal District- Ludhiana, Punjab
1.4	Details of Land area & Built up area:	72843.4 sqm
1.5	Category under EIA notification dated 14.09.2006	B1
1.6	Cost of the project	Rs. 39 Crores
1.7	Compliance of Public Hearing Proceedings	Compliance of issues raised are attached as <b>Annexure-I.</b>
<b>2.</b>	<b>Site Suitability Characteristics</b>	
2.1	Whether site of the industry is suitable as per the provisions of Master Plan:	The project falls in industrial Zone as per master plan of Ludhiana.

2.2	Whether supporting document submitted in favour of statement at 2.1, details thereof: (CLU/building plan approval status)	The industry has obtained Land Use Classification letter issued by DTP, Ludhiana vide no. 1465 dated 16.06.2022, wherein, it has been mentioned that the site of the industry falls in Industrial Zone as per the notified Master Plan, Khanna.		
<b>3</b>	<b>Forest, Wildlife and Green Area</b>			
3.1	Whether the industry required clearance under the provisions of Forest Conservation Act 1980 or not:	No Forest land is involved. An undertaking in this regard submitted.  Further, an undertaking to the effect that the no species under schedule-I was found during the EIA study.		
3.2	Whether the industry required clearance under the provisions of Punjab Land Preservation Act (PLPA) 1900:	No, the industry does not require the clearance under the provisions of Punjab Land Preservation Act (PLPA) 1900. Undertaking for the same submitted.		
3.3	Whether industry required clearance under the provisions of Wildlife Protection Act 1972 or not:	No wildlife sanctuary is involved in the vicinity or study area of the project site. Thus, the industry does not require clearance under the provisions of Wildlife Protection Act 1972		
3.4	Distance of the industry from the Critically Polluted Area.	Ludhiana- 20km. (Approx)		
3.5	Whether the industry falls within the influence of Eco-Sensitive Zone or not. (Specify the distance from the nearest Eco sensitive zone)	No, the industry does not fall within the influence of Eco-sensitive zone.		
3.6	Green area requirement and proposed No. of trees:	33% of total area i.e 24038 sqm is kept for green belt development. Proposed number of trees- 3604		
<b>4.</b>	<b>Configuration &amp; Population</b>			
4.1	Proposal & Configuration	S.No.	Description	Proposed
		1.	Induction Furnace	2X15TPH and 2X30 TPH
		2.	Continuous Concast Machine	01 No.
		3.	Rolling Mill	01 No. (60 Ton Per Hour)
		4.	LRF	1X20 TPH



4.2	Population details	Employment- 615
<b>5</b>	<b>Water</b>	
5.1	Total fresh water requirement:	Total Water requirement- 106 KLD Domestic- 28 KLD Cooling (makeup water) – 78 KLD
5.2	Source:	Existing Tubewell
5.3	Whether Permission obtained for abstraction/supply of the fresh water from the Competent Authority (Y/N) <i>Details thereof</i>	Application for permission for abstraction of 106 KLD of ground water is filed with PWRDA.
5.4	Total water requirement for domestic purpose:	28 KLD
5.4.1	<i>Total wastewater generation:</i>	22.4 KLD
5.4.2	<i>Treatment methodology for domestic wastewater: (STP capacity, technology &amp; components)</i>	STP will be installed for treatment of the domestic effluent.
5.5	Total water requirement for industrial purpose:	78 KLD
5.5.1	<i>Total effluent generation:</i>	No Industrial effluent will be generated
5.5.2	<i>Treatment methodology for industrial wastewater: (ETP capacity, technology &amp; components)</i>	No treatment proposed as no effluent will be generated.
5.6	Details of utilization of treated wastewater into green area in summer, winter and rainy season:	Treated wastewater from STP will be used for plantation within the industrial premises. Summer- 28.4 KLD Winter- 28.4 KLD Rainy- 12 KLD
5.7	Details of utilization of treated wastewater for cooling purpose:	Treated wastewater from STP will be used for cooling purpose within the industrial premises. Summer- Nil KLD Winter- Nil KLD Rainy- 16.4 KLD
5.8	Rain water harvesting proposal:	<b>Outside:</b> The industrial unit has adopted one village pond for rain water harvesting at Village Barmalipur. The total recharge potential will be 1,57,500. NOC obtained from Sarpanch submitted.

		<b>Inside:</b> - A tank of 105 KLD is proposed for inside rain water harvesting using roof top of the project site.		
6	<b>Air</b>			
6.1	Details of Air Polluting machinery:			
	<b>Existing</b>			
	<b>S.No.</b>	<b>Source</b>	<b>Capacity</b>	<b>APCD</b>
	1.	Induction Furnace	02X15 TPH and 02X30 TPH	Side Suction hood, Pulse jet bag filter with offline technology having efficiency more than 99.9%.
	2.	Rolling Mill	01 no. (60 Ton Per Hour)	Alkali Scrubber
6.2	Measures to be adopted to contain particulate emission/Air Pollution		APCDs like Side suction hood, pulse jet bag filter with offline technology and alkali scrubber will be installed.	
7	<b>Waste Management</b>			
7.1	Slag generation & its management		About 40.5 TPD of slag will be generated and the same will be sold to M/s PD Products. A copy of agreement executed between M/s PD Products and M/s Antarctic Industries (Unit-II) Limited for collecting 40.50 TPD slag from the industry submitted.	
7.2	APCD dust generation & its management		About 3.5 TPD of APCD dust will be generated and same will be sent to M/s Madhav KRG Limited for final disposal. A copy of agreement executed between M/s Madhav KRG Limited and M/s Antarctic Industries Limited Unit-II submitted for lifting 3.5 TPD of Hazardous Waste.	
7.3	Hazardous Waste generation & its management		About 3.5 TPD of APCD dust will be generated and same will be sent to M/s Madhav KRG Limited for final disposal	
8	<b>Energy Saving &amp; EMP</b>			
8.1	Power Consumption:		40MW	
8.2	Energy saving measures:		LEDs will be used.	
8.3	Details of activities proposed under Environment Management Plan:		submitted	
8.4	<b>CER activities details:</b>		Submitted	

