

**Proceeding of 203<sup>rd</sup> meeting of State Expert Appraisal Committee (SEAC) held on 05.07.2021 in the Conference Hall no. 2 at 9:00 AM, MGSIPA Complex, Sector-26, Chandigarh.**

The following were present:

<b>Sr. No.</b>	<b>Name of SEAC Member</b>	<b>Designation in SEAC</b>
1.	Er. Yogesh Gupta	Chairman
2.	Sh. Pardeep Garg	Member Secretary
3.	Sh. Parminder Singh Bhogal	Member (Through VC)
4.	Sh. Anil Kumar Gupta	Member (Through VC)
5.	Dr. Preet Mohinder Singh Bedi	Member (Through VC)
6.	Satish Kumar Gupta	Member (Through VC)
7.	Dr. Sunil Mittal	Member (Through VC)

**Item No. 01: Confirmation of the proceedings of 202<sup>nd</sup> meeting of State Level Expert Appraisal Committee held on 21.06.2021.**

The proceedings of 202<sup>nd</sup> meeting of State Level Expert Appraisal Committee held on 21.06.2021, respectively were prepared and circulated through email on 25.06.2021. No, observation had been received from any of the Members. As such, SEAC confirmed the same.

**Item No. 02: Action taken on the proceedings of the 202<sup>nd</sup> meeting of State Level Expert Appraisal Committee held on 21.06.2021.**

SEAC was apprised that the action taken on the decisions of 202<sup>nd</sup> meeting of State Level Expert Appraisal Committee held on 21.06.2021 had already been completed. SEAC noted the same.

**Item no.203.01: Application for issuance of ToR for manufacturing of 375 TPD (1,31,250 TPA) of ingots/billets and flats & strips @ 1,31,250 TPA at GT Road, Sirhind side, backside Modern steel Ltd, Mandi Gobindgarh, District Fatehgarh Sahib by M/s Ambey Industries. (Proposal No. SIA/PB/IND/63981/2021).**

M/s Ambey Industries has applied for issuance of ToR for manufacturing of 375 TPD (1,31,250 TPA) of ingots/billets and flats & strips @ 1,31,250 TPA, by installing 1 No. Induction Furnace of 25 Tons/Heat, Ladle Refining Furnace (LRF), Concast and Rolling Mill at GT Road, Sirhind side, backside Modern Steel Ltd, Mandi Gobindgarh, District Fatehgarh Sahib. The Project Proponent has taken M/s K.L Steel Industries, GT Road, Mandi Gobindgarh, on rent/lease basis w.e.f. 01.05.2021 to 31.03.2056 i.e for 35 years. M/s K.L Steel Industries has already an existing rolling mill with valid consent to operate from the Punjab Pollution Control Board. The Project Proponent has also purchased 2.9960 acres of the land adjoining to the said industry and thus the total plot area comes out to be 5.4203 acres. The total cost of the project is Rs. 33.7994 Cr.

The project proponent submitted the Form I, Pre-feasibility report and other additional documents on online portal. He has also deposited the requisite fee of Rs. 84,500/- through NEFT No. JAKA210603620934 dated 03.06.2021. The Project Proponent has deposited 25% of the total fee prescribed for the Environmental Clearance being at ToR stage and the remaining 75% of the fee i.e. Rs. 2,53,500/- will be paid at the time of applying for Environmental Clearance.

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

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

**Deliberations during 203<sup>rd</sup> meeting of SEAC held on 05.07.2021.**

The meeting was attended by the following:

1. Puneet Kumar, Partner, on behalf of Project Proponent.

2. Sh. Sital Singh, EIA coordinator, M/s Chandigarh Pollution Testing Laboratory, E-126, Phase-VII, Industrial Area, Mohali.

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

<b>Sr. No.</b>	<b>Description</b>	<b>Details</b>
1.	Name and Location of the project	Proposed Steel manufacturing unit namely "M/s Ambey Industries" at G.T Road, Sirhind Side, backside Modern Steel Ltd., Mandi Gobindgarh, District Fatehgarh Sahib, Punjab.
2.	In case of expansion projects, whether granted EC earlier, if Yes, then provide its details	Not Applicable, as it is a new Project.
3.	Nature of project (Fresh EC/EC for Expansion/New)	Fresh
4.	Category/Activity	(a) B (b) Metallurgical Industries (ferrous & nonferrous) (8), Schedule 3(a) as per EIA notification-2006.
5.	Whether project falls within 5km from the boundary of critically polluted area	No
6.	Undertaking to reflect that project is neither located near to PLPA area nor fall in the PLPA area	The project site is neither located near to PLPA area nor fall in PLPA area.
7.	Classification/Land use pattern as per Master Plan	The project falls in industrial zone as per the master plan of Mandi Gobindgarh, Punjab
8.	Details of CLU certificate	Industry falls under the industrial zone as per master plan of Mandi Gobindgarh (2010-2031)

9.	Project Area Details:				
	<b>S. No.</b>	<b>Description</b>	<b>Area (in sq m)</b>		
	1	Existing Shed Area	3793.2		
	2	Green Area	4572.49		
	3	Road Area	2973.97		
	3	Parking Area	1055.76		
	5	Other Area	3158.22		
	6.	Proposed Shed & Office Area	6208.17		
<b>Total</b>			<b>21761.8</b>		
10.	Raw Material requirement as per following format:				
	<b>S. No.</b>	<b>Raw Material name</b>	<b>Proposed (TPA)</b>		
	1.	MS Scrap & Ferro Alloys	1,43,062		
11.	Production Capacity as per following format:				
	<b>S. No.</b>	<b>Product name</b>	<b>Proposed (TPA)</b>		
	1.	Steel Ingots/billets, HR Flats, Strips	1,31,250		
12.	Details of major productive machinery/plant				
	<b>S. No.</b>	<b>Particulars</b>	<b>Proposed</b>		
	1.	Induction Furnace	25 TPH		
	2.	Ladle Refining Furnace (LRF)	25 TPH		
	3.	Rolling mill	01 No.		
	4.	Concast	01 No.		
13.	Details of Emissions (After expansion)				
	<b>Sr. No.</b>	<b>Source</b>	<b>Capacity (TPH)</b>	<b>Chimney Height (m)</b>	<b>Details of existing &amp; proposed Air Pollution Control Device</b>
	i)	Induction Furnace	1X25 TPH	30	Side Suction Hood, Spark Arrestor, Bag House, ID Fan (Offline Cleaning Pulsejet Bag Filter)
14.	Status of Proposed ToRs		Standard TORs submitted.		

SEAC was satisfied with the presentation and took a copy on record.

After detailed deliberations, it was decided to categorize the project under Activity 3(a); B-1 with public consultation as required for the project. The Committee approved the Terms

of Reference for Steel manufacturing unit namely M/s Ambey Industries located at GT Road, Sirhind side, backside Modern steel Ltd, Mandi Gobindgarh, District Fatehgarh Sahib, Punjab with increase in production capacity of the 375 TPD (1,31,250 TPA) of ingots/billets and flats & strips @ 1,31,250 TPA by installing 1no. Induction furnaces of 25 tons/Heat, Ladle refining furnace (LRF), concast and rolling mill for preparing Environmental Impact Assessment (EIA) report for the proposed project and recommended to SEIAA to issue the following TORs:

## **STANDARD TERMS OF REFERENCE**

### 1) Executive Summary

Report in about 8-10 pages incorporating the following:

- (i) Project name and location (Village, Distt., State, Industrial Estate (if applicable))
- (ii) Products and capacities. If expansion proposal, then existing products with capacities and reference to earlier EC.
- (iii) Requirement of land, raw material, water, power, fuel, with source of supply (Quantitative)
- (iv) Process description in brief, specifically indicating the gaseous emission, liquid effluent and solid and hazardous wastes.
- (v) Measures for mitigating the impact on the environment and mode of discharge or disposal.
- (vi) Capital cost of the project, estimated time of completion
- (vii) Site selected for the project - Nature of land - Agricultural (single/double crop), barren, Govt./private land, status of its acquisition, nearby (in 2-3 km.) water body, population, within 10 km other industries, forest, eco-sensitive zones, accessibility, (note - in case of industrial estate this information may not be necessary)
- (viii) Baseline environmental data - air quality, surface and groundwater quality, soil characteristic, flora and fauna, socio-economic condition of the nearby population Identification of hazards in handling, processing and storage of hazardous material and safety system provided to mitigate the risk.
- (ix) Identification of hazards in handling, processing and storage of hazardous material and safety system provided to mitigate the risk

- (x) Likely impact of the project on air, water, land, flora-fauna and nearby population
- (xi) Emergency preparedness plan in case of natural or in plant emergencies
- (xii) Issues raised during public hearing (if applicable) and response given
- (xiii) CSR/CER plan with proposed expenditure.
- (xiv) Occupational Health Measures
- (xv) Post Project monitoring plan
- (xvi) Synopsis of the project (as available on web site i.e. [www.pbdecc.gov.in](http://www.pbdecc.gov.in))

2) Introduction

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

3) Project Description

- (i) Cost of project and time of completion.
- (ii) Products with capacities for the proposed project.
- (iii) If expansion project, details of existing products with capacities and whether adequate land is available for expansion, reference of earlier EC if any.
- (iv) List of raw materials required and their source along with mode of transportation.
- (v) Other chemicals and materials required with quantities and storage capacities.
- (vi) Details of Emission, effluents, hazardous waste generation and their management.
- (vii) Requirement of water (breakup for induction and rolling mill), power, with source of supply, status of approval, water balance diagram, man-power requirement (regular and contract).
- (viii) Process description along with major equipment and machineries, process flow sheet (quantitative) from raw material to products to be provided
- (ix) Hazard identification and details of proposed safety systems.

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

#### 4) Site Details

- (i) Location of the project site covering village, Taluka / Tehsil, District and State, Justification for selecting the site, whether other sites were considered. Copy of Master Plan indicating a land use pattern of the site is in conformity of proposals of Master Plan shall be attached with EIA report.
- (ii) A top sheet of the study area of radius of 10 km and site location on 1:50,000/1:25,000 scale on an A3/A2 sheet. (Including all eco-sensitive areas and environmentally sensitive places)
- (iii) Details w.r.t. option analysis for selection of site.
- (iv) Co-ordinates (lat-long) of all four corners of the site.
- (v) Google map-Earth downloaded of the project site
- (vi) Layout maps indicating existing unit as well as proposed unit indicating storage area of raw material, finished products, greenbelt area with marking of tree, Location of STP/ETP, Solid waste storage area, Parking space, Firefighting equipment layout, First aid room, Location of Tube wells, DG Sets & Transformers and any other utilities
- (vii) If located within an Industrial area/Estate/Complex, layout of Industrial Area indicating location of unit within the Industrial area/Estate.
- (viii) Photographs of the proposed and existing (if applicable) plant site. If existing, show photographs of plantation/greenbelt, in particular.
- (ix) Land use break-up of total land of the project site (identified and acquired), government/private - agricultural, forest, wasteland, water bodies, settlements, etc. shall be included. (not required for industrial area)



