Proceedings of the 225th State Environment Impact Assessment Authority (SEIAA) held on 13.12.2022 (Tuesday) in the Conference Hall No. 1 (Room No 311), 2nd Floor of MGSIPA at 10:00 AM, MGSIPA Complex, Sector-26, Chandigarh.

The meeting was attended by the following members:

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

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

Item No. 01: Confirmation of the proceedings of 224th meeting of State Environment Impact Assessment Authority held on 06.12.2022.

The proceedings of the 224th meeting of State Environment Impact Assessment Authority held on 06.12.2022 were placed before the Authority which were approved for circulation.

Item No. 02: Action taken on the proceedings of 224th meeting of State Environment Impact Assessment Authority held on 06.12.2022.

It was apprised that necessary action was being taken on the proceedings of the 224th meeting of State Environment Impact Assessment Authority held on 06.12.2022. SEIAA noted the same.

Item No. 225.01: Application for TORs for establishment of Steel Manufacturing Unit M/s Akshat Alloys located at Village Ambey Majra, Mandi Gobindgarh, District Fatehgarh Sahib, Punjab for increase in production capacity from 29,400 TPA of steel ingots to 84,000 TPA of Steel Ingots by upgrading existing induction furnace of capacity 1x7 TPH to 1x20 TPH. (Proposal No. SIA/PB/IND1/406178/2022).

The industry is an existing steel manufacturing unit engaged in manufacturing of Steel Ingots and casting @ 29,400 TPA with one Induction Furnace of capacity 7 TPH. The industry was granted Consent to Operate under the provisions of Water Act 1974 & Air Act 1981 for the manufacturing of 84 TPD of Steel Ingots and castings, which are valid upto 30.09.2023.

The industry has proposed to enhance its capacity from 29,400 TPA of steel ingots to 84,000 TPA of Steel Ingots by upgrading existing induction furnace of capacity 1x7 TPH to 1x20 TPH at Village Ambey Majra, Mandi Gobindgarh, District Fatehgarh Sahib, Punjab. The Project is covered under Schedule 3(a) & Category 'B1' as per EIA Notification, 2006.

The industry submitted the application form, Pre-feasibility report and other additional documents through online portal. The total cost of the project after expansion is Rs. 4.49 Crores. The industry is required to deposit total amount of Rs. 44,900/- out of which 25% of the applicable fee i.e. Rs. 11,225/- is required to be paid at the time of ToR. The industry has deposited Rs. 11,225/- vide NEFT No. BARBX22313278497 dated 09.11.2022 as checked & verified by the supporting staff of SEIAA.

Deliberations during 233rd meeting of SEAC held on 29.11.2022.

The meeting was attended by the following:

(i) Sh. Yashpal Verma, Accountant M/s Akshat Alloys.
(ii) Sh. Sital Singh, Environmental Consultant, M/s. Chandigarh Pollution Testing Laboratory.
(iii) Sh. Sandeep Singh, Environmental Consultant, M/s. Chandigarh Pollution Testing Laboratory.

SEAC allowed the Environmental Consultant of the project proponent to present the reply to the observations made by it in the meeting of SEAC as under:

Sr. No.	Description	Details
1	**Basic Details**	
1.1	Name of Project & Project Proponent:	M/s Akshat Alloys Sh. Dheeraj Singhi, Partner
1.2	Proposal:	SIA/PB/IND1/406178/2022
1.3	Location of Industry:	Village- Ambey Majra, Mandi Gobindgarh District Fatehgarh Sahib, Punjab

<table>
<tr><td>1.4</td><td>Details of Land area & Built up area:</td><td>Total land area – 2.0 acre or 8093.7 m2</td></tr>
<tr><td>1.5</td><td>Category under EIA notification dated 14.09.2006</td><td>B1</td></tr>
<tr><td>1.6</td><td>Cost of the project</td><td>Rs 4.49 Cr.</td></tr>
<tr><td>2.</td><td colspan="2">Site Suitability Characteristics</td></tr>
<tr><td>2.1</td><td>Whether site of the industry is suitable as per the provisions of Master Plan:</td><td>The site of the industry falls in the industrial zone as per Master Plan, Mandi Gobindgarh.</td></tr>
<tr><td>2.2</td><td>Whether supporting document submitted in favour of statement at 2.1, details thereof:
(CLU/building plan approval status)</td><td>The industry is an existing unit and obtained consent to operate under the provisions of the Water Act 1974 and Air Act 1981. Further, the industry mentioned in application form that no additional land shall be acquired for carrying out expansion.</td></tr>
<tr><td>3</td><td colspan="2">Forest, Wildlife and Green Area</td></tr>
<tr><td>3.1</td><td>Whether the industry required clearance under the provisions of Forest Conservation Act 1980 or not:</td><td>No Forest land is involved. An undertaking in this regard submitted.</td></tr>
<tr><td>3.2</td><td>Whether the industry required clearance under the provisions of Punjab Land Preservation Act (PLPA) 1900:</td><td>No, land falls under the provisions of Punjab Land Preservation Act (PLPA) 1900. An undertaking in this regard submitted.</td></tr>
<tr><td>3.3</td><td>Whether industry required clearance under the provisions of Wildlife Protection Act 1972 or not:</td><td>No wildlife area is covered under the Wildlife Protection Act 1972. An undertaking in this regard submitted.</td></tr>
<tr><td>3.4</td><td>Whether the industry falls within the influence of Eco-Sensitive Zone or not. (Specify the distance from the nearest Eco sensitive zone)</td><td>Not applicable</td></tr>
<tr><td>3.5</td><td>Green area requirement and proposed No. of trees:</td><td>Out of the total plant area approx. 33% of area will be developed as greenbelt.</td></tr>
<tr><td>4.</td><td colspan="2">Configuration & Population</td></tr>
<tr><td>4.1</td><td>Proposal & Configuration</td><td>
<table>
<tr><th>Sr. No.</th><th>Equipment's / Machinery</th><th>Existing</th><th>Proposed</th><th>Total</th></tr>
<tr><td>1.</td><td>Induction Furnace</td><td>1X7 TPH (to be upgraded)</td><td>1X20 TPH</td><td>1X20 TPH</td></tr>
<tr><td>2.</td><td>Concast</td><td>NIL</td><td>01 No.</td><td>01 No.</td></tr>
</table>
</td></tr>
<tr><td>4.2</td><td>Population details</td><td>Employment- 130</td></tr>
<tr><td>5</td><td colspan="2">Water</td></tr>
</table>