**Annexure-1**

Sr. No.	Name & address of the person	Detail of query/statement/information/clarification sought by the person at present	Reply of the query/statement/information/clarification given by the project proponent	Action Taken
1.	Sh. Gurinder Singh S/o Sukhdev Singh, Vill. - Barmalipur, Ludhiana	<p>1. There is one school near to this project, Gurudwara Manji Sahib and Gurudwara Kala Mehal within 5 Km of this project, what are the parameters for the same.</p> <p>2. There is one Saranh/Kila within 5 Km of this project, what are the parameters for the same.</p> <p>3. The ground water of village. Barmalipur is very bad, however</p>	<p>1. Environmental Consultant informed that these religious places does not come in list of notified religious places by the Govt., however till project proponent will adopt proper safe guard.</p> <p>2.Environmental Consultant informed that this Saranh/Kila does not come in the list of notified heritage places, still the verification will be done in this regard.</p>	<p>1. None of the places named by the participants has been listed as Archeological Important place by Govt of India and the state government. However, the project proponent shall monitor the air quality within and project boundary as per periodically in EC/Consent conditions during the construction/operation of plant. In addition, any social service requested by the villages will be provided to</p>

		<p>same is reported better as per your report. Please inform when and with whom, the ground water samples have been</p>		<p>these religious places.</p>
		<p>collected. The person did not raised any objection on the establishment of this project, however raised the objection on the ground water sampling reports requested for re-monitoring of ground water sample.</p>	<p>3. Environmental Consultant informed that in the month of Oct-Nov, 2021, within the 5 Km of the project total ground samples were collected from the 8 different locations, which were found satisfactory. These points were selected based on hydrology of water and on the base of filed survey. The sampling of these points were collected by the filed staff of consultant lab along-with representative of the village. The Environmental consultant further informed that no trade effluent</p>	<p>2. The Ground water sampling was done as per the schedule submitted to SEAC and no metallic and biological contamination was found in the ground water samples. No trade effluent will be generated from the facility. However, Ground water monitoring within the premises and Barmalipur village will be done once in six months after the grant of EC.</p>

			will generated from the present project hence it will not impact ground water.	
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The Committee perused the EMP and observed that the recurring cost proposed for APCD is 20 lacs, which is on lower side. The Committee asked the industry to submit the revised EMP after incorporating the revised cost for APCD. The industry submitted revised EMP after mentioning recurring cost of APCD as 160 lacs with details as under:

Sr. No.	Title	Capital Cost Rs. Lakh	Recurring Cost Rs. Lakh
1	Pollution Control during construction stage	--	3.0
2	Air Pollution Control (Installation of APCD)	300.0	160
3	Water Pollution Control (Installation of STP @ 30 KLD)	30	5.0
4	Green Belt development	36.04	36.04 (for 3 years)
5	Noise Pollution Control	3.0	--
5	Solid/ Hazardous Waste Management	25.0	5.0
6	Environment Monitoring and Management	5.0	0.50
7	Occupational Health, Safety and Risk Management	10.0	1.0
8	RWH	10.0	0.50
9	CER Activities	39.0	-
9	Miscellaneous	3.0	---
	<b>TOTAL</b>	<b>461.04 lakh</b>	<b>211.04 Lakh</b>

The Committee further asked the industry to install variable frequency drive with Air Pollution Control Devices and also use energy efficient motors. In this regard, the industry apprised the Committee that all the electric motors including furnace of latest technology with minimum consumption of electricity will be installed. Further, all Air Pollution Control Device motors will be fitted with VFD for judicious use of electricity. The Committee was satisfied with the reply given by the industry.

The Environmental Consultant of the industry submitted an undertaking, counter signed by the Project Proponent, to the effect that none of the species mentioned in Schedule-I of Wildlife (Protection) Act 1972 were found during the EIA study carried out for the project. The Committee took a copy of same on record.

The industry apprised the Committee that Rs. 39 lacs shall be spent on CER activities with details as under:

The Committee was satisfied with the presentation given by the industry and after deliberations, it was 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 manufacturing of 4,72,500 TPA of Alloys/Non-Alloys Steel

Sr. No.	CER Activities	Description	Capital cost (Rs. in Lakhs)	Recurring Cost (Rs. in Lakhs)
1.	Rejuvenation of village Pond Barmalipur	<b>Area of Village pond-</b> 3.7 acres	24.0	3.0
2.	Plantation in village- Barmalipur	1000m along road both sides Total no. of trees - 300	4.0	4.0 for 3 years
3.	Plantation around the periphery of village pond Barmalipur	Total no. of trees- 200 trees	2.0	2.0 for 3 years
<b>Total</b>			<b>39.0</b>	

billets/Round, Coil, Wire Rod, TMT Bars and Flats by installing 4 Induction Furnaces (2x15 TPH each and 2x30 TPH each), LRF of 20 TPH, Casting Machine & Rolling Mill of 60 TPH at **Village Barmalipur, Tehsil Payal, District Ludhiana, Punjab** subject to the following special condition and standard conditions as under: -

**Special Condition:**

- i) The industry shall install online continuous air emission monitoring system, at the inlet as well as the outlet of each APCD, for monitoring the 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 31<sup>st</sup> March, 2012 (applicable to IF/EAF) as amended from time to time; S.O. 3305 (E) dated 7<sup>th</sup> 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<sub>10</sub> and PM<sub>2.5</sub> in reference to PM emission, and SO<sub>2</sub> and NO<sub>x</sub> in reference to SO<sub>2</sub> and NO<sub>x</sub> emissions) within and outside the plant area (at least at four locations one within and three outside the plant area at an angle of 120° each), covering upwind and downwind directions.