- (x) A list of major industries with name and type within study area (10 km radius) shall be incorporated. Land use details of the study area.
  - (xi) Geological features and Geo-hydrological status of the study area shall be included.
  - (xii) Details of Drainage of the project up to 5km radius of study area. If the site is within 1 km radius of any major river, peak and lean season river discharge as well as flood occurrence frequency based on peak rainfall data of the past 30 years. Details of Flood Level of the project site and maximum Flood Level of the river shall also be provided. (mega green field projects)
  - (xiii) Status of acquisition of land. If acquisition is not complete, stage of the acquisition process and expected time of complete possession of the land.
  - (xiv) R&R details in respect of land in line with state Government policy
- 5) Forest and wildlife related issues (if applicable):
- (i) Permission and approval for the use of forest land (forestry clearance), if any, and recommendations of the State Forest Department. (if applicable).
  - (ii) Land use map based on High resolution satellite imagery (OPS) of the proposed site delineating the forestland (in case of projects involving forest land more than 40 ha).
  - (iii) Status of Application submitted for obtaining the stage I forestry clearance along with latest status shall be submitted.
  - (iv) The projects to be located within 10 km of the National Parks, Sanctuaries, Biosphere Reserves, Migratory Corridors of Wild Animals, the project proponent shall submit the map duly authenticated by Chief Wildlife Warden showing these features vis-a-vis the project location and the recommendations or comments of the Chief Wildlife Warden-thereon.
  - (v) Wildlife Conservation Plan duly authenticated by the Chief Wildlife Warden of the State Government for conservation of Schedule I fauna, if any exists in the study area.
  - (vi) Copy of application submitted for clearance under the Wildlife (Protection) Act, 1972, to the Standing Committee of the National Board for Wildlife.
- 6) Environmental Status

- (i) Determination of atmospheric inversion level at the project site and site specific micro-meteorological data using temperature, relative humidity, hourly wind speed and direction and rainfall.
  - (ii) AAQ data (except monsoon) at 8 locations for PM 10, PM2.5, SO<sub>2</sub>, NO<sub>x</sub>, CO and other parameters relevant to the project shall be collected. The monitoring stations shall be based CPCB guidelines and take into account the pre dominant wind direction, population zone and sensitive receptors including reserved forests.
  - (iii) Raw data of all AAQ measurement for 12 weeks of all stations as per frequency given in the NAQPM Notification of Nov. 2009 along with - min., max., average and 98% values for each of the AAQ parameters from data of all AAQ stations should be provided as an annexure to the EIA Report.
  - (iv) Surface water quality of nearby River (100m upstream and downstream) and other surface drains at eight locations as per CPCB/MoEF& CC guidelines.
  - (v) Whether the site falls near to polluted stretch of river identified by the CPCB/MoEF& CC.
  - (vi) Groundwater monitoring at minimum at 8 locations shall be included.
  - (vii) Noise levels monitoring at 8 locations within the study area.
  - (viii) Soil Characteristic as per CPCB guidelines.
  - (ix) Traffic feasibility / serviceability study for at least 5 days based on Indian Standard Codes. Further it shall also include the details of cross section of the road on which industry is located, vehicles movement w.r.t. the industry, traffic load of other vehicles on the road incorporating the haulage time for the vehicles for loading/unloading within the premises and parking requirement to avoid the traffic congestions on the link and adjoining roads. Traffic study shall be conducted considering the traffic of the industries located in the vicinity.
  - (x) Detailed description of flora and fauna (terrestrial and aquatic) existing in the study area shall be given with special reference to rare, endemic and endangered species. If Schedule-I fauna are found within the study area, a Wildlife Conservation Plan shall be prepared and furnished.
  - (xi) Socio-economic status of the study area.
- 7) Impact Assessment and Environment Management Plan
- (i) Assessment of ground level concentration of pollutants from the stack emission based on site-specific meteorological features. In case the project is located on

- a hilly terrain, the AQIP Modeling shall be done using inputs of the specific terrain characteristics for determining the potential impacts of the project on the AAQ. Cumulative impact of all sources of emissions (including transportation) on the AAQ of the area shall be well assessed. Details of the model used and the input data used for modeling shall also be provided. The air quality contours shall be plotted on a location map showing the location of project site, habitation nearby, sensitive receptors, if any.
- (ii) Water Quality modelling.
  - (iii) Impact of the transport of the raw materials and end products on the surrounding environment shall be assessed and provided. In this regard, options for transport of raw materials and finished products and wastes (large quantities) by rail or rail-cum road transport or conveyor-cum-rail transport shall be examined.
  - (iv) A note on treatment, recycling and reuse of wastewater from different plant operations, extent for different purposes shall be included. Complete scheme of effluent treatment. Characteristics of untreated and treated effluent to meet the prescribed standards of discharge under EPA Rules.
  - (v) Details of stack emission and action plan for control of emissions to meet standards.
  - (vi) Measures for fugitive emission control
  - (vii) Details of hazardous waste generation and their storage, utilization and disposal. Copies of MOU regarding utilization of solid and hazardous waste shall also be included. EMP shall include the concept of waste-minimization, recycle/reuse/recover techniques, Energy conservation, and natural resource conservation.
  - (viii) Proper utilization of fly ash shall be ensured as per Fly Ash Notification, 2009. A detailed plan of action shall be provided.
  - (ix) Action plan for the green belt development in 33 % area with not less than 1,500 trees per hectares giving details of species, width of plantation, planting schedule, post plantation maintenance plan for 3 years shall be included. The green belt shall be around the boundary and a scheme for greening of the roads used for the project shall also be incorporated
  - (x) Action plan for rainwater harvesting measures at alternative sites shall be submitted to harvest rainwater from the roof tops and storm water drains to recharge the groundwater and also to use for the various activities to conserve freshwater and reduce the water requirement from other sources.

- (xi) Total capital cost and recurring cost/annum for environmental pollution control measures shall be included.
- (xii) Action plan for post-project environmental monitoring shall be submitted.
- (xiii) Onsite and Offsite Disaster (natural and Man-made) Preparedness and Emergency Management Plan including Risk Assessment and damage control. Disaster management plan should be linked with the District Disaster Management Plan.

8) Occupational health

- (i) Details of existing Occupational & Safety Hazards. What are the exposure levels of above-mentioned hazards and whether they are within the Permissible Exposure Level (PEL)? If these are not within PEL, what measures the company has adopted to keep them within PEL so that the health of the workers can be preserved,
- (ii) Details of exposure specific health status evaluation of worker. If the workers' health is being evaluated by pre-designed format, chest x rays, Audiometry, Spirometry, Vision testing (Far & Near vision, colour vision and any other ocular defect) ECG, during pre-placement and periodical examinations give the details of the same. Details regarding last month analyzed data of above-mentioned parameters as per age, sex, duration of exposure and department wise.
- (iii) Annual report of the health status of workers with special reference to Occupational Health and Safety.
- (iv) Plan and fund allocation to ensure the occupational health & safety of all contract and casual workers.

9) Corporate Environment Policy

- (i) Does the company have a well laid down Environment Policy approved by its Board of Directors? If so, it may be detailed in the EIA report.
- (ii) Does the Environment Policy prescribe for standard operating processes/procedures to bring into focus any infringement/deviation/violation of the environmental or forest norms/conditions? If so, it may be detailed in the EIA.
- (iii) What is the hierarchical system or Administrative order of the company to deal with the environmental issues and for ensuring compliance with the environmental clearance conditions? Details of this system may be given.

- (iv) Does the company have a system of reporting of non-compliances / violations of environmental norms to the Board of Directors of the company and / or shareholders or stakeholders at large? This reporting mechanism shall be detailed in the EIA report
- 10) Details regarding infrastructure facilities such as sanitation, fuel, restroom, etc. to be provided to the labour force during construction as well as to the casual workers including truck drivers during the operation phase.
- 11) Enterprise Social Commitment (ESC)
  - (i) To address the Public Hearing issues, 2.5% of the total project cost of (Rs.\_\_\_\_crores), amounting to Rs.\_\_\_\_crores, shall be earmarked by the project proponent, towards Enterprise Social Commitment (ESC). Distinct ESC projects shall be carved out based on the local public hearing issues. Project estimate shall be prepared based on PWD schedule of rates for each distinct Item and schedule for time-bound action plan shall be prepared. These ESC projects as indicated by the project proponent shall be implemented along with the main project. Implementation of such program shall be ensured by constituting a Committee comprising of the project proponent, representatives of village Panchayat & District Administration. Action taken report in this regard shall be submitted to the Ministry's Regional Office. No free distribution/donations and or free camps shall be included in the above ESC budget
- 12) Any litigation pending against the project and/or any direction/order passed by any Court of Law against the project, if so, details thereof shall also be included. Has the unit received any notice under the Section 5 of Environment (Protection) Act, 1986 or relevant Sections of Air and Water Acts? If so, details thereof and compliance/ATR to the notice(s) and present status of the case.
- 13) A tabular chart with index for points wise compliance of above TORs.

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

- (i) Details of proposed layout clearly demarcating existing & proposed features of the project within the plant.
- (ii) Total no. of furnaces & details including capacity of each furnace.
- (iii) Detail of the mechanical shredder to reduce the size of the raw material.
- (iv) Complete process flow diagram describing each unit, its processes, and operations, along with material and energy inputs and outputs (material and energy balance).

- (v) Details on the design and manufacturing process for all the units.
- (vi) Details on environmentally sound technologies for recycling of hazardous materials, as per CPCB Guidelines, may be mentioned in case of handling scrap and other recycled materials.
- (vii) Details on the requirement of raw materials, its source, and storage at the plant.
- (viii) Details on the requirement of energy and water along with its source and authorization from the concerned department. Location of water intake and outfall points (with coordinates).
- (ix) Details on toxic metal content in the waste material and its composition and end-use (particularly of slag).
- (x) Details on toxic content (TCLP), composition and end-use of chrome slag. Details on the recovery of the Ferro chrome from the slag and its proper disposal.

**C. ADDITIONAL SPECIFIC TORS DECIDED DURING MEETING OF SEAC**

1. Public consultation is required for the projects as not located in notified industrial parks/estates.
  2. Submit proof of ownership of land (existing owner) such as copy of latest Jamabandi (not more than one month old) and credible document showing status of land acquisition w.r.t. project site as prescribed in OM dated 07.10.2014 issued by MoEF)
  3. Submit dully filled prescribed field data sheets and analysis reports along with exact location of sampling / monitoring point marked on the layout map. Also submit the status of approvals of Laboratories.
  4. Submit cost of the project duly certified by Chartered Engineer/ Approved valuer / Chartered Accountant. In the absence of above, the project proponent may submit self-certified detail of cost of the project mentioning the cost of Land, building, infrastructure and plant & machinery
  5. Certificate from the concerned authority w.r.t the location of protected areas as notified under the Wildlife Protection Act, 1972 within 5 km radius from the boundary of the project site.
- (i) Certificate from the Department of Town & Country Planning or concerned authorities to support the claim made by project proponent that the project site is located in the industrial zone as per the provisions of Master Plan of

Town/City in the jurisdiction of which the project site is located or the project proponent shall submit the Change of land use of the project site for total land area.

6. Compliance of the siting criteria, standard operating practices, code of practice, and guidelines if any prescribed by the SPCB/CPCB/MoEF&CC for such type of units.
7. Necessary permissions from the Central Groundwater Authority (CGWA)/ State Groundwater Authority (SGWA)/concerned authority for the abstraction of groundwater for the existing requirements as well as for the expanded unit. In case of not allowing such permission by the concerned authority for the abstraction of additional groundwater for the expanded project, the project proponent shall propose alternative arrangements to meet out the additional water requirements. It shall be ensured that: -
  - a) In the projects where groundwater is proposed as a water source, the project proponent shall apply to the Central Groundwater Authority (CGWA)/ State Groundwater Authority (SGWA), as the case may be, for obtaining No Objection Certificate (NOC) if applicable.
  - b) Approval /permission of the CGWA/SGWA shall be obtained before drawing groundwater for the project activities.
  - c) In the absence of approval, submit a copy of acknowledgment along with a set of application filed to CGWA /Competent Authority for obtaining permission for the abstraction of groundwater
8. Minimize the water consumption in the steel plant complex by segregation of used water, practicing cascade use and by recycling treated water.
9. STP for treatment of wastewater & re-utilization of the treated water for core/non-core activities so as to achieve the Zero Liquid Discharge Condition as per the III (iv) of OM dated 09/08/2018 issued by the MoEF&CC for such units.
10. Reuse of cooling tower blow down, simultaneously ensuring the standards prescribed for such purge waters. If required, necessary arrangements shall be made to keep this waste stream within the parameters required for reuse.
11. In case of any acid pickling activity, the spent acid/effluents generated from such activities shall be utilized through authorized re-processors for converting the same into useful by-products like FeSO<sub>4</sub> etc. An agreement to this effect shall be made with the authorized agencies.