<table>
<tr><td>5.1</td><td>Total fresh water requirement:</td><td>Total Water requirement- 89 KLD
Domestic water demand- 6.0KLD</td></tr>
<tr><td>5.2</td><td>Source:</td><td>Tubewell</td></tr>
<tr><td>5.3</td><td>Whether Permission obtained for abstraction/supply of the fresh water from the Competent Authority (Y/N) Details thereof</td><td>Application for permission for abstraction of ground water is filed to PWRDA.</td></tr>
<tr><td>5.4</td><td>Total water requirement for domestic purpose:</td><td>Total Water requirement for domestic purpose – 6.0 KLD</td></tr>
<tr><td>5.4.1</td><td>Treatment methodology for domestic wastewater:
(STP capacity, technology & components)</td><td>The domestic effluent generated shall be treated through STP of capacity 10 KLD and treated wastewater used for plantation.</td></tr>
<tr><td>5.5</td><td>Total water requirement for industrial purpose:</td><td>83 KLD shall be utilized for industrial cooling purpose</td></tr>
<tr><td>5.5.1</td><td>Total effluent generation:</td><td>Nil</td></tr>
<tr><td>5.5.2</td><td>Treatment methodology for industrial wastewater:
(ETP capacity, technology & components)</td><td>NA</td></tr>
<tr><td>5.6</td><td>Details of utilization of treated wastewater into green area in summer, winter and rainy season:</td><td>Treated waste water from STP will be used for plantation within the industrial premises</td></tr>
<tr><td>5.7</td><td>Utilization/Disposal of excess treated wastewater.</td><td>Nil</td></tr>
<tr><td>5.8</td><td colspan="2">Cumulative Details:
<table>
<tr><th>Sr. No.</th><th>Total water Requirement</th><th>Domestic water</th><th>Total wastewater generated</th></tr>
<tr><td>1.</td><td>89 KLD</td><td>6.0KLD</td><td>4.8 KLD</td></tr>
</table></td></tr>
<tr><td>5.9</td><td>Rain water harvesting proposal:</td><td>A Storage tank will be provided and a pond will be adopted for rain water harvesting</td></tr>
<tr><td>6</td><td colspan="2">Air</td></tr>
<tr><td>6.1</td><td>Details of Air Polluting machinery:</td><td>D.G. set, Induction Furnace</td></tr>
<tr><td>7</td><td>Waste Management</td><td></td></tr>
<tr><td>7.1</td><td>Total quantity of solid waste generation</td><td>Slag- 12TPD.</td></tr>
<tr><td>7.2</td><td>Details of management and disposal of solid waste (Mechanical Composter/Compost pits)</td><td>Will be sent to cement manufacturing unit/manufacturers of tiles/paver under proper agreement.</td></tr>
<tr><td>7.3</td><td>Details of management of Hazardous Waste.</td><td>APCD Dust- 1.0 TPD will be sent to TSDF site/M/s Madhav Alloys</td></tr>
<tr><td>8</td><td>Energy Saving & EMP</td><td></td></tr>
</table>

8.1	Power Consumption:	4000 KW

During meeting, the Committee observed that the industry has proposed to utilize the baseline data of the EIA study conducted for M/s Surya Steel Industries located at a distance of 1 Km from the proposed project site during the period October to December, 2021. The Committee allowed the industry to utilize the baseline study conducted for M/s Surya Steel Industry for only two months and asked the industry to carry out fresh baseline study for remaining one month at the proposed project site. The industry agreed to the same.

After detailed deliberations, the Committee decided to forward the application of the industry to SEIAA with the recommendation to grant Terms of References (ToR) to M/s Akshat Alloys located at located at Village Ambey Majra, Mandi Gobindgarh, District Fatehgarh Sahib, Punjab for increase in production capacity from 29,400 TPA of steel ingots to 84,000 TPA of Steel Ingots subject to the standard and specific ToR as under:

Specific ToR:

(i) The industry shall carryout fresh baseline study for one month at the proposed location of the unit.

Standard ToR

1. Introduction

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

2. Project description

A. Site Details

i. Location of the project site covering village, Taluka/Tehsil, District and State.
ii. Site accessibility
iii. A digital toposheet in pdf or shape file compatible to google earth of the study area of radius of 10km and site location preferably on 1:50,000 scale. (including all eco-sensitive areas and environmentally sensitive places).
iv. Latest High-resolution satellite image data having 1m-5m spatial resolution like quickbird, Ikonos, IRS P-6 pan sharpened etc., along with delineation of plant boundary co-ordinates. Area must include at least 100m all around the project location.
v. Environment settings of the site and its surrounding along with map.
vi. A list of major industries with name, products and distance from plant site within study area (10km radius) and the location of the industries shall be depicted in the study area

map.

vii. In case if the project site is in vicinity of the water body, 50 meters from the edge of the water body towards the site shall be treated as no development/construction zone. If it's near the wetland, Guidelines for implementing Wetlands (Conservation and Management) Rules, 2017 may be followed.

viii. In case if the project site is in vicinity of the river, the industry shall not be located within the river flood plain corresponding to one in 25 years flood, as certified by concerned District Magistrate/Executive Engineer from State Water Resources Department (or) any other officer authorized by the State Government for this purpose as per the provisions contained in the MoEF&CC Office Memorandum dated 14/02/2022.

ix. Type of land, land use of the project site.

x. Status of acquisition of land. If acquisition is not complete, stage of the acquisition process as per the MoEF&CC O.M. dated 7/10/2014 shall be furnished.

xi. Engineering layout of the area with dimensions depicting existing unit as well as proposed unit indicating storage area, plant area, greenbelt area, utilities etc. If located within an Industrial area/Estate/Complex, layout of Industrial Area indicating location of unit within the Industrial area/Estate.

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

i. Status of Forest Clearance for the use of forest land shall be submitted.

ii. Copy of application submitted for clearance under the Wildlife (Protection) Act, 1972, to the Standing Committee of the National Board for Wildlife if the project site located within notified Eco-Sensitive Zone, 10km radius of national park/sanctuary wherein final ESZ notification is not in place as per MoEF&CC Office Memorandum dated 8/8/2019.

iii. The projects to be located within 10 km of the National Parks, Sanctuaries, Biosphere Reserves, Migratory Corridors of Wild Animals, Eco-sensitive Zone and Eco-sensitive areas, the project proponent shall submit the map duly authenticated by Divisional Forest Officer showing the distance between the project site and the said areas.

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

C. Salient features of the project

i. Products with capacities in Tons per Annum for the proposed project.

ii. If expansion project, status of implementation of existing project, details of existing/proposed products with production capacities in Tons per Annum.

iii. Site preparatory activities.