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

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

- i. The project proponent shall monitor regularly ground water quality at least twice a year (pre and post-monsoon) at sufficient numbers of piezometers/ sampling wells in the plant and adjacent areas through labs recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories.
- ii. Garland drains and collection pits shall be provided for each stock pile to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run off.
- iii. The project proponent shall carryout rainwater harvesting to the maximum possible extent. For this, 1 no. of pond at Village Barmalipur, Tehsil Payal, District Ludhiana, Punjab having recharge potential of volume @ 78,750 m<sup>3</sup>/Year shall be adopted to recharge the ground water. As an additional safety measure, the stream carrying waste water of the village shall be diverted in one corner of Phytoid plants trench (designed based on the technology developed by CSIR-NEERI's) divided into different parts, the overflow of each chamber shall be allowed to enter into another chamber



which will ultimately lead to the purification of water and collected into the pond to avoid any contamination of ground water aquifer. Pond water will percolate through natural strata (without injection) to augment the ground water and remaining water shall be used for irrigation purposes by pumping method in the nearby fields.

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

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

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

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

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

#### **VI. Waste management**

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

#### **VII. Green Belt**

- i. Green belt shall be developed in an area of 24038 Sqm with native tree species in accordance with SEIAA guidelines. Total 3604 tall saplings (minimum 6 feet height) of

indigenous species such as Neem, Drek, Kusum, Kadam, Banyan, Peepal, Amaltas, Arjun, Chakarasia etc will be planted.

#### **VIII. Public hearing and Human health issues**

- i. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
- ii. The project proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms of Factory Act.
- iii. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
- iv. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
- v. The project proponent shall carry out the activities apart from CER activities and spent an amount as commuted during the public hearing as per the public hearing action plan.

#### **IX. Environment Management Plan**

- i. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental/ forest/ wildlife norms/conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions to all / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
- ii. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of Senior Executive, who will directly report to the head of the organization.
- iii. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and will not be diverted for any other purpose. The project proponent shall spend a minimum amount of Rs 461.04 Lakhs towards the capital cost and Rs 211.04 Lakhs/annum towards recurring cost including the environmental monitoring cost for the implementation of EMP as proposed in EMP plan as under:

<b>Sr. No.</b>	<b>Title</b>	<b>Capital Cost Rs. Lakh</b>	<b>Recurring Cost Rs. Lakh</b>
1	Pollution Control during construction stage	--	3.0

2	Air Pollution Control (Installation of APCD)	300.0	160
3	Water Pollution Control (Installation of STP @ 30 KLD)	30	5.0
4	Green Belt development	36.04	36.04 (for 3 years)
5	Noise Pollution Control	3.0	--
5	Solid/ Hazardous Waste Management	25.0	5.0
6	Environment Monitoring and Management	5.0	0.50
7	Occupational Health, Safety and Risk Management	10.0	1.0
8	RWH	10.0	0.50
9	CER Activities	39.0	-
9	Miscellaneous	3.0	---
	<b>TOTAL</b>	<b>461.04 lakh</b>	<b>211.04 Lakh</b>

**CER Activities:**

Sr.No.	CER Activities	Description	Capital cost (Rs. in Lakhs)	Recurring Cost (Rs. in Lakhs)
1.	Rejuvenation of village Pond Barmalipur	<b>Area of Village pond-</b> 3.7 acres	24.0	3.0
2.	Plantation in village- Barmalipur	1000m along road both sides Total no. of trees - 300	4.0	4.0 for 3 years
3.	Plantation around the periphery of village pond Barmalipur	Total no. of trees- 200 trees	2.0	2.0 for 3 years
<b>Total</b>			<b>39.0</b>	

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

**X. Validity**

- i. This environmental clearance will be valid for a period of ten 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<sub>10</sub>, SO<sub>2</sub>, NO<sub>x</sub> (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.
- v. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the Ministry of Environment, Forest and Climate Change at environment clearance portal.
- vi. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
- vii. The project proponent shall inform the Regional Office of the Ministry and PPCB, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
- viii. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
- ix. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the SEAC and SEIAA.
- x. No further expansion or modifications in the project shall be carried out other than those permitted in this EC without prior approval of SEIAA. In case of deviation or alterations in the project proposal from those submitted to the Ministry/SEIAA for clearance, a fresh reference shall be made to the Ministry/SEIAA, as applicable, to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
- xi. The Regional Office, MoEF&CC, Chandigarh, Punjab Pollution Control Board and SEIAA/ SEAC members nominated for the purpose shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer(s) entrusted with this monitoring by furnishing the requisite data/information/monitoring reports.

**XII. Additional Conditions:**

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

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

## **2.0 Deliberations during 214<sup>th</sup> meeting of SEIAA held on 13.09.2022**

The case was considered by SEIAA in its 214<sup>th</sup> meeting held on 13.09.2022 which was attended by the following:

- i) Sh. Kartikey Jain, Director, M/s Antarctic Industries Ltd. (Unit-II).
- ii) Sh. Sital Singh, Environmental Consultant, M/s. Chandigarh Pollution Testing Laboratory.
- iii) Sh. Sandeep Singh, and Er. S.S. Matharu, Consultant, M/s. Chandigarh Pollution Testing Laboratory.

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.

SEIAA observed that during the public hearing the issue of poor ground water quality of the area in contrast to the better water quality reported in the draft EIA report, was raised by one of the participants. To this query, the project proponent informed that they have once again tested the ground water in village Barmalipur on 07.09.2022 by taking sample in presence of village namardar and as per the test reports, all parameters of the ground water samples are within the permissible limits. The test reports were taken on record by the SEIAA.