12. Adequate area to be reserved and marked on the layout plan for the green belt as per the conditions laid down by the MoEF&CC as per the Standard EC Conditions prescribed for Induction/ Electric Arc Furnace & Rolling Mills circulated vide OM dated 09/08/2018.
13. Detailed study report along with calculation for reserving land for loading or unloading of raw material, products, slag, hazardous waste as well as for storage of these materials and the area to be reserved for parking incorporating the time required for loading and unloading of vehicles for respective activities and minimum/maximum period for which storage of the above material is required in the premises. The areas for the respective activities to be marked on the layout plan.
14. Action plan for the compliance of standard operating procedures and up-gradation of suction and treatment arrangement for the secondary emissions as prescribed by the State Pollution Control Board or by CPCB/MoEF&CC.
15. Compliance of standard operating procedures and up-gradation of suction/treatment systems for the control of secondary emissions within the time frame prescribed by the State Pollution Control Board. Similar action is to be implemented in the proposed expansion project.
16. Whole of the vehicle movement area as well as the approach road to the gate /weighing bridge shall be paved with pucca/metalled / cement concrete road to control the dust emissions expected from the vehicle movement.
17. The vehicles to be used for loading/unloading purposes shall not be parked along the roadside so as to avoid the traffic congestion and dedicated parking place to be provided for the same.
18. Adopt green technologies to conserve the water and energy including shearing/cutting / bundling machines. Also, to provide abrasive resistant fire bricks in the crucibles to reduce the periodic maintenance & disposal of discarded fire bricks.
19. Use of natural gas (if available) as substitute fuel wherever possible in the existing industry/ for the expansion project.
20. Submit compliance w.r.t. condition no.II [(i) & (iii)] subtitled as "Air Quality Monitoring & Preservation" regarding continuous emission monitoring system and continuous ambient air quality monitoring as prescribed in the Standard EC Conditions for Induction/ Electric Arc Furnace & Rolling Mills issued by the MoEF&CC, New Delhi vide OM dated 09/08/2018.



21. Examine and submit the proposal for: -
- Recovery of iron from slag before disposing of it.
  - Identify the areas for utilization of slag in a scientific manner and explore its usage in cement/construction industry/manufacturing of pavers & tiles/road laying etc.
  - Recovery of precious metals like Zinc, lead and iron etc. from the APCD dust (Hazardous waste) through authorized re-processor.
22. Air Pollution Control Arrangement details shall be provided as below:

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

23. Submit compliance regarding the installation of Pulse jet bag filter with offline cleaning technology as APCD with the proposed induction furnace.
24. List the species with heavy foliage, broad leaves and wide canopy cover. The landscape planning should include plantation of native species. Water intensive and/or invasive species should not be used for landscaping

The following general points shall be noted:

- The EIA document shall be printed on both sides, as for as possible.
- All documents shall be properly indexed, page numbered.
- Period/date of data collection shall be clearly indicated.
- The letter/application for environmental clearance shall quote the MOEF / SEIAA file No. and also attach a copy of the letter.
- The copy of the letter received from the Ministry / SEIAA shall be also attached as an annexure to the final EIA-EMP Report.
- The index of the final EIA-EMP report must indicate the specific chapter and page no. of the EIA-EMP Report.

- (vii) While preparing the EIA report, the instructions for the proponents and instructions for the consultants issued by MOEF vide notification dated 03.03.2016 which is available on the website of this Ministry shall also be followed.
- (viii) The consultants involved in the preparation of EIA-EMP report after accreditation with Quality Council of India (QCI) /National Accreditation Board of Education and Training (NABET) would need to include a certificate in this regard in the EIA-EMP reports prepared by them and data provided by other organization/Laboratories including their status of approvals etc. Name of the Consultant and the Accreditation details shall be posted on the EIA-EMP Report as well as on the cover of the Hard Copy of the Presentation material for EC presentation.

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

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

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

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

**Item No 203.02: Application for obtaining amendment in Environmental clearance under EIA notification dated 14.09.2006 for establishment of new industrial estate in the revenue estate of Village Jakhran, Khadauli, Sardargarh & Damanheri, Tehsil Rajpura, District Patiala, Punjab by M/s SIEL Industrial Estate Limited (Proposal No. SIA/PB/MIS/41929/2018)**

The project namely M/s SIEL Industrial Estate Ltd was accorded Environmental Clearance under EIA notification vide letter number DECC/SEIAA/2020/1713 dated 29.07.2020 for Plot area of 462.155 acres.

Now, the Project Proponent has applied for amendment in the said Environment Clearance with the total project area of 423.290 acres and no. of plots has decreased from 255 to 243. The reason for change in the area details is that M/s SIEL Industrial Estate Ltd is a 100% subsidiary of M/s. Mawana Sugar Ltd. While obtaining Environmental Clearance under EIA notification, M/s. Mawana Sugar Ltd. gave consent to M/s SIEL Industrial Estate Ltd to induct the land measuring 51.742 acres belonging to them in Industrial Estate to be developed in 462.155 acres of land area. However, Board of directors of M/s. Mawana Sugar Ltd in the Board meeting held on 9.12.2020 decided to withdraw the consent accorded to M/s SIEL Industrial Estate Ltd to induct the land belonging to them. Thus, the area of the project was reduced to 410.413 acres (462.155-51.742). Thereafter, the discussions were again held with the management of the M/s. Mawana Sugar Ltd to reconsider the decision for withdrawal of the consent with regard to land belonging to them and the matter was reconsidered by the Board of directors of M/s. Mawana Sugar Ltd in the Board meeting held on 09.02.2021 and it was decided to sell out only 12.877 acres of land belonging to the said sugar mill to M/s SIEL Industrial Estate Ltd.

Accordingly, the project area has become **423.290 acres** (410.413+12.877) and the no. of plots have been decreased from 255 to 243. The Project Proponent has now amended the conceptual layout plan. However, the total project cost will remain the same i.e. Rs. 377 Crores.

The detail with regard to reduction in the quantity of water consumption viz-a-viz generation of domestic effluent and solid waste is given as under:

<b>Sr. No.</b>	<b>Description</b>	<b>As per approved Environmental Clearance</b>	<b>As per Amendment</b>
1	Plot area	462.155 acres	423.29 acres
2.	No. of plots	253 + 02 Reserved Plots	241 + 02 Reserved Plots
3.	Population	25065	23278
4.	Water requirement	2670 KLD	2400 KLD
5.	Waste water generation	2282KLD	1920KLD
6.	Waste water disposal & treatment	4 no. of STPs of total capacity 2500KLD	4 no. of STPs of total capacity 2500KLD
7.	STP Technology	SBR	MBBR
8.	Solid waste generation	4500kg/day	4180kg/day

The project was earlier granted Environment Clearance in category 8(b) and has already deposited Rs. 5,61090/- vide R.no. 4364 dated 03.10.2019, which is adequate as per the fee circular dated 27.06.2019, at the time obtaining Environment Clearance.

#### **Deliberations during 203<sup>rd</sup> meeting of SEAC held on 05.07.2021.**

The meeting was attended by the following:

1. Sh. Jasvir Ram, Revenue Execute-II, on behalf of Project Proponent.
2. Sh. Sital Singh, EIA coordinator, M/s Chandigarh Pollution Testing Laboratory, E-126, Phase-VII, Industrial Area, Mohali.

SEAC observed that the change in the area is due to the administrative reasons taken by the Parent Company namely M/s. Mawana Sugar Ltd. Further, there will be decrease in pollution load with the amendment as sought by the Project Proponent. SEAC further observed that the Project Proponent had submitted that compliance report of the previous conditions of the Environmental Clearance already granted to it and it was found satisfactory.

SEAC further observed that the Project Proponent had proposed to adopt MBBR technology at the place of SBR technology as stipulated in the previous Environmental Clearance. Since, SBR is a better technology, the Project Proponent shall adopt the SBR technology.

After detailed deliberations, SEAC decided to recommend SEIAA to grant amendment to the project as per details given below:

<b>Sr. No.</b>	<b>Description</b>	<b>As per approved Environmental Clearance</b>	<b>As per Amendment</b>
1	Plot area	462.155 acres	423.29 acres
2.	No. of plots	253 + 02 Reserved Plots	241 + 02 Reserved Plots
3.	Population	25065	23278
4.	Water requirement	2670 KLD	2400 KLD
5.	Waste water generation	2282KLD	1920KLD
6.	Waste water disposal & treatment	4 STPs of total capacity as 2500 KLD	4 STPs of total capacity as 2500 KLD
7.	STP Technology	SBR	SBR
8.	Solid waste generation	4500kg/day	4180kg/day

**Item No.203.03: Application for obtaining Environment Clearance steel manufacturing unit having proposed capacity 3,09,750 TPA of steel Billets & 2,90,000 TPA of Round, Bars, Squares by installing induction and Arc Furnaces at G.T. Road, Doraha, Tehsil Payal, District Ludhiana, Punjab by M/s R.N. Gupta and Company Ltd. (Proposal No. SIA/PB/IND/63870/2018).**

The project proponent has applied for Environment Clearance for steel manufacturing unit having proposed capacity 3,09,750 TPA of steel Billets & 2,90,000 TPA of Round, Bars, Squares by installing 1 induction furnace of capacity 30 TPH, 1 Arc Furnace of capacity 35 TPH and 1 Rolling mill of capacity of 40 TPH at G.T. Road, Doraha, Tehsil Payal, District Ludhiana, Punjab. Project is covered under Schedule 3(a) & Category 'B1' as per EIA Notification, 2006. The total cost of the project is Rs. 100 Cr.

The Project was issued Terms of References for carrying out EIA study for obtaining Environmental Clearance under EIA notification dated 14.09.2006 vide letter no. SEIAA/MS/2020/1982 dated 08.09.2020. The Project Proponent has now submitted the EIA report which is placed before the committee.

The Project Proponent has deposited the processing fee amounting to Rs. 10,00,000/- through NEFT No. HDFCR52021061497242664 dated 14.06.2021. Construction status report from the Regional Office 2, Ludhiana Punjab Pollution Control Board was obtained vide e-mail dated 15.04.2019 at the time of issuance of ToR. As per the report, no construction activity was carried out. Further, Punjab Pollution Control Board vide letter no. 12476 dated 11.06.2021 has forwarded the proceedings of the public hearing conducted on 23.03.2021 and as per the said forwarding letter, the construction status of the industry is given as under:

*"The Project Proponent has already constructed three side boundary wall of the project and also provided main gate. The Project Proponent has not started any construction activity at the site. Presently, wheat crops were observed in the proposed site."*

**Deliberations during 203<sup>rd</sup> meeting of SEAC held on 05.07.2021.**

The meeting was attended by the following:

1. Sh. Jagjit Singh Kalsi, Manager, on behalf of Project Proponent.
2. Sh. Sital Singh, EIA coordinator, M/s Chandigarh Pollution Testing Laboratory, E-126, Phase-VII, Industrial Area, Mohali.