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

v. Other than raw materials, other chemicals and materials required with quantities and storage capacities.

vi. Manufacturing process details along with process flow diagram of proposed units.

vii. Consolidated materials and energy balance for the project.

viii. Total requirement of surface/ ground water and power with their respective sources, status of approval.

ix. Water balance diagram

x. Details of Emission, effluents, hazardous waste generation and mode of disposal during construction as well as operation phase.

xi. Man-power requirement.

xii. Cost of project and scheduled time of completion.

xiii. Brief on present status of compliance (Expansion/modernization proposals)

a. Cumulative Environment Impact Assessment for the existing as well as the proposed expansion/modernization shall be carried out.

b. In case of ground water drawl for the existing unit, action plan for phasing out of ground water abstraction in next three years except for domestic purposes and shall switch over to 100 % use of surface water from nearby source.

c. Copy of all the Environment Clearance(s) including Amendments thereto obtained for the project from MoEF&CC/SEIAA shall be attached as an Annexure. A certified copy of the latest Monitoring Report of the Regional Office of the Ministry of Environment and Forests as per circular dated 30th May, 2012 on the status of compliance of conditions stipulated in all the existing environment clearances including amendments shall be provided.

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

3. Description of the Environment

i. Study period

ii. Approach and methodology for data collection as furnished below.

Attributes	**Sampling**		**Remarks**
	Network	**Frequency**	
A. Air Environment			
Micro- Meterological . Wind speed (Hourly)	Minimum 1 site in the project impact area	1 hourly continuous	. IS 5182 Part 1-20

. Wind direction . Bry bulb temperature . Wet bulb temperature . Relative humidity . Rainfall . Solar radiation . Cloud cover . Environmental Lapse Rate			. Site specific primary data is essential . secondary data from IMD, New Delhi . CPCB guidelines to be considered.
Pollutants . PM2.5 . PM10 . SO2 . NOx . CO . HC . Other parameters relevant to the project and topography of the area	At least 8-12 locations	As per National Ambient Air Quality Standards, CPCB Notification.	. Sampling as per CPCB guidelines . Collection of AAQ data (except in monsoon season) . Locations of various stations for different parameters should be related to the characteristic properties of the parameters. . The monitoring stations shall be based on the NAAQM standards as per GSR 826(E) dated 16/11/2009 and take into account the predominant wind direction, population zone and sensitive receptors including reserved forests, . Raw data of all AAQ measurement for 12 weeks of all stations as
Attributes	**Sampling**		**Remarks**
	Network	**Frequency**	per frequency given in the NAAQM Notification of 16/11/2009 along with min., max., average and 98% values for each of the AAQ parameters from data of all AAQ stations should be provided as can annexure to the EIA Report.

B. Noise			
. Hourly equivalent noise levels	At least 8-12 locations	As per CPCB norms	
C. Water			
Parameters for water quality . pH, temp, turbidity, magnesium hardness, total alkalinity, choride, sulphate, nitrate, fluoride, sodium, potassium, salinity . Total nitrogen, total phosphorus, DO, BOD, COD, Phenol . Heavy metals . Total coliforms, faecal coliforms . Phyto plankton . Zoo plankton	Samples for water quality should be collected and analyzed as per: . IS: 2488 (Part 1-5) methods for sampling and testing of Industrial effluents . Standard methods for examination of water and wastewater analysis published by American Public Health Association.		
For River Bodies . Total Carbon . pH . Dissolved Oxygen . Biological Oxygen Demand . Free NH4 . Boron . Sodium Absorption Ratio . Electrical	. Surface water quality of the nearest River (60m upstream and downstream) and other surface water	. Yield of water sources to be measured during critical season . Standard methodology for collection of surface water (BIS standards)	

Attributes	**Sampling**		**Remarks**
	Network	**Frequency**	
Conductivity	bodies		
For Ground Water	. Ground water monitoring data should be collected at minimum of 8 locations (from existing wells/tube wells/ existing current records) from the study area and shall be included.		
D. Traffic Study			
. Type of vehicles . Frequency of vehicles for transportation of materials . Additional traffic due to proposed project . Parking arrangement			
E. Land Environment			

Soil . Particle size distribution . Texture . pH . Electrical conductivity . Cation exchange capacity . Alkali metals . Sodium Absorption Ratio (SAR) . Permeability . Water holding capacity . Porosity	Soil samples be collected as per BIS specifications
Land use/ Landscape . Location code . Total project area . Topography . Drainage (natural) . Cultivated, forest, plantations, water bodies, roads and settlements	

F. Biological Environment

Attributes	**Sampling**		**Remarks**
	Network	**Frequency**	
Aquaric . Primary productivity . Aquatic weeds . Enumeration of phyto plankton, zoo plankton and benthos . Fisheries . Diversity indices . Trophic levels . Rare and endangered species . Marine parks/ Sanctuaries/ closed	. Detailed description of flora and fauna (terrestrial and aquatic) existing in the study area shall be given with special reference to rare, endemic and endangered species. Indicator species which indicate ecological and environment degradation should be identified and included to clearly state whether the proposed project would result in to any adverse effect on any species. . Samples to collect from upstream and downstream of discharge point, nearby tributaries at downstream, and also from dug wells close to activity site. . For forest studies, direction of wind should be considered while selecting forests. . Secondary data to collect from Government offices, NGOs, published literature.		

areas/ coastal regulation zone (CRZ) Terrestrial . Vegetation-species list, economic importance, forest produce, medicinal value . Importance value index (IVI) of trees . Fauna . Avi fauna . Rare and endangered species . Sanctuaries/ National park/ Biosphere reserve . Migratory routes	
F. socio-economic	
. Demographic structure . Infrastructure resource base . Economic resource base . Health status: Morbidity pattern . Cultural and aesthetic attributes	. Socio-economic survey is based on proportionate, stratified and random sampling method. . Primary data collection through questionnaire . Secondary data from census records, statistical hard books, topo sheets, health records and relevant official records available with Govt. Agencies

Attributes	**Sampling**		**Remarks**
	Network	**Frequency**	
Education			

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

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

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

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

Activity	Environment	Ecological	Socio-economic
Construction phase			
Operation phase			

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

a. Construction phase

b. Operation phase

- Details of stack emissions from the existing as well as proposed activity.
- Assessment of ground level concentration of pollutants from the stack emission based on AQIP Modelling The air quality contours shall be plotted on a location map showing the location of project site, habitation nearby, sensitive receptors, if any along with wind rose map for respective period
- Impact on ground level concentration, under normal, abnormal and emergency conditions. Measures to handle emergency situations in the event of uncontrolled release of emissions.