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 and thorough analysis of the EIA report and likely environmental impact of the project, SEIAA decided to accept the recommendations of SEAC and grant Environmental Clearance for establishment of new Steel Manufacturing Unit Namely M/s Antarctic Industries Ltd. (Unit-II) for manufacturing of 4,72,500 TPA of Alloys/Non-Alloys Steel billets/Round, Coil, Wire Rod, TMT Bars and Flats by installing 4 Induction Furnaces (2x15 TPH each and 2x30 TPH each), LRF of 20 TPH, Casting Machine & Rolling Mill of 60 TPH located in the revenue estate of Village Barmalipur, Tehsil Payal, District Ludhiana, Punjab 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.

**Item No. 214.06: Regarding corrigendum in the environmental clearance for the project namely “M/s Chopra Alloys” located at Village Alour, bhadla Road, Khanna, District Ludhiana under EIA Notification dated 14.09.2006 by SEIAA, Punjab vide No. SEIAA/2019/772 dated 22.08.2019.**

The Industry namely M/s Chopra Alloys was granted Environmental Clearance under the EIA Notification dated 14.09.2006 vide letter no. SEIAA/2019/772 dated 22.08.2019 for production of steel ingots/billets @2,52,000 TPA. The EC was granted for installation of 3 nos induction furnaces (1x10 TPH, 2x20 TPH), 1 no. VD, 1 no. LRF and 1 no. concast.

Now, the Industry has submitted request for issuing corrigendum in the Environmental Clearance granted to the industry. As per the application submitted by the industry, their original EC application included a rolling mill and the same has been clearly mentioned at all stages of the processing of the application including public hearing, EIA report, minutes of DEIAA / SEAC meetings and even in the subject matter of the EC granted to them. However, the rolling mill has inadvertently not been mentioned in the list of machinery mentioned in the EC hence the EC may be amended so as to include 1no. rolling mill with production capacity of 1,80,000 TPA of Round/Squares/TMT/MS Bars/Angle/Channels/flats/strips etc. Documentary proof of the above submissions have been attached by the promoter company in their application.

The industry has submitted that it had applied for EC for the production of products as under:

Sr. No.	Product Name	Quantity
1.	Steel ingots/Billets	2,52,000 TPA
2.	Round/Squares/TMT/MS Bars/Angle/Channels/Flats etc	1,80,000 TPA

Also, the terms of reference were issued to the industry vide letter no. SEIAA/2018/360 dated 21.03.2018 with the above said production capacity. Further, in the public hearing notice published in the Tribune on 11.07.2018, it has been mentioned as under:

*“It is for the information of all concerned that M/s Chopra Alloys has proposed to expand its unit for manufacturing of steel ingots/ billets from 295000 TPA to 2,52,200 TPA by replacing existing 7 TPH induction furnaces with one induction furnace of 10 TPH capacity and 2 no. induction furnaces of 20 TPH capacity each and also to install a rolling mill for the manufacturing of Round/Square, TMT/MS Bars, Angles, Channel & Flats @ 1,80,000 TPA in the existing premises located in the revenue estate of village Alour, Bhadla Road, Tehsil Khanna, District Ludhiana”.*

Further the industry has submitted that as per the proceedings of the public hearing held on 13.08.2018 it has been mentioned as under:

*“He informed that an application was filed by M/s Chopra Alloys, Village Alour, Bhadla Road, Khanna, District Ludhiana with SEIAA, Punjab for getting environmental clearance under EIA notification to carry out expansion of its existing unit for manufacturing of steel ingots/ billets*

*from 29500 TPA to 2,52,000 TPA by replacing existing 7 TPH induction furnace with one induction furnaces of 10 TPH capacity and 2 no. induction furnaces of 20 TPH capacity each and also to install a rolling mill for the manufacturing of Round/Square, TMT/MS Bars,Angles, Channel & Flats @ 1,80,000 TPA in the existing premises located in 3 acres in the revenue estate of village Alour, Bhadla Road, Tehsil Khanna, District Ludhiana”.*

The industry has given reference of paragraph 1.1 and 1.2 of the Chapter 1 and para 2.4.1 and 11.2 of the EIA report in which it has been requested to consider the grant of EC for installation of rolling mill as well.

Further, as per the subject of the minutes of meeting of SEIAA/SEAC, there is acceptance of the fact that the industry shall install a rolling mill along with other machinery as mentioned earlier.

In light of above submissions made by the industry, it has sought corrigendum in the EC with provision of installation of 1 no. rolling mill with production capacity of Round/Square, TMT/MS Bars, Angles, Channel & Flats @ 1,80,000 TPA.

The industry has further submitted that it intends to install machinery for manufacturing of 1,80,000 TPA of ERW tube directly from the HR strips being manufactured in the existing rolling mill. The industry has submitted that the strips to be manufactured in the rolling mill will either be sold out as such in the market or will be used to manufacture ERW tube. No cold rolling process shall be involved in the manufacturing of ERW tubes and thus it does not fall under the ambit of EIA Notification. Also, after addition of ERW pipe plant the end product will be same i.e. Round/Square, TMT/MS Bars, Angles, Channel & Flats @ 1,80,000 TPA.

Lastly, the industry has sought permission to add additional 8 acres of land adjoining to the existing premises of the unit out of which 5 acres is under the ownership of M/s Chopra Alloys and 3 acres has been taken on lease from M/s Chopra Steel Strips. The industry submitted that after addition of the land they will maintain 3.6 acres i.e. 33% as green belt and 0.4 acres will be kept for parking of the vehicles.

The request made by the industry is annexed as **Annexure-1**.