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

1.	Nature of project	Environmental Clearance for new project																							
2.	Category/ Activity	(a) B-1 (b) Metallurgical Industries (ferrous & nonferrous) (8), Schedule 3(a) as per EIA notification-2006.																							
3.	Whether the project falls in the critical polluted area notified by MoEF&CC/ CPCB	As per the letter no. 682 dated 02.07.2020 issued by Punjab Pollution Control Board, the project site falls beyond 5km from M.C. limit of Ludhiana.																							
4.	a. Total Project Cost b. Total project cost breakup at current price level	a. Total Project Cost (In Crores): Rs. 100 Crore b. Total project cost breakup at current price level duly certified by Chartered Engineer/ Approved valuer or Chartered Accountant is following:																							
		<table border="1"> <thead> <tr> <th>Sr.no.</th> <th>DESCRIPTION</th> <th>TOTAL COST (RS. IN CRORES)</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Cost of land at current price level &amp; area in sqm</td> <td>Rs 9 Crores</td> </tr> <tr> <td>2.</td> <td>Buildings</td> <td>Rs 25 Crores</td> </tr> <tr> <td>3.</td> <td>Plant &amp; Machinery</td> <td>Rs 55 Crores</td> </tr> <tr> <td>4.</td> <td>Pollution control measures</td> <td>Rs 3 Crores</td> </tr> <tr> <td>5.</td> <td>Others &amp; miscellaneous</td> <td>Rs 8 Crores</td> </tr> <tr> <td colspan="2"><b>TOTAL</b></td> <td><b>RS 100 Crores</b></td> </tr> </tbody> </table>			Sr.no.	DESCRIPTION	TOTAL COST (RS. IN CRORES)	1.	Cost of land at current price level & area in sqm	Rs 9 Crores	2.	Buildings	Rs 25 Crores	3.	Plant & Machinery	Rs 55 Crores	4.	Pollution control measures	Rs 3 Crores	5.	Others & miscellaneous	Rs 8 Crores	<b>TOTAL</b>		<b>RS 100 Crores</b>
Sr.no.	DESCRIPTION	TOTAL COST (RS. IN CRORES)																							
1.	Cost of land at current price level & area in sqm	Rs 9 Crores																							
2.	Buildings	Rs 25 Crores																							
3.	Plant & Machinery	Rs 55 Crores																							
4.	Pollution control measures	Rs 3 Crores																							
5.	Others & miscellaneous	Rs 8 Crores																							
<b>TOTAL</b>		<b>RS 100 Crores</b>																							
5.	Amount of Processing Fee deposited by NEFT/DD	Fee amount of Rs. 10,00,000/- submitted through NEFT vide UTR no.- HDFCR52021061497242664 dated 14.06.2021.																							
6.	Details of technology proposed for control of emissions & effluents generated from project	<table border="1"> <thead> <tr> <th>Sr. No.</th> <th>Details of proposed APCD/STP</th> <th>Technology</th> <th>Capacity</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>APCD</td> <td>Pulse Jet Bag Filter with Offline Cleaning</td> <td>--</td> </tr> <tr> <td>2</td> <td>STP</td> <td>MBBR</td> <td>20 KLD</td> </tr> </tbody> </table>			Sr. No.	Details of proposed APCD/STP	Technology	Capacity	1	APCD	Pulse Jet Bag Filter with Offline Cleaning	--	2	STP	MBBR	20 KLD									
Sr. No.	Details of proposed APCD/STP	Technology	Capacity																						
1	APCD	Pulse Jet Bag Filter with Offline Cleaning	--																						
2	STP	MBBR	20 KLD																						
7.	Plot Area Details	<table border="1"> <tbody> <tr> <td><b>Total Area</b></td> <td><b>102304.5 m<sup>2</sup></b></td> </tr> <tr> <td>Green area</td> <td>35725.8 m<sup>2</sup></td> </tr> </tbody> </table>			<b>Total Area</b>	<b>102304.5 m<sup>2</sup></b>	Green area	35725.8 m <sup>2</sup>																	
<b>Total Area</b>	<b>102304.5 m<sup>2</sup></b>																								
Green area	35725.8 m <sup>2</sup>																								

8.	Type of project land as per master plan (Industrial/Agriculture/Any other),	As per master plan of Ludhiana, site falls in Industrial Zone.		
9.	ToR Compliance Report	Submitted.		
10.	Compliance Report of Public Hearing Proceedings (Action Taken)			
	<b>S. No.</b>	<b>Name of address of the person</b>	<b>Detail of query /statement/information /clarification sought by the person present</b>	<b>Reply of the query /statement / information/clarification given by the proponent.</b>
	1.	Harteg Singh S/o Majeet Singh, R/o of village- Rajgarh, Doraha	When casting is done some of the hard metals get mixed in the soil. During the rainy season these metals get mixed with the rainwater, which are not cleaned by most of the factories and the contaminated water is discharged as it is. When this water goes underground, a lot of hard metals like cadmium, nickel get mixed in the potable drinking water, which has already led to cancer, skin problems in their villages. We have got a survey conducted at our own level in which 40% of the people in our village have skin problems and at the same time one or two patients die of cancer in every 2 months. We need to be clear about how you will treat rainwater which contains metals generated from casting and what is the solution to this problem?	<p>We will collect rainwater in a tank, which will be used for cooling purpose or for other activities such as sprinkling or watering of plants.</p> <p>No chemicals will be used in this factory. As I have said earlier only domestic effluent shall be generated from consumption fresh water for domestic use, which shall be properly treated in the STP. The treated domestic effluent shall be utilized in the green belt development.</p> <p>There will be no use of chemicals in this factory which will cause ground water contamination. As far as rainwater is concerned, we will collect and reuse it as much as we can. There is nothing in this collected water that can spoil the underground water.</p>
				<p>Rainwater harvesting will be done.</p> <p><u>Budget:</u> Rs. 5 lakhs under EMP Cost</p> <p>STP of 20 KLD will be installed.</p> <p><u>Budget:</u> Rs. 20 lakhs under EMP cost</p>
11.	a. Whether any litigation pending against the project or any	No (undertaking in this regard submitted by the Project Proponent)		



	<p>direction/order passed by SPCB/ Court of Law against the project, if so, details there of shall also be included.</p> <p>b. 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.</p>	<p>No (undertaking in this regard submitted by the Project Proponent)</p>												
12.	Raw material details:													
	<table border="1"> <thead> <tr> <th data-bbox="261 1003 847 1060">Raw Materials</th> <th data-bbox="847 1003 1356 1060">Proposed (TPA)</th> </tr> </thead> <tbody> <tr> <td data-bbox="261 1060 847 1129">MS Scrap &amp; Ferro alloys</td> <td data-bbox="847 1060 1356 1129">3,40,725</td> </tr> </tbody> </table>	Raw Materials	Proposed (TPA)	MS Scrap & Ferro alloys	3,40,725									
Raw Materials	Proposed (TPA)													
MS Scrap & Ferro alloys	3,40,725													
13.	Production Capacity details:													
	<table border="1"> <thead> <tr> <th data-bbox="261 1213 1052 1270">Product Name</th> <th data-bbox="1052 1213 1356 1270">Proposed (TPA)</th> </tr> </thead> <tbody> <tr> <td data-bbox="261 1270 1052 1327">Steel Ingots/Billets</td> <td data-bbox="1052 1270 1356 1327">3,09,750</td> </tr> <tr> <td data-bbox="261 1327 1052 1413">MS Round, Bars, &amp; Squares</td> <td data-bbox="1052 1327 1356 1413">2,90,000</td> </tr> </tbody> </table>		Product Name	Proposed (TPA)	Steel Ingots/Billets	3,09,750	MS Round, Bars, & Squares	2,90,000						
Product Name	Proposed (TPA)													
Steel Ingots/Billets	3,09,750													
MS Round, Bars, & Squares	2,90,000													
14.	Details of major productive machinery/plant:													
	<table border="1"> <thead> <tr> <th data-bbox="261 1497 427 1549">S. No.</th> <th data-bbox="427 1497 862 1549">Description</th> <th data-bbox="862 1497 1469 1549">Proposed</th> </tr> </thead> <tbody> <tr> <td data-bbox="261 1549 427 1606">1.</td> <td data-bbox="427 1549 862 1606">Induction Furnace</td> <td data-bbox="862 1549 1469 1606">1X30TPH @ 12 heats/day</td> </tr> <tr> <td data-bbox="261 1606 427 1663">2.</td> <td data-bbox="427 1606 862 1663">Arc Furnace</td> <td data-bbox="862 1606 1469 1663">1X35TPH @ 15 heats/day</td> </tr> <tr> <td data-bbox="261 1663 427 1759">3.</td> <td data-bbox="427 1663 862 1759">Rolling Mill</td> <td data-bbox="862 1663 1469 1759">40 Ton per hour</td> </tr> </tbody> </table>		S. No.	Description	Proposed	1.	Induction Furnace	1X30TPH @ 12 heats/day	2.	Arc Furnace	1X35TPH @ 15 heats/day	3.	Rolling Mill	40 Ton per hour
S. No.	Description	Proposed												
1.	Induction Furnace	1X30TPH @ 12 heats/day												
2.	Arc Furnace	1X35TPH @ 15 heats/day												
3.	Rolling Mill	40 Ton per hour												
15.	Manpower requirement	350												

16.	Details of Emissions			
	<b>Sr.no.</b>	<b>Source</b>	<b>Fuel</b>	<b>APCD</b>
	1.	Induction Furnace 1X30 TPH @12 heats	Electricity	Pulse jet bag filter with offline cleaning technology
	2.	Arc Furnace 1X35 TPH @15 heats	Electricity	Pulse jet bag filter with offline cleaning technology
	3.	DG Set	HSD	Canopy cover with adequate stack height
17.	Hazardous/Non-Hazardous Waste Generation details & their storage, utilization and its disposal. Copy of Agreement clearly mentioning the Quantity			
	<b>Sr. no.</b>	<b>Waste Category</b>	<b>Proposed</b>	<b>Disposal</b>
	1.	35.1 Flue gas Cleaning residue	1.97 ton/day or 689.5 ton/annum	M/s. Madhav KRG Limited.
	2.	5.1 Used oil/Spent oil	0.05kl/ Annum	Lubricant within the industry
18.	Solid Waste Generation and its mode of disposal:			
	<b>S. No.</b>	<b>Type of waste</b>	<b>Proposed Quantity</b>	<b>Disposal method</b>
	1.	Slag	49TPD	M/s Mandeep Puri & Co., Village Pawa, Ludhiana
19.	Waste water generation & its disposal Arrangement in Operation Phase:			
	<b>S. No.</b>	<b>Description</b>	<b>Proposed</b>	<b>Mitigation Measures/Remarks</b>
	1.	Industrial Effluent	Nil	No generation of industrial effluent
	2.	Domestic	14.0 KLD	STP of 20.0 KLD will be installed & treated water used in Plantation/Green area

20.	Breakup of Water Requirements & its source in Operation Phase:	
	<b>S. N</b>	<b>Description</b>
	1.	Domestic water demand
	2.	Make up water demand for cooling purpose
	<b>Total</b>	
		<b>62.5</b>
	3.	Green area water demand
	Sources of water:	
	<b>S. No.</b>	<b>Purposes</b>
	1.	Domestic
	2.	Make-up water demand for cooling
	4.	Green area water demand
		<b>Source of water</b>
		Ground water
		Treated water
		Treated water
21.	Water balance chart for Summer, Rainy & Winter seasons	Submitted.
22.	Rain Water utilization proposal during monsoons	A tank of capacity 202 KL has been proposed for collection of the rain water and the collected rain water shall be reused for plantation.
23.	Rain Water Harvesting proposal (within/outside premises) alongwith NOC from concerned village Sarpanch	The industrial unit has adopted one village pond for rain water harvesting at Village Begowal. The total recharge potential will be 43,750 m <sup>3</sup> . Further, all the waste water of nearby Begowal village which will be directed towards the village pond will be first treated in trenches through CSIR-NEERI's Phytoid waste water treatment technology and overflow water will be discharged into the pond.
24.	Block wise details of no. of trees to be planted in proposed greenbelt area (1500 Trees to be planted @ 10000 Sqm area):	<p>Area allocation for green belt:33% i.e. 35, 725.8 m<sup>2</sup> of total area as per MoEF&amp;CC stipulated norms will be developed as the green belt. A total of 5400 trees will be planted.</p> <p>Selection of plant species: tree species are Shisham, Mango, Safeda, and Kachnar. Tree species like Mulberry, Bungania and False Ashok will be planted.</p> <p>The plantation in an area of 35, 725.8 m<sup>2</sup> will be done in phased manner with details as under:</p> <p>Phase I (June 2022) – 1100 plants will be planted  Phase II (June 2023) – 1100 plants will be planted  Phase III (June 2024)- 1100 plants will be planted  Phase III (June 2025)- 1100 plants will be planted  Phase III (June 2026)- 1000 plants will be planted</p> <p>Budgetary allocation: ₹. 21.5 Lakhs</p>