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

a. Construction phase

b. Operation phase

iv. Impact on traffic (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact)

a. Construction phase

b. Operation phase

v. Impact on soil quality (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact)

a. Construction phase

b. Operation phase

vi. Impact on land use (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact)

a. Construction phase

b. Operation phase

vii. Impact on surface water resource and quality (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact)

a. Construction phase

b. Operation phase

viii. Impact on ground water and quality (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact)

a. Construction phase

b. Operation phase

ix. Impact on terrestrial and aquatic habitat (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact)

a. Construction phase

b. Operation phase

x. Impact on socio-economic environment (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact)

a. Construction phase

b. Operation phase

xi. Impact on occupational health and safety (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact)

a. Construction phase

b. Operation phase

5. Analysis of Alternatives (Technology & Site)

i. No project scenario

ii. Site alternative

iii. Technical and social concerns

iv. Conclusion

6. Environmental Monitoring Program

i. Details of the Environment Management Cell

ii. Performance monitoring schedule for all pollution control devices shall be furnished.

iii. Corporate Environment Policy

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

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

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

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

iv. Action plan for post-project environment
Monitoring matrix:

Activity	Aspect	Monitoring	Location		Frequency	Responsibility
Construction phase						
Operation phase						

7. Additional Studies

i. Public consultation details (Entire proceedings as separate annexurealong with authenticated English Translation of Public Consultation proceedings).

ii. Summary of issues raised during public consultation along with action plan to address the same as per MoEF&CC O.M. dated 30/09/2020

Sr. No	Physical activity and action plan		Year of implementation (Budget in INR)			Total Expenditure (Rs. In Crores)
	Name of the Activity	Physical Targets	1st	2nd	3rd	

iii. Risk assessment

- Methodology
- Hazard identification
- Frequency analysis
- Consequence analysis
- Risk assessment outcome

iv. Emergency response and preparedness plan

8. Project Benefits

i. Environment benefits

ii. Social infrastructure

iii. Employment and business opportunity

iv. Other tangible benefits

9. Environment Cost Benefit Analysis

i. Net present value

ii. Internal rate of return

iii. Benefit cost ratio

iv. Cost effectiveness analysis

10. Environment Management Plan (Construction and Operation phase)

i. Air quality management plan

ii. Noise quality management plan

iii. Solid and hazardous waste management plan

iv. Effluent management plan

v. Storm water management plan

vi. Rain water harvesting plan

vii. Occupational health and safety management plan

viii. Green belt development plan

ix. Socio-economic management plan

x. Wildlife conservation plan (In case of presence of schedule I species)

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

11. Conclusion of the EIA study

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

Special Conditions-

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

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

2.0 Deliberations during 225th meeting of SEIAA held on 13.12.2022.

The case was considered by SEIAA in its 225th meeting held on 13.12.2022 which was attended by the following:

(i) Sh. Yashpal Verma, representative of M/s Akshat Alloys.
(ii) Sh. Sital Singh, Environmental Consultant, M/s. Chandigarh Pollution Testing Laboratory.
(iii) Sh. Sandeep Singh and Er. S.S. Matharu, Environmental Consultant, M/s. Chandigarh Pollution Testing Laboratory.

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

To a query by SEIAA regarding the amount to be spent for amelioration of the environment in lieu of the CER activities, the project proponent informed that an amount of Rs 45 lakhs will be spent on these activities and the details will be submitted along with EIA report.

Dr. (Prof.) Adarsh Pal Vig, Member, SEIAA informed the Authority that Mandi Gobindgarh is a Non-Attainment City under the National Clean Air Programme (NCAP). He further informed that Mandi Gobindgarh is highly polluted and the carrying capacity of the area in terms of containment of containment of air pollution is at the very threshold of the maximum permissible limits. In this regard, Environmental Consultant of the project proponent submitted that the industry will install adequate Air Pollution Control Equipment and a detailed report regarding the measures to be taken by the industry to control Air Pollution shall be submitted. The committee decided to impose an Additional Term of Reference(ToR) in this regard.

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

(i) The project proponent shall submit four copies of draft EIA report (2 each for SEIAA and SEAC) in advance so that the said EIA reports can be studied thoroughly by SEIAA / SEAC. This will facilitate incorporation of the suggestions / inputs of SEIAA / SEAC as also timely addressal of their concerns in the final EIA report.

(ii) The project proponent shall undertake activities for the amelioration of the environment in the vicinity of the Project in lieu of CER activities. An amount of Rs 45 lakhs will be provided for such activities and the detailed proposal of the same along with implementation timelines will be submitted along with EIA report at the time of obtaining EC. As decided in the 14th Joint meeting of SEIAA / SEAC held on 13.07.2022, the following activities may, *inter alia,* be undertaken in lieu of CER:

a. Development of mini forests (Nanak Bagichi), urban forests, green belts, biodiversity parks etc., raising of avenue plantations and plantations in public/community areas/ educational institutions/Govt. buildings/banks of rivers/cantonment areas or any other land made available by the Govt. agencies and other institutions.

b. Cleaning and rejuvenation of village ponds, water bodies, wetlands, storm drains etc. (treatment of village sewer pond using PPCB and other approved scientific models)

For rejuvenation of Ponds:

https://ppcb.punjab.gov.in/sites/default/files/documents/Action-Plan-forRejuvenation-of-Ponds- 31.03.20.pdf

Guidelines for restoration of Water Bodies

https://ppcb.punjab.gov.in/sites/default/files/documents/Indicative%20Guidelines%20for%20Restoration%20of%20Water%20Bodies%20by%20CPCB.pdf

Technical Committee Report

https://ppcb.punjab.gov.in/sites/default/files/documents/Report%20of%20Technical%20Committee%20For%20Treatment%20of%20Wastewater%20of%20Village%20Pond.pdf.

c. Development of infrastructure

• for utilization of treated effluent of STPs (double plumbing, construction work roadside sprinkling and

• for reuse of STP/ETP sludge as farmyard manure (FYM) or 'other activities approved by CPCB/PPCB/MoEF&CC.