## **2.0 Deliberations during 214<sup>th</sup> meeting of SEIAA held on 13.09.2022**

The case was considered by SEIAA in its 214<sup>th</sup> meeting held on 13.09.2022 which was attended by the following:

- i) Sh. Pankaj Chopra, Partner, M/s Chopra Alloys
- ii) Sh. Sital Singh, Environmental Consultant, M/s. Chandigarh Pollution Testing Laboratory.
- iii) Sh. Sandeep Singh, and Er. S.S. Matharu, Consultant, M/s. Chandigarh Pollution Testing Laboratory

SEIAA observed that the project proponent has requested for obtaining corrigendum in the Environmental Clearance granted to it vide letter no. SEIAA/2019/772 dated 22.07.2019 with addition of 1 no. rolling mill having production capacity of 1,80,000 TPA of round/square/TMT/MS bars/angle/channel/flats etc. The Environmental Consultant of the



project proponent informed that since the beginning they had applied for installation of 3 nos induction furnaces (1x10 TPH, 2X20 TPH), 1 no. VD, 1 no. LRF, 1 no. concast and 1 no. rolling mill with production capacity as under:

Sr. No.	Product Name	Quantity
1.	Steel ingots/Billets	2,52,000 TPA
2.	Round/Squares/TMT/MS Bars/Angle/Channels/Flats etc	1,80,000 TPA

He also showed the copies of Terms of Reference issued to it vide letter no. SEIAA/2018/360 dated 21.03.2018, public hearing notice published in "The Tribune" newspaper on 11.07.2018, proceedings of public hearing held on 13.08.2018 and also the EIA report which was submitted for obtaining EC. Further, the subject of the Environmental Clearance which was issued to the project proponent vide letter no. SEIAA/2019/772 dated 22.08.2019 also confirms the addition of 1 no rolling mill by the project proponent. However, rolling mill was inadvertently omitted in the list of machinery in the EC issued to the project proponent. SEIAA observed that from the submissions and documents submitted by the project proponent it is clear that the actual proposal as submitted by it include a rolling mill and the same has been clearly mentioned at all stages of the processing / appraisal and grant of EC to the project.

Regarding second request of the project proponent for installation of ERW tube manufacturing plant, it was informed by the project proponent that this unit does not attract the provisions of the EIA Notification dated 14.09.2006. The raw material for this plant will be the HR strips being manufactured in the existing rolling mill and the same shall be converted to tubes in the tube manufacturing plant in which only the shape of the HR strip will be changed by use of electricity and physical forces. SEIAA observed that there will be no change in the total production capacity of the plant with addition of ERW tube manufacturing plant nor will the same result in any increase in the environmental load of the project hence the requested corrigendum in this regard may be granted.

Lastly, the project proponent informed that they have proposed to add additional 8 acres of land adjoining to the existing premises of the unit out of which 5 acres is under the ownership of M/s Chopra Alloys and 3 acres has been taken on lease from M/s Chopra Steel Strips. The industry submitted that after addition of the land they will maintain 3.6 acres i.e. 33% of the combined area of the earlier land and the newly added plots as green belt and 0.4 acres will be kept for parking of the vehicles. To an observation of SEIAA, the project proponent agreed to reserve green area in the 5 acres land which is under the ownership of M/s Chopra Alloys. The additional green area in the 3 acres leased land will not be considered as green area for the purpose of meeting with the mandatory requirement of 33% of project area as green area. SEIAA noted that by granting the requested corrigendum for inclusion of 8 acres adjoining land as part of the project, the permanent green area of the project will increase by more than 2 acres. Hence the requested corrigendum may be granted.

Keeping the foregoing in view and after detailed deliberations, SEIAA decided to issue corrigendum in the EC granted to the project proponent vide letter no. SEIAA/2019/772 dated 22.08.2019 for steel manufacturing unit with 3 no. induction furnaces (1x10 TPH, 2X20 TPH), 1 no. VD, 1 no. LRF, 1 no. concast, 1 no. rolling mill and 1 no. ERW plant in land area of 11 acres with production details and additional condition given as under:

**Production Details**

Sr. No.	Product Name	Quantity
1.	Steel ingots/Billets	2,52,000 TPA
2.	Round/Squares/TMT/MS Bars/Angle/Channels/Flats etc	1,80,000 TPA

**Special Condition:**

The industry shall develop permanent green area of 3.6 acres in land under its ownership and will not include the leased land area for meeting with the requirement of developing 33% of project area as green area. However, additional plantation upto any extent can be carried out in the said leased area.

**Item No. 214.07: Approval of District Survey Reports and related matters.**

The Department of Mines & Geology vide Memo no. 1042-44 dated 05.09.2022 (copy at **Annexure 2**) has requested SEIAA to consider the following proposals of the said department:

- a) For the purpose of obtaining ECs for out of river bed mines included in the DSRs, the SEIAA may consider the approval of DSRs which shall have the complete data of out of river bed mines as per the 2020 Guidelines along with the river bed mines whose data has been collected during the pre-monsoon survey with approximate quantities of mineable material, subject to the condition that final reserve estimation for auction of river bed mines shall be updated in the DSRs after post-monsoon survey.
- b) To transfer the valid Environment Clearances of the mines in the name of concerned XEN-cum-District Mining Officers whose ECs were granted originally by the SEIAA/MOEF&CC in the name of department.
- c) To transfer the valid Environment Clearances of the mines in the name of concerned XEN-cum-District Mining Officers whose ECs were granted originally by the SEIAA/MOEF&CC in the name of contractor.

Thereafter, the department of Mines & Geology was requested vide SEIAA letter no. 378 dated 06.09.2022 (copy at **Annexure 3**) to provide following information w.r.t their letter no. 1042-44 dated 05.09.2022:

In connection with SEIAA letter no. 378 dated 06.09.2022, the department of Mines & Geology vide letter no. 1062 dated 08.09.2022 (copy at **Annexure 4**) has submitted as under:

- “1.0 In reference to your letter dated 06.09.2020, it is informed that the contracts of **Block-1** (comprising of district Ropar), **Block-3** (comprising of district Ferozepur, Fazilka, Moga and Sri Muktsar Sahib), **Block-5** (comprising of district Amritsar, Taran Tarn and Kapurthala) and **Block-7** (comprising of district SAS Nagar, Patiala and Fatehgarh Sahib) have been terminated by the Department. The copies of termination orders of these blocks are attached as **Annexure-A**. There is no stay against termination of mining contracts in any block by the Hon’ble High Court as well as District Courts.*
- 2.0 Further, in compliance to the orders dated 24.11.2017 passed in SLP no. 5745 of 2014, the government has authorized the XEN-cum-District Mining Officers in the state of Punjab to carry out the mining activities in the mines falling under their jurisdiction for a period of 3 years. The copy of letter in this regard is attached as **Annexure-B**.*
- 3.0 It is pertinent to mention that the district administrations are preparing the District Survey Reports in compliance to the Hon’ble Supreme Court orders dated 10.11.2021 and as per the instructions of SEIAA. The Sub-Division Committees are in the process of site visits before placing DSRs in the Public Domain and the desilting sites are also being included in the DSRs.*

4.0 *You are requested to kindly consider the request of the department made vide letter no. 1042-44 dated 05.09.2022 in the public interest and in view of the shortage in supply of sand & gravel in the State.”*

## **2.0 Deliberations during 214<sup>th</sup> meeting of SEIAA held on 13.09.2022**

The case was considered by SEIAA in its 214<sup>th</sup> meeting held on 13.09.2022. SEIAA perused the requests made by the Department of Mining & Geology vide Memo No. 1042-44 dated 05.09.2022 and subsequent clarification given vide Memo no. 1062 dated 08.09.2022.

After detailed deliberations it was observed / decided as under:

**a) Request to approve DSRs in the absence of post monsoon replenishment studies as an interim measure so as to facilitate grant of ECs for non-river bed sites:**

SEIAA perused Annexure A attached with Mining Department letter no 1042-44 dated 05.09.2022. As per the same, the appointed consultants of the Mining Department have so far identified 583 potential sites for sand mining in the state (168 agricultural / non-river bed sites and 415 river bed sites). These 583 sites are located in 15 Districts whereas no site has been identified by the consultants till now in the remaining 8 Districts. Annexure A further reveals that a large number of the potential sites have yet to be visited by the sub-divisional committees entrusted with the task of submitting their recommendations after on-site verification of the consultants' reports. So far, these sub-divisional committees have only recommended approval of 53 sites (less than 10% of the sites identified by the consultants) and in several cases the sub-divisional committees have yet to even commence their site visits.

SEIAA, therefore, observed that the following important tasks have yet to be carried out prior to submission of the DSRs to SEAC for appraisal:

- i) Consultants to complete the identification of potential sites (if any) in the remaining 8 Districts;
- ii) Sub-divisional committees to verify all potential sites in all Districts and submit their recommendations after site visits;
- iii) Draft DSRs to be prepared on the basis of (i) and (ii) above keeping in view the Model DSR (prepared under the guidance of SEIAA / PPCB and circulated by DECC to all districts) along with the SSMG, 2016 and EMGSM, 2020 guidelines of the MOEF&CC;
- iv) Draft DSRs along with list of proposed mining sites with approximate quantities of minor minerals available for extraction from each site to be placed in the public domain for a minimum period of one month for inviting comments / suggestions / objections from the public;
- v) Concurrent Post-monsoon replenishment studies to be conducted for all the river-bed sites;
- vi) Final DSRs to be prepared by the consultants after incorporating the inputs from the public consultation process and replenishment study data as per (iv) and (v) above;

- vii) Mining Department to check / verify the final DSRs prepared by the consultants and thereafter forward the same to the respective DCs;
- viii) DCs to verify the geographical and other physical / land records data of the DSRs and forward the same for technical appraisal to SEAC.

It is evident from the above that a number of important and time-consuming tasks are still required to be completed by the Consultants, Sub-divisional committees, the Mining Department and the District Administration before the final DSRs are prepared and submitted to SEAC. This entire procedure is likely to take at least 2 to 3 months after which SEAC and SEIAA also have to appraise the DSRs and consider the same for grant of ECs.

SEIAA further observed that the request of the Mining Department to provisionally approve interim DSRs minus the post monsoon replenishment studies (in order to facilitate issuing of ECs for non-river bed mining areas on the basis of the interim DSRs) is not permissible as the replenishment studies are an integral part of the DSRs. In fact, Hon'ble NGT vide its orders dated 14.10.2020 in OA No 40 of 2020 (Pawan Kumar v/s State of Bihar) has specifically held that interim DSRs without scientific replenishment studies are null and void and has directed preparation of fresh DSRs. Moreover, the request of the Mining Department will not result in any saving of time since above listed steps (i) to (iv) are necessary even for the preparation of the provisional or interim DSRs because it is mandatory to place the draft DSRs along with the list of all mining sites in the public domain for a minimum period of one month before even an "interim" DSR can be submitted for appraisal. Under these circumstances, consultants appointed by mining department can and should conduct the post-monsoon replenishment studies (step (v) listed above) concurrently with other pending tasks enlisted at steps (i) to (iv) above. In other words, the consultants should complete the post-monsoon replenishment surveys by the time the sub-divisional committees complete their site visits and during the time the subsequent mandatory public consultation process is completed. This methodology will avoid delays and the final DSRs can be prepared in the same time frame as the "interim" DSRs proposed by the Mining Department.

SEIAA decided that Mining Department be informed as above.

**b) To transfer the valid Environment Clearances of the mines in the name of concerned XEN-cum-District Mining Officers whose ECs were granted originally by the SEIAA/MOEF&CC in the name of department**

Mining Department has requested that 9 ECs originally issued to government departments / agencies but subsequently transferred to different contractors as per Annexure B of their letter no 1042-44 dated 05.09.2022 should be transferred back to the Mining Department since the contracts for the same had been terminated by Government. As requested by SEIAA, copies of the termination orders have been sent by Mining Department vide their letter no 1062 dated 08.09.2022.