25.	a. Energy requirements & savings:	<table border="1"> <thead> <tr> <th>S. No.</th> <th>Description</th> <th>Unit</th> <th colspan="2">Proposed</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Power load</td> <td>MW</td> <td colspan="2">30</td> </tr> <tr> <td></td> <td>Any other</td> <td>--</td> <td colspan="2">--</td> </tr> </tbody> </table>				S. No.	Description	Unit	Proposed		1.	Power load	MW	30			Any other	--	--																																														
	S. No.	Description	Unit	Proposed																																																													
1.	Power load	MW	30																																																														
	Any other	--	--																																																														
	b. Energy saving measures to be adopted within industry:	<p><u>Energy Saving measures:</u></p> <p>a) LEDs will be used in place of CFL b) Solar lights will be used for lighting the streets</p>																																																															
26.	EMP Budget details:																																																																
<table border="1"> <thead> <tr> <th>S. No.</th> <th>Title</th> <th>Capital Cost Rs. Lakh</th> <th colspan="2">Recurring Cost Rs. Lakh</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Pollution Control during construction stage</td> <td>---</td> <td colspan="2">6.0</td> </tr> <tr> <td>2</td> <td>Air Pollution Control (Installation of APCD)</td> <td>140.0</td> <td colspan="2">10.0</td> </tr> <tr> <td>3</td> <td>Water Pollution Control (Installation of STP @ 20 KLD)</td> <td>20.0</td> <td colspan="2">2.50</td> </tr> <tr> <td>4</td> <td>Green Belt development</td> <td>32.5</td> <td colspan="2">10.0</td> </tr> <tr> <td>5</td> <td>Noise Pollution Control</td> <td>2.0</td> <td colspan="2">0.20</td> </tr> <tr> <td>6</td> <td>Solid/ Hazardous Waste Management</td> <td>5.0</td> <td colspan="2">1.00</td> </tr> <tr> <td>7</td> <td>Environment Monitoring and Management</td> <td>--</td> <td colspan="2">2.0</td> </tr> <tr> <td>8</td> <td>Occupational Health, Safety and Risk Management</td> <td>8.0</td> <td colspan="2">1.00</td> </tr> <tr> <td>9</td> <td>RWH</td> <td>10.0</td> <td colspan="2">0.60</td> </tr> <tr> <td>10</td> <td>Miscellaneous</td> <td>3.0</td> <td colspan="2">--</td> </tr> <tr> <td></td> <td><b>TOTAL</b></td> <td><b>220.5 lakh</b></td> <td colspan="2"><b>33.3 Lakh</b></td> </tr> </tbody> </table>						S. No.	Title	Capital Cost Rs. Lakh	Recurring Cost Rs. Lakh		1	Pollution Control during construction stage	---	6.0		2	Air Pollution Control (Installation of APCD)	140.0	10.0		3	Water Pollution Control (Installation of STP @ 20 KLD)	20.0	2.50		4	Green Belt development	32.5	10.0		5	Noise Pollution Control	2.0	0.20		6	Solid/ Hazardous Waste Management	5.0	1.00		7	Environment Monitoring and Management	--	2.0		8	Occupational Health, Safety and Risk Management	8.0	1.00		9	RWH	10.0	0.60		10	Miscellaneous	3.0	--			<b>TOTAL</b>	<b>220.5 lakh</b>	<b>33.3 Lakh</b>	
S. No.	Title	Capital Cost Rs. Lakh	Recurring Cost Rs. Lakh																																																														
1	Pollution Control during construction stage	---	6.0																																																														
2	Air Pollution Control (Installation of APCD)	140.0	10.0																																																														
3	Water Pollution Control (Installation of STP @ 20 KLD)	20.0	2.50																																																														
4	Green Belt development	32.5	10.0																																																														
5	Noise Pollution Control	2.0	0.20																																																														
6	Solid/ Hazardous Waste Management	5.0	1.00																																																														
7	Environment Monitoring and Management	--	2.0																																																														
8	Occupational Health, Safety and Risk Management	8.0	1.00																																																														
9	RWH	10.0	0.60																																																														
10	Miscellaneous	3.0	--																																																														
	<b>TOTAL</b>	<b>220.5 lakh</b>	<b>33.3 Lakh</b>																																																														
<p>A duly constituted EMC comprises the following:</p> <ol style="list-style-type: none"> <li>1. Owner/ Director</li> <li>2. GM (Works)</li> <li>3. Environment Consultant</li> </ol>																																																																	

SEAC was satisfied with the presentation and took a copy of the same on record.

After detailed deliberations, SEAC decided to award '**Silver Grading**' to the project proposal under category B1, Activity 3(a) as per EIA notification 2006 and to forward the application to SEIAA with the recommendations to grant Environmental Clearance for steel manufacturing unit having proposed capacity 3,09,750 TPA of steel Billets & 2,90,000 TPA of Round, Bars, Squares by installing 1 induction furnace of capacity 30 TPH, 1 Arc Furnace of capacity 35 TPH and 1 Rolling mill of capacity of 40 TPH at G.T. Road, Doraha, Tehsil Payal, District Ludhiana, Punjab M/s R.N. Gupta and Company Ltd., as per the details

mentioned in the Form, EIA report, EMP & subsequent presentation /clarifications made by the Project Proponent and his Consultant subject to conditions as under:

**I. Statutory compliance:**

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

**II. Air quality monitoring and preservation**

- i. The project proponent shall install 24x7 continuous emission monitoring system at the inlet as well as at the outlet (stack) of each APCD to monitor the SPM concentration with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R 277 (E) dated 31<sup>st</sup> March 2012 (applicable to IF/EAF) as amended from time to time; S.O. 3305 (E) dated 7th December 2015 (Thermal Power Plants) as amended from time to time) and connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- ii. The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through laboratories recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- iii. The project proponent shall install a system to carry out Manual Ambient Air Quality monitoring for parameters relevant to the main pollutants released (e.g. PM<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. The project proponent shall adhere to 'Zero Liquid Discharge'.
- iii. Sewage Treatment Plant of capacity 20 KLD shall be provided for treatment of domestic wastewater to meet the prescribed standards.
- iv. Garland drains and collection pits shall be provided for each stock pile to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run off.
- v. The project proponent shall practice rainwater harvesting to the maximum possible extent. For this, a pond at Village- Mehlon, District- Ludhiana having recharge potential of volume @ 47,250m<sup>3</sup> shall be adopted to recharge the water @ 43,750m<sup>3</sup>/annum. As an additional safety measure, the stream carrying waste water of the village shall be diverted in one corner of Phytoid plants trench (designed based on the technology developed by CSIR-NEERI's) divided into different parts, the overflow of each chamber shall be allowed to enter into another chamber which will ultimately lead to the purification of water and collected into the pond to avoid any contamination of ground water aquifer. Pond water will percolate through natural strata (without injection) to augment the ground water and remaining water shall be used for irrigation purposes by pumping method in the nearby fields.

- vi. A tank of 202 KLD shall be constructed for inside rain water harvesting using roof top of the project site.
- vii. The project proponent shall make efforts to minimize water consumption in the steel plant complex by segregation of used water, practicing cascade use and by recycling treated water.

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

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

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

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

#### **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 35,725.80 Sqm (equal to 33% of the plant area) with tree species in accordance with SEIAA guidelines. The project proponent shall ensure planting of 5400 plants in the project area at the identified location with plants of native species preferably having broad leaves. The size of the plant thus planted should not be less than 3 ft and each plant shall be protected with a fence and properly maintained. The project proponent shall make adequate provisions of funds to ensure maintenance of the plants for a further period of three years. The plants shall be protected and maintained by the project proponent or RWA, as the case may be, even after three years

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

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

## **IX. Environment Management Plan**

- i. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental/ forest/ wildlife norms/conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions to all

/ or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.

- ii. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of Senior Executive, who will directly report to the head of the organization.
- iii. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. The project proponent shall spend a minimum amount of Rs 220.5 Lacs towards the capital cost and Rs 33.3 Lacs/annum towards recurring cost including the environmental monitoring cost for the implementation of EMP as proposed in following EMP plan.

<b>S. No.</b>	<b>Title</b>	<b>Capital Cost Rs. Lakh</b>	<b>Recurring Cost Rs. Lakh</b>
1	Pollution Control during construction stage	--	6.0
2	Air Pollution Control (Installation of APCD)	140.0	10.0
3	Water Pollution Control (Installation of STP @ 20 KLD)	20.0	2.50
4	Green Belt development	32.5	10.0
5	Noise Pollution Control	2.0	0.20
6	Solid/ Hazardous Waste Management	5.0	1.0
7	Environment Monitoring and Management	--	2.0
8	Occupational Health, Safety and Risk Management	8.0	1.0
9	RWH	10.0	0.60
10	Miscellaneous	3.0	--
	<b>TOTAL</b>	<b>220.5 lakh</b>	<b>33.3 Lakh</b>
<b>CER Activities</b>		<b>Rs. 10 Lakhs</b>	

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

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

## **XI. Validity**

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

## **XII. Miscellaneous**

- i) The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition, this shall also be displayed in the project proponent's website permanently.
- ii) The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
- iii) The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
- iv) The project proponent shall monitor the criteria pollutants level namely; PM10, 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 plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
- xi) Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
- xii) The SEIAA/Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
- xiii) The SEIAA/ Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time-bound manner shall implement these conditions.
- xiv) The Regional Office of this Ministry and Punjab Pollution Control Board shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office and PPCB by furnishing the requisite data / information/monitoring reports.
- xv) The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of

Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.

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

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

- i) The project proponent shall install Side Suction Hood followed by Pulse-jet Bag filter with offline cleaning technology as APCD as per the amount indicated in the revised Environment Management Plan. Further, they will install APCD of flow rate 1,25,000m<sup>3</sup>/hr each for 1no. proposed induction furnace (30TPH) and will install APCD of flow rate 1,50,000m<sup>3</sup>/hr for 1no. proposed arc furnace (35TPH).
- ii) The project proponent shall install 24x7 continuous online SPM monitoring system at the inlet & outlet of APCD to monitor and achieve the suspended particulate matter (SPM) emission standards as prescribed by CPCB/SPCB.
- iii) The project proponent shall submit monthly summary report of continuous stack emission (inclusive of data of continuous SPM monitoring at inlet & outlet of APCD before stack) and air quality monitoring and results of manual stack monitoring and manual monitoring of air quality/ fugitive emissions to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.
- iv) The project proponent shall obtain NOC from CGWA for abstraction of ground water @ 62.5KLD to meet the requirement of Industrial, domestic & green belt.
- v) The project proponent shall construct rain water tank of capacity 202KLD to store rain water run off generated from the roof top during monsoon season within its premises.
- vi) The project proponent shall dispose of slag @ 49.0TPD as per the agreement made with the interlocking tile manufacturing unit namely M/s Mandeep Puri & Co.
- vii) The project proponent shall dispose of APCD dust @ 1.97 TPD to TSDF site, Nimbua

- viii) The project proponent shall minimize the water consumption in the steel plant complex by segregation of used water, practicing cascade use and by recycling treated water.
- ix) The project proponent shall provide STP of 202KLD for treatment of waste water & reutilization of the treated water for non- portable use so as to achieve the zero liquid discharge condition as per the III (iv) of OM dated 09.08.2018 issued by the MoEF&CC for such units.
- x) The project proponent shall reuse of cooling tower blow down, simultaneously ensuring the standards prescribed for such purge waters. If required, necessary arrangements shall be made to keep this waste stream within the parameters required for reuse.
- xi) The project proponent shall monitor the Ground water for heavy metals in addition to routine parameters pre-monsoon and post monsoon. Atleast 3 samples i.e one from within the premises and two from outside the premises of the project shall be taken.
- xii) The project proponent shall reserve land for loading or unloading of raw material, products, slag, hazardous waste as well as for storage of these materials and the area to be reserved for parking. The area to be reserved by considering the time required for loading and unloading of vehicles for respective activities and minimum/maximum period for which storage of the above material is required in the premises. The areas for the respective activities to be marked on the layout plan.
- xiii) The project proponent shall comply with the standard operating procedures and up-gradation of suction and control arrangement for the secondary emissions as prescribed by the State Pollution Control Board or by CPCB/MoEF&CC.
- xiv) Whole of the vehicle movement area as well as approach road to the gate /weighing bridge shall be paved with pucca/metalled / cement concrete road to control the dust emissions expected from the vehicle movement.
- xv) The vehicles to be used for loading/unloading purposes shall not be parked along the roadside to avoid traffic congestion and a dedicated parking place to be provided for the same.