• for replacing soakage pits and/or providing septic tanks in Govt. education institutions and other Govt. buildings/projects.

d. Provision of solar panels/lights and other energy saving electric devices/equipment's including LED bulbs etc. in the Government/Municipal/other public schools, hospitals and dispensaries etc. or in other public buildings.

e. Provision of Roof top rainwater harvesting (RWH) and other water conservations activities in the Government/ Municipal/ other public schools, hospitals and dispensaries etc. or in other public buildings.

f. Solid waste management including composting/vermi-composting, Indian authorized approaches of reuse, recycle, Material Recovery Facility (MRF) to reach zero waste condition.

g. Development and establishment for alternatives to single use plastic (SUP), and plastic carry bags.

h. Other activities relating to amelioration of air, water & soil pollution as prescribed in the applicable District Environment Plan (DEP) https://decc.punjab.gov.in/ in which gaps exist and which are not the statutory responsibility of Government Departments / Agencies.

i. Need based environmental activities as proposed by the project proponent/their accredited consultants for the amelioration of air, water & soil pollution on the basis of site specific field surveys of the project and nearby areas and approved by SEIAA/SEAC/PPCB.

j. Preparation of Peoples Biodiversity Register (PBR) at all levels (District, block & village), conservation of biodiversity heritage sites (BHS) of Punjab, Eco zones Hotspots, bird sanctuaries.

k. Environmental awareness activities/celebrations/programmes, preparation and distribution of resource material for abatement and control of pollution and restoration of environment of Punjab and approved by SEIAA/SEAC/PPCB/academic experts.

l. Dust suppression by use of vacuum cleaners, sprinklers, fountains, misting machines/vehicles/artificial rain etc.

m. Scientific and environmentally sound management or recovery facilities of ewaste, C&D waste, plastic waste, toxic/hazardous waste, bio-medical waste, industrial wastes, dairy/Gaushala waste.

n. Promotion and development of eco-tourism areas/activities, green buildings, agriculture diversity, organic/natural farming/herbal/medicinal/botanical gardens, electric vehicles, cleaner fuels, biodegradable materials.

o. Control and In-situ/Ex-situ management of stubble burning (Parali) in Punjab.

p. Clean and innovative technologies for reduction of water, air and solid waste pollutants and reuse, recycling of resource materials.

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

(iii) The EIA study shall include a specific report on the on the special measures to be adopted to ensure that the establishment of the unit does not lead to further Air pollution in the area.

Item No. 225.02: Application for TORs to proposed Steel Manufacturing Unit M/s Dang Special Steels Pvt. Ltd. at G.T Road, Doraha, Tehsil Payal, District Ludhiana, Punjab for the manufacturing of 365 TPD of Billets/Ingots or Rolled Products. (Proposal No. SIA/PB/IND1/400524/2022)

The industry has applied for issuance of TORs for establishment of steel manufacturing unit of production capacity of 365 TPD (1,27,750 TPA) of Billets/Ingots or Rolled Products (Round Alloys/ Wire rods/ Flats/ TMT bars etc.) with two Induction Furnaces of capacity 12 TPH each and one Rolling Mill at G.T Road, Doraha, Tehsil Payal, District Ludhiana, Punjab. The Project is covered under Schedule 3(a) & Category 'B1' as per EIA Notification, 2006.

The industry submitted the application form, Pre-feasibility report and other additional documents through online portal. The total cost of the project after expansion is Rs. 39.6 Crores. The industry is required to deposit total amount of Rs. 3,96,000/- out of which 25% of the applicable fee i.e. Rs. 99000/- is required to be paid at the time of ToR. The industry has deposited Rs. 99,000/- vide NEFT No. N252222113152956 dated 09.09.2022 as checked & verified by the supporting staff of SEIAA.

Deliberations during 233rd meeting of SEIAA held on 29.11.2022.

The case was considered by the following:

(i) Mr. Baljeet Singh, Director M/s Dang Special Steel Pvt. Ltd.
(ii) Mrs. Jyoti Rani, EC Coordinator, M/s Eco laboratories Pvt. Ltd.

SEAC allowed the Environmental Consultant of the project proponent to present the reply to the observations made by it in the meeting of SEAC as under:

<table>
<tr><th>Sr. No.</th><th>Description</th><th>Details</th></tr>
<tr><td>1.</td><td colspan="2">Basic Details</td></tr>
<tr><td>1.1</td><td>Name of Industry & Project proponent:</td><td>M/s Dang Special Steels Pvt. Ltd.
Mr. Baljeet Singh
(Director)</td></tr>
<tr><td>1.2</td><td>Proposal</td><td>SW/101321/2022</td></tr>
<tr><td>1.3</td><td>Location of Industry</td><td>M/s Dang Special Steels Pvt. Ltd.
G.T Road, Doraha, Tehsil Payal,
District Ludhiana, Punjab (141002)</td></tr>
<tr><td>1.4</td><td>Details of land area and built-up area</td><td>Total area of the project: 17,620.00 sq.m. (4.35 acres)
Breakup of the planning area is given below:
<table>
<tr><th>S. No.</th><th>Description</th><th>Total area (in sq.m.)</th><th>Area in %</th></tr>
<tr><td>1.</td><td>Proposed shed covered area</td><td>7,406.21</td><td>41.93</td></tr>
<tr><td>2.</td><td>Green area</td><td>5,816.40</td><td>33.02</td></tr>
</table></td></tr>
</table>

		3.	Parking area	606.66	3.44
		4.	Road area	3,808.83	21.61
		Total Area		**17,620.00 sq.m. (4.35 acres)**	**100.00%**
1.5	Category under EIA Notification dated 14.09.2006	3(a): Metallurgical Industries (ferrous & non-ferrous)			
1.6	Cost of the project	Estimated cost of the project is Rs. 39.6 Crores.			
1.7	Compliance of Public Hearing Proceedings	To be submitted with final EIA report.			
2.	**Site Suitability Characteristics**				
2.1	Whether site of the industry is suitable as per the provisions of Master Plan:	Yes. Project site falls within the Industrial Zone as per Master Plan of Ludhiana.			
2.2	Whether supporting document submitted in favour of statement at 2.1, details thereof: (CLU/ building plan approval status)	Master Plan of Ludhiana showing location of project site has been submitted.			
3.	**Forest, Wildlife and Green Area**				
3.1	Whether the industry required clearance under the provisions of Forest Conservation Act 1980 or not:	No Forest land is involved in the project. The industry has applied for forest clearance for approach road under the Forest Conservation Act, 1980 on dated 29.11.2022.			
3.2	Whether the industry required clearance under the provisions of Punjab Land Preservation Act (PLPA) 1900:	Not applicable, as no PLPA land is involved.			
3.3	Whether industry required clearance under the provisions of Wildlife Protection Act 1972 or not:	No clearance is required under The Wildlife Protection Act, 1972, as no Wildlife Sanctuary falls, Notified Eco-Sensitive Zone etc. falls within 10 km radius of project site.			
3.4	Distance of the industry from the	Nearest Critically Polluted area is Cluster IV of Ludhiana which is located at a distance of approx. 7 km from the project site in 'NW' direction.			