SEIAA took note of the fact that these 9 ECs had originally been issued in the name of the Government but subsequently had to be transferred to the contractors in view of Hon'ble Supreme Court orders dated 28.10.2013 in SLP (C) No 729-31 of 2011 as per which applications for grant of ECs are to be submitted by concerned project proponents and not by the State Government. In this regard, SEIAA had also informed the Mining Department vide letter No 378 dated 06.09.2022 that any request regarding transfer of ECs should be in consonance with the aforesaid orders of the Hon'ble Supreme Court.

SEIAA perused letter No 5598-6002 dated 05.09.2022 of the Mining Department vide which the XENs -cum- District Mining Officers of the Department have been authorised to carry out mining activities in their respective jurisdictions and also perused the recent auction notices for sand mining issued by the Mining Department. As per the auction notices, all sand mining operations including excavation of sand / gravel, loading at site, transportation to and weighment at weighbridges and final transportation to off-site depots and unloading at the depots is to be done by the contractors to whom the contract is allocated by the Mining Department. As such, as per the aforesaid Hon'ble Supreme Court orders, the project proponents who are awarded the mining contracts are required to apply for ECs. Presumably, the methodology being adopted by the mining department as per these recently issued auction notices will also be implemented in the present category of cases seeking transfer of ECs.

SEIAA, therefore decided that before taking further action in the matter Mining Department be asked to clarify why it is seeking transfer of ECs in its name when the actual sand mining operations are to be conducted by third party contractors and grant of ECs in the name of the Mining Department would prima facie amount to contempt of the Hon'ble Supreme Court orders.

Further action in the matter would be taken on receipt of reply from the mining department.

**c) To transfer the valid Environment Clearances of the mines in the name of concerned XEN-cum-District Mining Officers whose ECs were granted originally by the SEIAA/MOEF&CC in the name of contractor**

Mining Department is seeking transfer of 19 ECs granted to different contractors (as per Annexure C of their letter no 1042-44 dated 05.09.2022) on the grounds that the contracts awarded in respect of these ECs had been terminated by their department. As requested by SEIAA, copies of the termination orders have been sent by Mining Department vide their letter no 1062 dated 08.09.2022.

The issues in the matter being similar to those in para (b) above, SEIAA decided that a similar clarification be sought from the Mining Department as to why transfer of EC was being requested in the name of the Department when, as per the Hon'ble

Supreme Court directions dated 28.10.2013 in SLP (C) No 729-31 of 2011 the ECs are required to be in the name of the project proponents (contractors) who will actually be undertaking the mining operations.

Further action in the matter would be taken on receipt of reply from the mining department.

**Item No. 214.08: Regarding Environmental Clearance issued to M/s SIEL Industrial Estate Limited vide letter No. DECC/SEIAA/2020/1713 dated 29.07.2020 as amended vide letter no SEIAA/MS/2021/4595 dated 10.08.2021.**

**Background:**

Director, SIEL Industrial Estate Ltd. has submitted a point wise reply on the observations raised by SEIAA vide letter no. DECC/SEIAA/2020/1713 dated 29.07.2020 on 11.05.2022. A copy of the said reply is attached as **Annexure-5** of the agenda for kind perusal.

**1.0 Deliberations during 211<sup>th</sup> meeting of SEIAA held on 27.07.2022.**

SEIAA perused the reply of the promoter company w.r.t SEIAA letter dated 18.04.2022. SEIAA observed that the reply of the project proponent is not satisfactory and the project proponent has not given concrete proposal for addressing the observations raised by SEIAA during its visit on 21.02.2022.

After detailed deliberations, SEIAA decided to afford an opportunity of personal hearing to the project proponent in the next meeting of SEIAA. Further, the project proponent be requested to appear along with up-to-date progress on the observations made by SEIAA earlier and also bring comprehensive six-monthly compliance report of the conditions of Environmental Clearance granted to it vide letter no. DECC/SEIAA/2020/1713 dated 29.07.2020 and as amended vide letter no. SEIAA/MS/2021/4595 dated 10.08.2021.

**2.0 Deliberations during 214<sup>th</sup> meeting of SEIAA held on 13.09.2022**

SEIAA was apprised that the project proponent vide letter dated 12.09.2022 has requested to defer the matter since the concerned Senior Officer of the company had to appear before the Hon'ble NGT on the said date and he requested to afford the personal hearing on 14.09.2022 and 15.09.2022.

SEIAA decided to accept the request of the project proponent and defer the matter till the next meeting.



**Table Item No. 1: Status of M/s Adesh Institute of Medical Science and Hospital, Bhucho Mandi, District Bathinda.**

Member Secretary, PPCB vide letter no. 13831 dated 28.06.2022 has sent the report for taking appropriate action for not obtaining prior Environmental Clearance by the subject cited Institute. Copy of the said letter is attached as **Annexure-3** of the agenda for kind perusal.

**1.0 Deliberations during 211<sup>th</sup> meeting of SEIAA held on 27.07.2022.**

SEIAA perused the PPCB letter no. 13831 dated 28.06.2022 and observed that subject cited institute has not obtained Environmental Clearance whereas as per report of the PPCB, the institute is required to obtain Environmental Clearance under the provisions of EIA Notification dated 14.09.2006 in light of the OM dated 09.06.2015 of the MOEF. The relevant part of the said OM is as under:

*“In case of medical universities/institutes the component of Hospitals will continue to require Environment Clearance.”*

In order to determine the applicability of the provisions of EIA notification on the project undertaken by the Institute, it is necessary to obtain a detailed break-up of the land area and the built-up area of the hospital component and the institute components of the Project as under:

- Total land area and total built-up area of the institute.
- Date of commencement of construction of the institute.
- Details of components of the institute: Dental College/Nursing College/Paramedical College/Physiotherapy/D-Pharmacy/B-Pharmacy/Adesh Institute of Medical Science and Research.
- Individual land areas and built-up areas of each component clearly stating which components are in the category of “Hospital” and which are in the category of “University” along with the dates of commencement and completion of construction activity.