- xvi) The project proponent shall adopt green technologies to conserve water & energy. Also, provide abrasive resistant fire bricks in the crucibles to reduce the periodic maintenance & disposal of discarded fire bricks.
- xvii) The project proponent shall use natural gas (if available) as substitute fuel wherever possible in the existing industry/ for the expansion project.
- xviii) The project proponent shall take necessary action w.r.t. the following: -
  - a) Recovery of iron from slag before disposing of it.
  - b) Identify the areas for utilization of slag in a scientific manner and its usage in cement/construction industry/road laying etc.

**Item No: 203.04 Application for issuance of ToRs for carrying out EIA study for obtaining environmental clearance under EIA notification dated 14.09.2006 for setting up of new residential colony project namely "Suntec City by M/s the Indian Co-operative House Building Society Ltd, located at village Palheri (H.B. no. 173), Tehsil- Kharar and Village Raihmanpur (H.B no. 172), Tehsil- Majri, District- SAS Nagar, New Chandigarh, Punjab Proposal No. (SIA/PB/NCP/42854/2019).**

The project proponent has applied for issuance of TORs to M/s Suntec City for setting up of new residential colony project namely "Suntec City ", located at village Palheri (H.B. no. 173), Tehsil- Kharar and Village Raihmanpur (H.B no. 172), Tehsil- Majri, District- SAS Nagar, New Chandigarh, Punjab with proposed built-up area as 2,08,819.52 Sqm. The Project is covered under Activity 8(b) as per EIA notification-2006.

It has been observed that the said case was already processed by SEAC in its 196<sup>th</sup> meeting held on 01.03.2021, wherein it was decided to forward this case to SEIAA with the recommendation to allow SEAC to process cases of minor violation in the interest of development of State and to avoid unnecessary litigation. However, in the online system the case is shown pending at the SEAC level due to some technical reasons.

Lastly, the case was considered by SEIAA in its 183<sup>rd</sup> meeting held on 15.06.2021, which was attended by Sh. Devi Pal Sharma and Dr. Sandeep Garg Environmental Consultant on behalf of the promoter company. In the said meeting, it was observed that as per the decision of the 12<sup>th</sup> Joint Committee that another reminder may be issued to the Ministry for getting the clarification. In case, clarification is still not received, matter may be re-examined and decision taken whether the procedure prescribed in MoEF& CC Notification dated 14.03.2017 for dealing with the violation cases (which is continuing to be adopted by the MoEF&CC for post 14.03.2018 violations) may also be adopted by SEIAA/SEAC, Punjab for such fresh violations which come to notice after 14.03.2018. After detailed deliberations, SEIAA decided to defer the case for a period of 01 month during which efforts should continue to be made to get the required clarification from MoEF&CC.

**Deliberations during 203<sup>rd</sup> meeting of SEAC held on 05.07.2021**

SEAC observed that no action was pending on behalf of SEAC, however, the case was reflected in the pendency list of SEAC on the Parivesh Portal due to technical reasons.



After deliberations, SEAC decided to forward the case to SEIAA online for taking further necessary action.

**Item No. 203.05: Application for issuance of Environment Clearance under notification 14.09.2006 for Proposed Project for Manufacturing of Active Pharmaceuticals Ingredients (API) by M/s MR PHARMACHEM located at Plot No 61, Industrial Focal Point, Nabha, District: Patiala, Punjab, (Proposal No. SIA/PB/IND2/203524/2021).**

The industry has proposed to produce Active Pharmaceuticals Ingredients (API). The Project Proponent has submitted all the requisite documents as per the EIA notification dated 14.09.2006.

The project proponent has applied the application as B2 project in light of O.M dated 27.03.2020, 21.05.2020 & 15.10.2020, Since the project has applied for obtaining Environmental Clearance before 30.03.2021(on 13.03.2021), the project can be considered as B2 category project.

Environmental Clearance was requested to send the latest construction status report of the project through e-mail on 04.04.2021. Punjab Pollution Control Board vide letter no. 2612 dated 10.05.2021 has sent the latest construction status report and the contents of the same are given as under:

*"In reference to above referred letter, it is intimated that the site was visited by officer of the Board on 17.04.2021 and the point wise reply of the comments sought by SEIAA from this office relating to the subject cited industry through the referred email, as observed during visit, is given as under:*

<b>Sr. no.</b>	<b>Report sought by SEIAA</b>	<b>Reply of the Board</b>
1.	<i>Construction status of the proposal.</i>	<i>The industry has not started any construction activity till the date of the visit. It is pertinent to mention here that the whole focal point is lying vacant only STP and water overhead tank with small office building has been constructed along with road network and electric power cables.</i>
2.	<i>Status of physical structures within 500m radius of the site including the status of industries, if any.</i>	<i>There is a STP installed for focal point, water overhead tank with small office and quarter of Rural Development &amp; Panchayat Department (ਪੇਂਡੂ ਵਿਕਾਸ ਅਤੇ ਪੰਚਾਇਤ ਵਿੱਭਾਗ) and Godowns of Pungrain, located within 500m radius of the site.</i>

3.	<i>Whether the site meets with the prescribed criteria for setting up of such project.</i>	<i>The site is situated in the industrial focal point (new) of Nabha, which is designated area. As general sitting guidelines area applicable for such type of units, therefore, the site is suitable for establishment of the industry.</i>
----	--	--

*Further, the industry will generate 9.9 KLD of wastewater from the process and has proposed to install ETP plant of capacity 5 KLD, followed by RO plant of capacity 500 Ltr/hour. The capacity of the ETP plant needs to be rechecked as ETP of capacity 5 KLD shall not be adequate to treat entire wastewater @ 9.9 KLD. The industry has proposed that reject from the RO plant shall be treated in MEE/ATFD. The RO permeate @ 7 KLD shall be reused in the process and @ 0.9 KLD shall be used for gardening along with @ 0.2 KLD fresh water. The domestic effluent @ 0.7 KLD shall be treated in the septic tank. The industry has not mentioned any disposal of the same after treatment in septic tank. As such industry may be advised to utilize the same on to land for plantation.”*

### **1.0 Deliberations during 202<sup>nd</sup> meeting of SEAC held on 21.06.2021.**

The meeting was attended by the following:

1. Mr. Dinesh Inder, Managing Partner, on behalf of Project Proponent.
2. Mr. Megha Shyam, EIA Coordinator, M/s Fulgro Environmental & Engineering Services India Pvt. Ltd.

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

1.	Nature of project	Environmental Clearance for proposed project
2.	Category/ Activity	B2 5(f)- 'Synthetic Organic Chemicals Industry' – API
3.	Whether the project falls in the critical polluted area notified by MoEF&CC /CPCB.	No. The project does not fall in the critical polluted area notified by MoEF&CC/CPCB.

4.	Total Project Cost (In Crores):	<p>(a) Total Project Cost (In Crores): Total estimated cost of the unit is Rs. 1.821 crores.</p> <p>(b) Total project cost breakup is given below:</p> <table border="1" data-bbox="721 312 1482 842"> <thead> <tr> <th>Sr. No.</th> <th>Description</th> <th>Cost (Rs. In Lakh)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Land</td> <td>38.30</td> </tr> <tr> <td>2</td> <td>Building &amp; Land Development</td> <td>32.40</td> </tr> <tr> <td>3</td> <td>Plant &amp; Machineries</td> <td>55.0</td> </tr> <tr> <td>4</td> <td>Working Capital</td> <td>20.40</td> </tr> <tr> <td>5</td> <td>EMP including (ETP, APCM, HWM&amp; Greenbelt etc.)</td> <td>36.00</td> </tr> <tr> <td colspan="2"><b>Total</b></td> <td><b>182.10</b></td> </tr> </tbody> </table>	Sr. No.	Description	Cost (Rs. In Lakh)	1	Land	38.30	2	Building & Land Development	32.40	3	Plant & Machineries	55.0	4	Working Capital	20.40	5	EMP including (ETP, APCM, HWM& Greenbelt etc.)	36.00	<b>Total</b>		<b>182.10</b>
Sr. No.	Description	Cost (Rs. In Lakh)																					
1	Land	38.30																					
2	Building & Land Development	32.40																					
3	Plant & Machineries	55.0																					
4	Working Capital	20.40																					
5	EMP including (ETP, APCM, HWM& Greenbelt etc.)	36.00																					
<b>Total</b>		<b>182.10</b>																					
5.	Amount of Environmental Clearance Processing Fee deposited by NEFT/DD (Rs. In Lacs)	As per Notification No. 10/167/2013-STE (5)/1510178/1 dated 27.06.2019; Rs. 10,000 per crore of project cost needs to be paid as application processing fees. Thus, amount of Rs. 20,000/- (as project cost is Rs. 1.821 Crores) has been submitted vide UTR No. P152210110548775 dated 01/06/2021.																					
6.	Plot Area Details	<table border="1" data-bbox="724 1209 1479 1402"> <thead> <tr> <th>Details</th> <th>Area (sq. ft.)</th> <th>Area (sq.mtr.)</th> </tr> </thead> <tbody> <tr> <td>Total area</td> <td>9000</td> <td>836.1204</td> </tr> <tr> <td>Greenbelt Area</td> <td>2960.08</td> <td>274.9981</td> </tr> </tbody> </table>	Details	Area (sq. ft.)	Area (sq.mtr.)	Total area	9000	836.1204	Greenbelt Area	2960.08	274.9981												
Details	Area (sq. ft.)	Area (sq.mtr.)																					
Total area	9000	836.1204																					
Greenbelt Area	2960.08	274.9981																					
7.	Type of project land as per master plan (Industrial/ Agriculture/ Any other), If non-industrial land then the details of Land Use Certificate / permissibility Certificate from Competent Authority (DTP/CTP) intimating land use pattern of the project site as per proposals of Master Plan of the area. (Submitted/Not Submitted)	Project falls in Industrial Focal point, Nabha of PSIEC.																					