<table>
<tr><td></td><td>Critically Polluted Area.</td><td></td></tr>
<tr><td>3.5</td><td>Whether the industry falls within the influence of Eco-Sensitive Zone or not. (Specify the distance from the nearest Eco sensitive zone)</td><td>No; no Eco-sensitive zone falls within 10 km radius of the project site.</td></tr>
<tr><td>3.6</td><td>Green area requirement and proposed No. of trees:</td><td>Proposed green area: 5,816.40 sq.m. (@ 33.02% of the plot area)
Total 873 no. of trees to be planted @ 1,500 trees per hectare of green area.</td></tr>
<tr><td>4.</td><td colspan="2">Configuration & Population</td></tr>
<tr><td>4.1</td><td>Raw materials, products & machinery details</td><td><u>Raw Materials</u>:
<table>
<tr><th>S. No.</th><th>Details</th><th>Proposed Quantity</th></tr>
<tr><td>1.</td><td>Scrap & Ferro Alloys</td><td>384 TPD (1,34,400 TPA)</td></tr>
</table>
<u>Products</u>:
<table>
<tr><th>S. No.</th><th>Details</th><th>Proposed Quantity</th></tr>
<tr><td>1.</td><td>Billets/Ingots or Rolled products (Round Alloys/ Wire rods/ Flats/ TMT bars etc.)</td><td>365 TPD(1,27,750 TPA)</td></tr>
</table>
<u>Machinery</u>:
<table>
<tr><th>S. No.</th><th>Details</th><th>Proposed</th></tr>
<tr><td>1.</td><td>Induction Furnaces</td><td>2 × 12 TPH</td></tr>
<tr><td>2.</td><td>Rolling Mill</td><td>1</td></tr>
</table></td></tr>
<tr><td>4.2</td><td>Population details</td><td>Proposed No. of workers: 100 workers</td></tr>
<tr><td>5.</td><td colspan="2">Water</td></tr>
<tr><td>5.1</td><td>Total fresh water requirement:</td><td>Total water requirement will be 60.5 KLD; out of which fresh water requirement will be 57.5 KLD.</td></tr>
<tr><td>5.2</td><td>Source:</td><td>Ground water (2 No. borewells)</td></tr>
<tr><td>5.3</td><td>Whether Permission obtained for abstraction/supply of the fresh water from the Competent Authority (Y/N)
Details thereof</td><td>Permission will be obtained from PWRDA regarding abstraction of ground water.</td></tr>
<tr><td>5.4</td><td>Total water requirement for domestic purpose:</td><td>Domestic water requirement: 4.5 KLD</td></tr>
<tr><td>5.4.1</td><td>Total wastewater generation:</td><td>Domestic wastewater: 3.5 KLD</td></tr>
</table>

5.4.2	Treatment methodology for domestic wastewater: (STP capacity, technology & components)	3.5 KLD of domestic effluent will be treated in proposed STP of capacity 5 KLD which will be based on MBBR technology. Treated water will be reused for horticulture purpose within the project premises.
5.5	Total water requirement for industrial purpose:	Make-up water demand for cooling purpose: 24 KLD
5.5.1	Total effluent generation:	No industrial effluent will be generated.
5.5.2	Treatment methodology for industrial wastewater: (ETP capacity, technology & components)	Not applicable, as no industrial effluent will be generated.
5.6	Details of utilization of treated wastewater into green area in summer, winter and rainy season:	3 KLD of treated water from STP will be reused for horticulture purpose within project premises for all three seasons.
5.7	Utilization/ Disposal of excess treated wastewater.	Not applicable, as treated water will be reused for horticulture purpose within project premises. Thus, no excess treated water available.
5.8	Cumulative Details:	

S. No.	Total water Requirement	Total wastewater generated	Treated wastewater	Treated wastewater reuse	Green area requirement	Into sewer

	1.	**60.5KLD** • Domestic water demand 4.5 KLD • Make-up water demand for cooling 24 KLD • Green area water demand 32 KLD	3.5 KLD	3 KLD	3 KLD (Reused for horticulture purpose)	32 KLD (for Summer season @ 5.5 lt/sq.m./day)	0

5.9	Rain water harvesting proposal:	Rainwater harvesting will be provided within the project premises by collecting the runoff from rooftop area of the proposed sheds. Also, rain water recharging will be done outside of project premises by adopting pond. Detailed of the same will be submitted with EIA report.
6.	**Air**	
6.1	Details of Air Polluting machinery:	Source of air pollution are given below:

S. No.	Sources	Description
1.	Induction Furnaces	2 × 12 TPH
2.	DG sets	500 KVA & 200 KVA

6.2	Measures to be adopted to contain particulate emission/ Air Pollution	The details of the sources of pollution and its mitigation measures are given below:

S. No.	Source	Capacity	Chimney Height	APCD
1.	Induction Furnaces	2 × 12 TPH	30 m each	Side suction hood followed by bag filter as APCD of capacity 60,000 CMH will be installed on each Induction Furnace.
2.	DG Sets	500 KVA 200 KVA	5 m 2.5 m	Canopy

7.	**Waste Management**	
7.1	Slag generation & its management	Approx. 11.5 TPD of slag will be generated; out of which 20% will be reused for metal recovery within the project premises and remaining 80% will be given to Tiles/Block manufacturing unit for co-processing.

<table>
<tr><td>7.2</td><td>APCD dust generation & its management</td><td colspan="3">Approx. 1 TPD of APCD dust will be generated which will be handed over to authorized vendor. Thus, agreement will be done with approved vendor for disposal of APCD dust.</td></tr>
<tr><td>7.3</td><td>Solid waste generation & its management (Mechanical Composter/ Compost pits)</td><td colspan="3">Approx. 20 kg/day of domestic solid waste will be generated which will be managed as per SWM Rules, 2016.</td></tr>
<tr><td rowspan="4">7.4</td><td rowspan="4">Hazardous Waste generation & its management</td><td colspan="3">Details of the hazardous waste generated is given below:</td></tr>
<tr><td>S. No.</td><td>Description</td><td>Quantity</td></tr>
<tr><td>1.</td><td>Cat 35.1 Qty (APCD dust)</td><td>1 TPD</td></tr>
<tr><td>2.</td><td>Cat 5.1 Qty (Spent Oil)</td><td>0.5 KLA</td></tr>
<tr><td></td><td></td><td colspan="3">APCD dust and Spent oil will be given to authorized vendor.</td></tr>
<tr><td>8.</td><td colspan="5">Energy Saving & EMP</td></tr>
<tr><td rowspan="4">8.1</td><td rowspan="4">Power Consumption:</td><td colspan="3">Energy requirement is given below:</td></tr>
<tr><td>S. No.</td><td>Description</td><td>Total</td></tr>
<tr><td>1.</td><td>Power load</td><td>1,500 KVA</td></tr>
<tr><td>2.</td><td>DG sets</td><td>500 KVA & 200 KVA</td></tr>
<tr><td></td><td></td><td colspan="3">Source: PSPCL</td></tr>
<tr><td>8.2</td><td>Energy saving measures:</td><td colspan="3"><u>Energy Saving measures to be adopted:</u>
a) LEDs will be provided.
b) Energy Efficient Induction Furnaces and other machinery will be installed.</td></tr>
</table>