After detailed deliberations, SEIAA decided that the institute be asked to provide the above details, along with all the approved layout plans of the project, within 15 days so as to ascertain the applicability of provisions of EIA Notification dated 14.09.2006. Further, PPCB be also requested to coordinate and ensure that the report from the institute is submitted in time.

Accordingly, the institute vide SEIAA letter no. 361 dated 17.08.2022 was asked to submit the requisite information as decided by SEIAA.

Now, the Institute has submitted reply vide Reference No. AIMSR/MS Admn/MS/5645 dated 02.09.2022 which is annexed as Annexure T/1.

**2.0 Deliberations during 214<sup>th</sup> meeting of SEIAA held on 13.09.2022**

The case was considered by SEIAA in its 214<sup>th</sup> meeting held on 13.09.2022. SEIAA observed that the matter needs extensive deliberations and due to paucity of time, SEIAA decided to defer the matter till the next meeting.

**Table Item No. 2: Request for withdrawal of complaint case filed by the Punjab Pollution Control Board against Desh Bhagat University and Others, Amlah Road, Mandi Gobindgarh under the provisions of the Environment (Protection) Act, 1986 on the directions of the SEIAA, Punjab.**

**1.0 Background:**

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

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

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

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

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

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

#### **2.0 Deliberations during 203<sup>rd</sup> meeting of SEIAA held on 29.03.2022.**

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

Accordingly, the Sr. Law Officer was requested vide letter no. 37 dated 07.04.2022 to give legal opinion regarding as to whether the SEIAA is empowered to withdraw the complaint at this stage.

Now, the legal opinion has been received from Sr. Advocate of Punjab Pollution Control Board vide letter no. 19306 dated 09.09.2022. A copy of the same is annexed at Annexure-T/2.

#### **2.0 Deliberations during 214<sup>th</sup> meeting of SEIAA held on 13.09.2022**

The case was considered by SEIAA in its 214<sup>th</sup> meeting held on 13.09.2022. The case was considered by SEIAA in its 214<sup>th</sup> meeting held on 13.09.2022. SEIAA observed that the matter needs extensive deliberations and due to paucity of time, SEIAA decided to defer the matter till the next meeting.

**Table Item 3: Regarding change in condition in the Environmental Clearance granted to the General Manager-cum-Mining Officer, DIC Ludhiana for mining of minor minerals (Sand) from the off river bed (Paleochannel of river Satluj) in the revenue estate of village Balliewal, Tehsil Ludhiana (E) District Ludhiana.**

The General Manager-cum-Mining Officer, DIC Ludhiana was granted Environmental Clearance by SEIAA, Punjab vide letter no. 673 dated 04.05.2017 for mining of minor minerals (Sand) from the off river bed (Paleochannel of river Satluj) in the revenue estate of village Balliewal, Tehsil Ludhiana (E) District Ludhiana.

Now, the Executive Engineer-cum-District Mining Officer, Ludhiana vide letter no. 4231-32/1-2/M+4 dated 22.07.2022 (Annexure-T/3) has requested for change in condition no. vi as mentioned in the subject cited EC. The condition no. (vi) as imposed in the said EC is reproduced as under:

*“The Mining Officer shall ensure that the mining shall be carried out by the contractor/lessor as per the EMP prepared and development/ mining plan prepared as per the Mines & Mineral (Development & Regulation) Act, 1957 other Acts/Rules related with mining of minor minerals. It shall be ensured that no mining shall be carried out during the monsoon season.”*

It has been contended by the Executive Engineer-cum-District Mining Officer, Ludhiana that the mining site is an agricultural site/out off river-bed site and is more than 4.5 km away from the river Sutlej.

**2.0 Deliberations during 214<sup>th</sup> meeting of SEIAA held on 13.09.2022**

The case was considered by SEIAA in its 214<sup>th</sup> meeting held on 13.09.2022. SEIAA observed that the matter needs extensive deliberations and due to paucity of time, SEIAA decided to defer the matter till the next meeting.

**Table Item 4: Representation by Sh. Paritosh Bihani, S/o Sh. Narender Bihani, H. No. 209, 1<sup>st</sup> Floor, Sec 20A, Chandigarh.**

SEIAA was apprised that a representation has been received from Sh. Paritosh Bihani, S/o Sh. Narender Bihani through email on 06.09.2022. The appellant has brought to the notice of SEIAA that despite absence of approved DSR and valid Environmental Clearance, the Department of Mines & Geology has issued 200+ fresh tenders for commercial sand mining in the name of Desilting.

After perusing the copy of tender notices issued by the Department of Mines & Geology, SEIAA observed that all the mining operations pertaining to excavation, loading, transportation and unloading are proposed to be carried out by the contractors whereas the role of the mining department shall be restricted to receiving the material from the contractors in off-site depots and thereafter selling the material in the market. However, the Tender notices do not contain any condition that the contractors are required to take prior Environmental Clearance for the mining operations to be undertaken by them or that the mining is to be done in accordance with the terms and conditions of the ECs and SSMG, 2016 / EMGSM, 2020 guidelines issued by the MOEF&CC.

After detailed deliberations, SEIAA decided as under:

- (i) The representation be forwarded to the Department of Mines & Geology with a request to submit point wise reply to the allegations levelled by the complainant.
- (ii) Mining Department be asked to include the condition that successful bidders will be required to take prior ECs before commencement of mining operations and will ensure compliance of all EC conditions during the entire time period of the mining contracts.
- (iii) The Department of Mines & Geology be requested to clarify why ownership of heavy machinery has been made a pre-condition for participation in the tender in the absence of ECs permitting mechanised sand / gravel mining.
- (iv) Further, as already conveyed vide this office letter no 378 dated 06.09.2022, Mining Department be asked to issue instructions to all concerned officers to ensure that no mining operations are carried out for any commercial sand mining (including commercial mining in de-silting sites) without prior and valid EC's.

Meeting ended with a vote of thanks to the Chair.

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