8.	ToR Compliance Report	TOR is not applicable as project is being submitted in Cat. B2 project.																														
9.	<p>Whether any litigation pending against the project or any direction/order passed by SPCB/ Court of Law against the project, if so, details there of shall also be included.</p> <p>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.</p>	There is no litigation pending against the industry.																														
10.	Raw material details:	<p><b>The list of raw materials is mentioned below:</b></p> <table border="1" data-bbox="737 879 1458 1528"> <thead> <tr> <th data-bbox="737 879 1222 957">Name of Raw Materials</th> <th data-bbox="1222 879 1458 957">Quantity (MT/Month)</th> </tr> </thead> <tbody> <tr> <td data-bbox="737 957 1222 995">2-Amino Pyridine</td> <td data-bbox="1222 957 1458 995">0.380</td> </tr> <tr> <td data-bbox="737 995 1222 1073">4-Acetyl Aminobenzene Sulfonyl Chloride</td> <td data-bbox="1222 995 1458 1073">0.940</td> </tr> <tr> <td data-bbox="737 1073 1222 1110">Acetone</td> <td data-bbox="1222 1073 1458 1110">13.000</td> </tr> <tr> <td data-bbox="737 1110 1222 1148">Activated Carbon</td> <td data-bbox="1222 1110 1458 1148">0.300</td> </tr> <tr> <td data-bbox="737 1148 1222 1186">Chlorpheniramine</td> <td data-bbox="1222 1148 1458 1186">5.891</td> </tr> <tr> <td data-bbox="737 1186 1222 1224">Gallic Acid</td> <td data-bbox="1222 1186 1458 1224">27.792</td> </tr> <tr> <td data-bbox="737 1224 1222 1262">HCL</td> <td data-bbox="1222 1224 1458 1262">3.000</td> </tr> <tr> <td data-bbox="737 1262 1222 1299">Isopropyl Alcohol</td> <td data-bbox="1222 1262 1458 1299">58.909</td> </tr> <tr> <td data-bbox="737 1299 1222 1337">Methanol</td> <td data-bbox="1222 1299 1458 1337">35.260</td> </tr> <tr> <td data-bbox="737 1337 1222 1375">N-Octanol</td> <td data-bbox="1222 1337 1458 1375">5.714</td> </tr> <tr> <td data-bbox="737 1375 1222 1413">N-Propanol</td> <td data-bbox="1222 1375 1458 1413">5.714</td> </tr> <tr> <td data-bbox="737 1413 1222 1451">Sodium Hydroxide</td> <td data-bbox="1222 1413 1458 1451">24.160</td> </tr> <tr> <td data-bbox="737 1451 1222 1488">Tannic Acid</td> <td data-bbox="1222 1451 1458 1488">9.425</td> </tr> <tr> <td data-bbox="737 1488 1222 1526">Vegetable Tannin</td> <td data-bbox="1222 1488 1458 1526">34.000</td> </tr> </tbody> </table>	Name of Raw Materials	Quantity (MT/Month)	2-Amino Pyridine	0.380	4-Acetyl Aminobenzene Sulfonyl Chloride	0.940	Acetone	13.000	Activated Carbon	0.300	Chlorpheniramine	5.891	Gallic Acid	27.792	HCL	3.000	Isopropyl Alcohol	58.909	Methanol	35.260	N-Octanol	5.714	N-Propanol	5.714	Sodium Hydroxide	24.160	Tannic Acid	9.425	Vegetable Tannin	34.000
Name of Raw Materials	Quantity (MT/Month)																															
2-Amino Pyridine	0.380																															
4-Acetyl Aminobenzene Sulfonyl Chloride	0.940																															
Acetone	13.000																															
Activated Carbon	0.300																															
Chlorpheniramine	5.891																															
Gallic Acid	27.792																															
HCL	3.000																															
Isopropyl Alcohol	58.909																															
Methanol	35.260																															
N-Octanol	5.714																															
N-Propanol	5.714																															
Sodium Hydroxide	24.160																															
Tannic Acid	9.425																															
Vegetable Tannin	34.000																															

11.	Production Capacity details:	<p>The list of Products is mentioned below:</p> <table border="1"> <thead> <tr> <th data-bbox="716 233 1036 310">Name of Products</th> <th data-bbox="1036 233 1279 310">CAS No.</th> <th data-bbox="1279 233 1482 310">Quantity (MT/Month)</th> </tr> </thead> <tbody> <tr> <td data-bbox="716 310 1036 352">Tannic Acid BP/USP</td> <td data-bbox="1036 310 1279 352">1401-55-4</td> <td data-bbox="1279 310 1482 352">3.6</td> </tr> <tr> <td data-bbox="716 352 1036 394">Gallic Acid</td> <td data-bbox="1036 352 1279 394">149-91-7</td> <td data-bbox="1279 352 1482 394">16.2</td> </tr> <tr> <td data-bbox="716 394 1036 436">Propyl Gallate EP</td> <td data-bbox="1036 394 1279 436">121-79-9</td> <td data-bbox="1279 394 1482 436">4.0</td> </tr> <tr> <td data-bbox="716 436 1036 478">Methyl Gallate EP</td> <td data-bbox="1036 436 1279 478">99-24-1</td> <td data-bbox="1279 436 1482 478">4.0</td> </tr> <tr> <td data-bbox="716 478 1036 520">Octyl Gallate EP</td> <td data-bbox="1036 478 1279 520">1034-01-1</td> <td data-bbox="1279 478 1482 520">4.0</td> </tr> <tr> <td data-bbox="716 520 1036 562">Pyrogallol</td> <td data-bbox="1036 520 1279 562">87-66-1</td> <td data-bbox="1279 520 1482 562">16.2</td> </tr> <tr> <td data-bbox="716 562 1036 646">Chlorpheniramine Tannate</td> <td data-bbox="1036 562 1279 646">1405-56-7</td> <td data-bbox="1279 562 1482 646">16.2</td> </tr> <tr> <td data-bbox="716 646 1036 688">Sulphadiazine IP</td> <td data-bbox="1036 646 1279 688">68-35-9</td> <td data-bbox="1279 646 1482 688">1.0</td> </tr> <tr> <td colspan="2" data-bbox="716 688 1279 730"><b>Total</b></td> <td data-bbox="1279 688 1482 730">65.2</td> </tr> </tbody> </table>	Name of Products	CAS No.	Quantity (MT/Month)	Tannic Acid BP/USP	1401-55-4	3.6	Gallic Acid	149-91-7	16.2	Propyl Gallate EP	121-79-9	4.0	Methyl Gallate EP	99-24-1	4.0	Octyl Gallate EP	1034-01-1	4.0	Pyrogallol	87-66-1	16.2	Chlorpheniramine Tannate	1405-56-7	16.2	Sulphadiazine IP	68-35-9	1.0	<b>Total</b>		65.2
Name of Products	CAS No.	Quantity (MT/Month)																														
Tannic Acid BP/USP	1401-55-4	3.6																														
Gallic Acid	149-91-7	16.2																														
Propyl Gallate EP	121-79-9	4.0																														
Methyl Gallate EP	99-24-1	4.0																														
Octyl Gallate EP	1034-01-1	4.0																														
Pyrogallol	87-66-1	16.2																														
Chlorpheniramine Tannate	1405-56-7	16.2																														
Sulphadiazine IP	68-35-9	1.0																														
<b>Total</b>		65.2																														
12.	Details of Emissions	<p><b>Details of Flue Gas Emissions</b></p> <table border="1"> <thead> <tr> <th data-bbox="716 827 834 919">S. No.</th> <th data-bbox="834 827 1052 919">Stack Attached to</th> <th data-bbox="1052 827 1260 919">Stack Height</th> <th data-bbox="1260 827 1468 919">APCD</th> </tr> </thead> <tbody> <tr> <td data-bbox="716 919 834 968">1.</td> <td data-bbox="834 919 1052 968">Steam Boiler</td> <td data-bbox="1052 919 1260 1037" rowspan="2">30 (Common Stack)</td> <td data-bbox="1260 919 1468 1037" rowspan="2">Multi Cyclone Separator + Bag Filter</td> </tr> <tr> <td data-bbox="716 968 834 1037">2.</td> <td data-bbox="834 968 1052 1037">Thermo Pack</td> </tr> <tr> <td data-bbox="716 1037 834 1205">3.</td> <td data-bbox="834 1037 1052 1205">DG Set 250 KVA</td> <td data-bbox="1052 1037 1260 1205">11</td> <td data-bbox="1260 1037 1468 1205">Canopy and stack of adequate height</td> </tr> </tbody> </table> <p><b>Details of Process Gas Emissions:</b></p> <table border="1"> <thead> <tr> <th data-bbox="716 1318 821 1436">Sr. No.</th> <th data-bbox="821 1318 1013 1436">Stack Attached to</th> <th data-bbox="1013 1318 1146 1436">Stack Height</th> <th data-bbox="1146 1318 1295 1436">APCD</th> <th data-bbox="1295 1318 1468 1436">Expected Pollutants</th> </tr> </thead> <tbody> <tr> <td data-bbox="716 1436 821 1562">1.</td> <td data-bbox="821 1436 1013 1562">Solvent Recovery Facility</td> <td data-bbox="1013 1436 1146 1562">11</td> <td data-bbox="1146 1436 1295 1562">VOC Scrubber</td> <td data-bbox="1295 1436 1468 1562">VOC</td> </tr> </tbody> </table>	S. No.	Stack Attached to	Stack Height	APCD	1.	Steam Boiler	30 (Common Stack)	Multi Cyclone Separator + Bag Filter	2.	Thermo Pack	3.	DG Set 250 KVA	11	Canopy and stack of adequate height	Sr. No.	Stack Attached to	Stack Height	APCD	Expected Pollutants	1.	Solvent Recovery Facility	11	VOC Scrubber	VOC						
S. No.	Stack Attached to	Stack Height	APCD																													
1.	Steam Boiler	30 (Common Stack)	Multi Cyclone Separator + Bag Filter																													
2.	Thermo Pack																															
3.	DG Set 250 KVA	11	Canopy and stack of adequate height																													
Sr. No.	Stack Attached to	Stack Height	APCD	Expected Pollutants																												
1.	Solvent Recovery Facility	11	VOC Scrubber	VOC																												

13.	Hazardous/Non-Hazardous Waste Generation details & their storage, utilization and its disposal. Copy of Agreement clearly mentioning the Quantity	<b>Category</b>	<b>Type of Waste</b>	<b>Quantity (MT/Month)</b>	<b>Mode of Disposal</b>
		34.3	ETP Sludge	6.5	Collection, Storage and disposal at TSDF site
		37.3	MEE Salt	3	Collection, Storage and disposal at TSDF site
		28.1	Process Residue/ Distillation Residue	0.6	Collection, Storage and disposal at CHWIF site
		28.3	Spent Carbon/ Charcoal	0.3	Collection, Storage and disposal at CHWIF site
		5.1	Used/ Spent Oil	0.5	Collection, Storage and use within premises as a low grade lubricants and/ excess quantity sell to registered recycler
		33.3	Discarded Bags/ Drums/ Containers	8	Collection, Storage and sell to authorized vendor
		28.4	Off Specification Product	0.5	Collection, Storage and disposal at CHWIF site
		28.6	Spent Solvent	6	Collection, Storage and Reuse/ Recycling
14.	Solid Waste generation and its mode of disposal:	<b>Details</b>	<b>Unit</b>	<b>Proposed Quantity</b>	<b>Disposal method</b>
		Domestic Solid Waste	Kg/ day	2 Kg/day	Composting and to piggeries; for future Mechanical Composter

		Recyclable Paper	Kg/month	~28	waste is being sold to the local kabadis	
15.	Waste water generation & its disposal Arrangement in Operation Phase:	<b>S. No.</b>	<b>Purpose</b>	<b>Waste water generation Quantity (KL/Day)</b>		
		1.	Domestic	0.70		
		<b>Industrial</b>				
		1.	Process	6.00		
		2.	Boiler	0.30		
		3.	Cooling	0.50		
		4.	Washing	2.00		
		5.	Sub Total	8.80		
		<b>Grant Total</b>			<b>9.5</b>	
		<p><b>Domestic Effluent:</b> Domestic Effluent (0.7 KLD) will be disposed to septic tank / soak pit system</p> <p><b>Industrial Effluent:</b> Total Industrial Effluent consisting process effluent (6 KLD) will be sent to solvent stripper and thereafter it will be sent to MEE followed by ATFD. The MEE /ATFD condensate will be sent to Effluent Treatment Plant for further treatment and bottom residue will be disposed to a designated Common Hazardous Waste Management Facility (CHWMF). The remaining low conc. Effluent including boiler blow down (0.3 KLD), cooling purge (0.5 KLD), washing (2.0 KLD)] and MEE /ATFD condensate (7 KLD) will be treated in an on-site ETP followed by RO system. RO permeate (7.6 KLD) will be reused/ recycled and the RO reject (2.0 KLD) will be sent to above stated MEE. Thus, unit will maintain Zero Liquid Discharge (ZLD)</p>				
16.	Details of the block in which the project site is located as per CGWA guideline (Notified/ Non-Notified area and name of block)	Non-Notified area; Block- Nabha				
17.	Breakup of Water Requirements & its source in Operation Phase:	<b>Sr. No.</b>	<b>Purpose</b>	<b>Water Consumption Quantity (KL/Day) Fresh</b>		
		1.	<b>Domestic</b>	0.70		
		2.	<b>Gardening</b>	1.10		
		3.	<b>Industrial</b>			
			Process	5.00		
			Boiler	3.00		
			Cooling	5.00		