During meeting, the Committee observed that the proposed activity attracts the provisions of the category 3(a) of the schedule appended with EIA notification dated 14.09.2006. The General Conditions are applicable to the said category. The industry has mentioned in the application proposal that the distance of the proposed project site from the nearest Critically Polluted area is approx. 7 km. The Committee asked the industry to submit the Master Plan of Ludhiana indicating the location of project site w.r.t the MC limits of Ludhiana. In this regard, the industry has submitted the Master Plan of Ludhiana indicating the distance of the project site from the boundary of MC Limits of Ludhiana as 7Km. The industry further apprised the Committee that as the distance of the project site is more than 5Km from the MC limits of Ludhiana, which encompasses the critically polluted boundary of Ludhiana. Therefore, the criteria of General Conditions are not satisfied. The industry is required to be appraised at the level of SEIAA, Punjab. The Committee noted the same.

The Committee further observed that the industry has not obtained permission for Change of Land Use for the total land area of 4.35 acres, wherein the proposed unit shall be established. In

this regard, the industry apprised the Committee that Department of Housing & Urban Development, Govt. of Punjab vide notification no. PS/PSHUD206 dated 12.11.2021 mentioned that there shall be no requirement of Change of Land Use for setting up of standalone industries subject to the subject to the condition that CLU, EDC and other statutory charges as applicable shall be payable at the time of building plan approval. The industry has also submitted an undertaking to the effect that the building plan approval shall be obtained prior to the grant of Environmental Clearance. The Committee noted the same.

The Project Proponent has also submitted acknowledgement of the application submitted to Divisional Forest Officer, Ludhiana on 29.11.2022 for obtaining NOC for use of forest land.

After detailed deliberations, the Committee decided to forward the application of the industry to SEIAA with the recommendation to grant Terms of References (ToR) to M/s Dang Special Steels Pvt. Ltd., GT Road Doraha, Tehsil- Payal, District Ludhiana, Punjab for manufacturing 365 TPD (127750 TPA) of Billets/Ingots or Rolled Products (Round Alloys/Wire rods/ Flats/TMT bars etc.,) subject to the standard ToR as under:

Standard ToR

1. **Introduction**

i. Background about the project

ii. Need of the project

iii. Purpose of the EIA study

iv. Scope of the EIA study

2. **Project description**

A. Site Details

i. Location of the project site covering village, Taluka/Tehsil, District and State.

ii. Site accessibility

iii. A digital toposheet in pdf or shape file compatible to google earth of the study area of radius of 10km and site location preferably on 1:50,000 scale. (including all eco-sensitive areas and environmentally sensitive places).

iv. Latest High-resolution satellite image data having 1m-5m spatial resolution like quickbird, Ikonos, IRS P-6 pan sharpened etc., along with delineation of plant boundary co-ordinates. Area must include at least 100m all around the project location.

v. Environment settings of the site and its surrounding along with map.

vi. A list of major industries with name, products and distance from plant site within study

area (10km radius) and the location of the industries shall be depicted in the study area map.

vii. In case if the project site is in vicinity of the water body, 50 meters from the edge of the water body towards the site shall be treated as no development/construction zone. If it's near the wetland, Guidelines for implementing Wetlands (Conservation and Management) Rules, 2017 may be followed.

viii. In case if the project site is in vicinity of the river, the industry shall not be located within the river flood plain corresponding to one in 25 years flood, as certified by concerned District Magistrate/Executive Engineer from State Water Resources Department (or) any other officer authorized by the State Government for this purpose as per the provisions contained in the MoEF&CC Office Memorandum dated 14/02/2022.

ix. Type of land, land use of the project site.

x. Status of acquisition of land. If acquisition is not complete, stage of the acquisition process as per the MoEF&CC O.M. dated 7/10/2014 shall be furnished.

xi. Engineering layout of the area with dimensions depicting existing unit as well as proposed unit indicating storage area, plant area, greenbelt area, utilities etc. If located within an Industrial area/Estate/Complex, layout of Industrial Area indicating location of unit within the Industrial area/Estate.

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

i. Status of Forest Clearance for the use of forest land shall be submitted.

ii. Copy of application submitted for clearance under the Wildlife (Protection) Act, 1972, to the Standing Committee of the National Board for Wildlife if the project site located within notified Eco-Sensitive Zone, 10km radius of national park/sanctuary wherein final ESZ notification is not in place as per MoEF&CC Office Memorandum dated 8/8/2019.

iii. The projects to be located within 10 km of the National Parks, Sanctuaries, Biosphere Reserves, Migratory Corridors of Wild Animals, Eco-sensitive Zone and Eco-sensitive areas, the project proponent shall submit the map duly authenticated by Divisional Forest Officer showing the distance between the project site and the said areas.

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

C. Salient features of the project

i. Products with capacities in Tons per Annum for the proposed project.

ii. If expansion project, status of implementation of existing project, details of

existing/proposed products with production capacities in Tons per Annum.

iii. Site preparatory activities.

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

v. Other than raw materials, other chemicals and materials required with quantities and storage capacities.

vi. Manufacturing process details along with process flow diagram of proposed units.

vii. Consolidated materials and energy balance for the project.

viii. Total requirement of surface/ ground water and power with their respective sources, status of approval.

ix. Water balance diagram

x. Details of Emission, effluents, hazardous waste generation and mode of disposal during construction as well as operation phase.

xi. Man-power requirement.

xii. Cost of project and scheduled time of completion.

xiii. Brief on present status of compliance (Expansion/modernization proposals)

a. Cumulative Environment Impact Assessment for the existing as well as the proposed expansion/modernization shall be carried out.

b. In case of ground water drawl for the existing unit, action plan for phasing out of ground water abstraction in next three years except for domestic purposes and shall switch over to 100 % use of surface water from nearby source.

c. Copy of all the Environment Clearance(s) including Amendments thereto obtained for the project from MoEF&CC/SEIAA shall be attached as an Annexure. A certified copy of the latest Monitoring Report of the Regional Office of the Ministry of Environment and Forests as per circular dated 30th May, 2012 on the status of compliance of conditions stipulated in all the existing environment clearances including amendments shall be provided.