		<table border="1"> <tr> <td>Washing</td> <td>2.00</td> </tr> <tr> <td>Sub Total</td> <td>15.00</td> </tr> <tr> <td><b>Grant Total</b></td> <td><b>16.80</b></td> </tr> </table>	Washing	2.00	Sub Total	15.00	<b>Grant Total</b>	<b>16.80</b>														
Washing	2.00																					
Sub Total	15.00																					
<b>Grant Total</b>	<b>16.80</b>																					
		Sources of water: Industrial Area- a letter already submitted to PSIEC on dated 22/1/2021.																				
18.	Water balance chart for Summer, Rainy and Winter seasons (Submitted/Not Submitted)	Submitted																				
19.	Rain Water utilization proposal during monsoons (Submitted/ Not Submitted)	A proposal has been made for storage of rooftop rain water in a storage tank of capacity 18 KL and will be further re-used																				
20.	Rain Water Harvesting proposal (within/outside premises) along with NOC from concerned village sarpanch (Submitted/Not Submitted)	The Project Proponent has to proposed to adopt pond of village Baura Kalan of Nabha Block.																				
21.	Block wise details of no. of trees to be planted in proposed greenbelt area (1500 Trees to be planted @ 10000 Sqm area):	<p>Total 60 saplings will be planted</p> <table border="1"> <thead> <tr> <th>Year</th> <th>Proposed Trees</th> </tr> </thead> <tbody> <tr> <td>1<sup>st</sup> Year</td> <td>20</td> </tr> <tr> <td>2<sup>nd</sup> Year</td> <td>20</td> </tr> <tr> <td>3<sup>rd</sup> Year</td> <td>20</td> </tr> <tr> <td><b>Total</b></td> <td><b>60</b></td> </tr> </tbody> </table>	Year	Proposed Trees	1 <sup>st</sup> Year	20	2 <sup>nd</sup> Year	20	3 <sup>rd</sup> Year	20	<b>Total</b>	<b>60</b>										
Year	Proposed Trees																					
1 <sup>st</sup> Year	20																					
2 <sup>nd</sup> Year	20																					
3 <sup>rd</sup> Year	20																					
<b>Total</b>	<b>60</b>																					
22.	<p>Energy requirements &amp; savings:</p> <p>Energy saving measures to be adopted within industry:</p>	<p>a. The details of the energy are given below:</p> <table border="1"> <thead> <tr> <th>S. No.</th> <th>Description</th> <th>Unit</th> <th>Proposed</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Power load</td> <td>KW</td> <td>30</td> <td>30</td> </tr> <tr> <td>2.</td> <td>D.G sets</td> <td>KVA</td> <td>250</td> <td>250</td> </tr> </tbody> </table> <p>Submitted</p>	S. No.	Description	Unit	Proposed	Total	1.	Power load	KW	30	30	2.	D.G sets	KVA	250	250					
S. No.	Description	Unit	Proposed	Total																		
1.	Power load	KW	30	30																		
2.	D.G sets	KVA	250	250																		
23.	<p>EMP Budget details</p> <p>Details of Environment Management Cell (EMC) responsible for implementation of EMP</p>	<table border="1"> <thead> <tr> <th>Sr. No.</th> <th>Environmental Management Aspect</th> <th>Estimated Capital Cost [Rs. In Lakhs]</th> <th>Recurring Cost/Annum [Rs. In Lakhs]</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Water Pollution</td> <td>26</td> <td>12</td> </tr> <tr> <td>2.</td> <td>Air Pollution</td> <td>4.7</td> <td>0.75</td> </tr> <tr> <td>3.</td> <td>Hazardous / Solid Waste Management</td> <td>0.5</td> <td>2.0</td> </tr> <tr> <td>4.</td> <td>Noise Pollution</td> <td>0.15</td> <td>0.10</td> </tr> </tbody> </table>	Sr. No.	Environmental Management Aspect	Estimated Capital Cost [Rs. In Lakhs]	Recurring Cost/Annum [Rs. In Lakhs]	1.	Water Pollution	26	12	2.	Air Pollution	4.7	0.75	3.	Hazardous / Solid Waste Management	0.5	2.0	4.	Noise Pollution	0.15	0.10
Sr. No.	Environmental Management Aspect	Estimated Capital Cost [Rs. In Lakhs]	Recurring Cost/Annum [Rs. In Lakhs]																			
1.	Water Pollution	26	12																			
2.	Air Pollution	4.7	0.75																			
3.	Hazardous / Solid Waste Management	0.5	2.0																			
4.	Noise Pollution	0.15	0.10																			

		5.	Fire & safety, and Occupational Health	3.5	0.5
		6.	AWH Monitoring	--	3
		7.	Green Belt	0.50	0.25
		8.	Miscellaneous	0.65	1.0
		<b>TOTAL</b>		<b>36.00</b>	<b>19.60</b>
		Managing Direction to be responsible for the implementation and monitoring of the EMP			
24.	Project area involves forest land, (Yes/No), <b>If yes</b> , then details of the the extent of area involved and copy of permission & approval for the use of forest land	No, industry falls in Industrial Focal Point of PSIEC, Nabha.			

SEAC raised the following observations to the Project Proponent to which he replied as under:

Sr. No.	Observations	Reply
1.	Area in KML file was found to be 577 Sqm. Whereas, the area as per the proposal is 836.12 sqm. and the Project Proponent is required to submit proper KML file.	The project proponent sought time to check the same and to submit the revised KML file.
2.	The Project Proponent was asked to propose ETP of adequate capacity for low concentration and high concentration effluents including treated effluent to be recycled with flow chart diagram. Further, proper water balance is also required to be submitted.	The Project Proponent sought some time to submit the same.
3.	The Project Proponent is required to submit proper layout plan after marking the green area.	The Project Proponent sought some time to submit the same.
4.	The Project Proponent is required to submit the details in which the rainwater harvested within the premises will be utilized.	The Project Proponent sought some time to submit the same.
5.	The Project Proponent was asked to revise the cost for control of water pollution, plantation	The Project Proponent sought some time to submit the same.

	cost @ Rs. 600/- per plant to be planted in first two years and subsequent maintenance cost for 3 years in the Environment Management Plan. Also, the Project Proponent is required to reschedule plantation from 3 years to 2 years. The other cost mentioned in the Environment Management Plan also need to be checked.	
--	--	--

SEAC accepted the request of the Project Proponent and decided to defer the case till the next meeting subject to submission of reply from the Project Proponent.

The Project Proponent has now submitted the reply of the observations raised by the SEAC in the meeting held on 21.06.21. The reply is attached at **Annexure-A** of the agenda for kind perusal.

### **Deliberations during 203<sup>rd</sup> meeting of SEAC held on 05.07.2021.**

The meeting was attended by the following:

1. Sh. Dinesh Inder, Managing Partner, on behalf of Project Proponent.
2. Sh. Sanjeev Kumar, FAE, M/s Fulgro Environment Engineering and Services India Pvt. Ltd

SEAC observed that the Project Proponent has submitted the revised KML file with area as 836.12 m<sup>2</sup>. Further, the Project Proponent has proposed ETP of 10 KLD capacity to treat the low concentration and high concentration effluents including recycling of treated effluent. The Project Proponent has also submitted revised water balance and revised layout plan after marking the green belt. Further, it has also submitted the details of rain water collection & utilization and revised Environment Management Plan.

The reply submitted by the Project Proponent was perused by the Committee and found incomplete with respect to the following:

1. NOC from the village Sarpanch for the adoption of pond for rain water recharging.
2. The Project Proponent in the water balance proposed to utilize 5KLD of water in the process with wastewater generation as 5.6 KLD after solvent stripper. The Project Proponent after RO has proposed to obtain 80% of the water as RO permeate and remaining 20% as RO reject, which seems to be on the higher side. The same needs to be checked by the Project Proponent.
3. The Project Proponent in the Hazardous Waste generation and disposal proposed that process residue/ distillation residue, spent carbon/ charcoal and off specification products as per category 28.1, 28.3 & 28.4 will be collected, stored and disposed of at CHWIF site. The disposal of this hazardous waste needs to be mentioned clearly by the Project Proponent.

4. The cost proposed by the Project Proponent in the Environment Management Plan for water pollution control seems to be on very less in view of the proposed ETP consisting of two stage RO and MEE. The same need to be checked.

SEAC decided to defer the case till the next meeting subject to submission of reply by the Project Proponent.

**Table item. 1: Application for amendment and extension in the Environmental clearance under EIA notification dated 14.09.2006 for development a residential Colony namely Florence City in the revenue estate of village Manewal, Rara, Tehsil Pathankot, District Gurdaspur by M/s Nitin Mahajan Developers & Colonizers Ltd. (Proposal No. SIA/PB/MIS/153065/2020).**

SEAC was apprised that the project proponent was granted Environmental Clearance vide no. 2320 dated 25.07.2014 for development a residential Colony namely Florence City in the revenue estate of village Manewal, Rara, Tehsil Pathankot, District Gurdaspur.

Now, the project proponent has applied for obtaining amendment as well as extension in the Environmental Clearance granted to it. The Environment Clearance granted to the Project Proponent is valid upto 24.07.2021 as per the O.M dated 12.04.2016. Further vide OM dated 18.01.2021, the MoEF has mandated that the period from the 1 April, 2020 to the 31<sup>st</sup> March, 2021 shall not be considered for the purpose of calculation of the period of validity of prior Environmental Clearance granted under the provisions of this notification in view of outbreak of Corona Virus and subsequent lockdown (total or partial) declared for its control, however, all activities undertaken during this period in respect of the Environmental Clearance granted shall be treated as valid. Thus, the EC of project proponent can be treated to be valid upto 24.07.2022.

The case was considered by SEAC in its 202<sup>nd</sup> meeting held on 21.06.2021, wherein it was decided to recommend SEIAA to grant amendment in the Environmental Clearance issued vide letter no. 2320 dated 25.07.2014 with amendments as proposed. However, the request of the Project Proponent to grant extension in the Environment Clearance was not considered by the SEAC.

Now, the Project Proponent vide e-mail dated 02.07.2021 has submitted that the execution work of the project has been completed to the extent of only 21% and the project work cannot be completed within the validity period of Environment Clearance i.e. before 24.07.2022. He therefore requested to consider the request of the Project Proponent to grant extension in the Environment Clearance.

#### **Deliberations during 203<sup>rd</sup> meeting of SEAC held on 05.07.2021**

SEAC observed that under the prevailing circumstances and the pandemic situation it does not seem feasible for the Project Proponent to complete the project within the validity period of Environment Clearance i.e. before 24.07.2022.

SEAC observed that in light of EIA notification 14.09.2006, the Environment Clearance of the project could be extended for a period of 3 years.

After detailed deliberations, SEAC decided to recommend SEIAA to extend the Environment Clearance granted to the project namely "Florence City" in the revenue estate of village Manewal, Rara, Tehsil Pathankot, District Gurdaspur by M/s Nitin Mahajan Developers & Colonizers Ltd., for a period of three years i.e. upto 24.07.2025, subject to same terms and conditions as imposed in the original Environment Clearance granted vide no. 2320 dated 25.07.2014.