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

3. Description of the Environment

i. Study period

ii. Approach and methodology for data collection as furnished below.

Attributes	Sampling		Remarks
	Network	**Frequency**	
A. Air Environment			
Micro- Meterological . Wind speed (Hourly) . Wind direction . Bry bulb temperature . Wet bulb temperature . Relative humidity . Rainfall . Solar radiation . Cloud cover . Environmental Lapse Rate	Minimum 1 site in the project impact area	1 hourly continuous	. IS 5182 Part 1-20 . Site specific primary data is essential . secondary data from IMD, New Delhi . CPCB guidelines to be considered.
Pollutants . PM2.5 . PM10 . SO2 . NOx . CO . HC . Other parameters relevant to the project and topography of the area	At least 8-12 locations	As per National Ambient Air Quality Standards, CPCB Notification.	. Sampling as per CPCB guidelines . Collection of AAQ data (except in monsoon season) . Locations of various stations for different parameters should be related to the characteristic properties of the parameters. . The monitoring stations shall be based on the NAAQM standards as per GSR 826(E) dated 16/11/2009 and take into account the predominant wind direction, population zone and sensitive receptors including reserved forests,

			. Raw data of all AAQ measurement for 12 weeks of all stations as
Attributes	**Sampling**		**Remarks**
	Network	**Frequency**	per frequency given in the NAAQM Notification of 16/11/2009 along with min., max., average and 98% values for each of the AAQ parameters from data of all AAQ stations should be provided as can annexure to the EIA Report.
B. Noise			
. Hourly equivalent noise levels	At least 8-12 locations	As per CPCB norms	
C. Water			
Parameters for water quality . pH, temp, turbidity, magnesium hardness, total alkalinity, choride, sulphate, nitrate, fluoride, sodium, potassium, salinity . Total nitrogen, total phosphorus, DO, BOD, COD, Phenol . Heavy metals . Total coliforms, faecal coliforms . Phyto plankton . Zoo plankton	Samples for water quality should be collected and analyzed as per: . IS: 2488 (Part 1-5) methods for sampling and testing of Industrial effluents . Standard methods for examination of water and wastewater analysis published by American Public Health Association.		
For River Bodies . Total Carbon . pH . Dissolved Oxygen . Biological Oxygen Demand . Free NH4 . Boron . Sodium Absorption Ratio . Electrical	. Surface water quality of the nearest River (60m upstream and downstream) and other surface water	. Yield of water sources to be measured during critical season . Standard methodology for collection of surface water (BIS standards)	

Attributes	**Sampling**		**Remarks**
	Network	**Frequency**	
Conductivity	Bodies		
For Ground Water	. Ground water monitoring data should be collected at minimum of 8 locations (from existing wells/tube wells/ existing current records) from the study area and shall be included.		
D. Traffic Study			
. Type of vehicles . Frequency of vehicles for transportation of materials . Additional traffic due to proposed project . Parking arrangement			
E. Land Environment			
Soil . Particle size distribution . Texture . pH . Electrical conductivity . Cation exchange capacity . Alkali metals . Sodium Absorption Ratio (SAR) . Permeability . Water holding capacity . Porosity	Soil samples be collected as per BIS specifications		
Land use/ Landscape . Location code . Total project area . Topography . Drainage (natural) . Cultivated, forest, plantations, water bodies, roads and settlements			
F. Biological Environment			
Attributes	**Sampling**		**Remarks**
	Network	**Frequency**	
Aquaric . Primary productivity . Aquatic weeds . Enumeration of phyto plankton, zoo plankton and benthos	. Detailed description of flora and fauna (terrestrial and aquatic) existing in the study area shall be given with special reference to rare, endemic and endangered species. Indicator species which indicate ecological and environment degradation should be identified and included to clearly state whether the proposed project would result in to any adverse effect on any species.		

. Fisheries . Diversity indices . Trophic levels . Rare and endangered species . Marine parks/ Sanctuaries/ closed areas/ coastal regulation zone (CRZ) Terrestrial . Vegetation-species list, economic importance, forest produce, medicinal value . Importance value index (IVI) of trees . Fauna . Avi fauna . Rare and endangered species . Sanctuaries/ National park/ Biosphere reserve . Migratory routes	. Samples to collect from upstream and downstream of discharge point, nearby tributaries at downstream, and also from dug wells close to activity site. . For forest studies, direction of wind should be considered while selecting forests. . Secondary data to collect from Government offices, NGOs, published literature.
F. socio-economic	
. Demographic structure . Infrastructure resource base . Economic resource base . Health status: Morbidity pattern . Cultural and aesthetic attributes	. Socio-economic survey is based on proportionate, stratified and random sampling method. . Primary data collection through questionnaire . Secondary data from census records, statistical hard books, topo sheets, health records and relevant official records available with Govt. Agencies

Attributes	**Sampling**		**Remarks**
	Network	**Frequency**	
Education			

i. Interpretation of each environment attribute shall be enumeratedand summarized as given below:

- Ambient air quality
- Ambient Noise quality

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

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

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

Activity	Environment	Ecological	Socio-economic
Construction phase			
Operation phase			

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

a. Construction phase

b. Operation phase

- Details of stack emissions from the existing as well as proposed activity.
- Assessment of ground level concentration of pollutants from the stack emission based on AQIP Modelling The air quality contours shall be plotted on a location map showing the location of project site, habitation nearby, sensitive receptors, if any along with wind rose map for respective period
- Impact on ground level concentration, under normal, abnormal and emergency conditions. Measures to handle emergency situations in the event of uncontrolled release of emissions.

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

a. Construction phase

b. Operation phase

iv. Impact on traffic (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact)

c. Construction phase

d. Operation phase

v. Impact on soil quality (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact)

c. Construction phase

d. Operation phase

vi. Impact on land use (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact)

c. Construction phase

d. Operation phase

vii. Impact on surface water resource and quality (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact)

c. Construction phase

d. Operation phase

viii. Impact on ground water resource and quality (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact)

c. Construction phase

d. Operation phase

ix. Impact on terrestrial and aquatic habitat (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact)

c. Construction phase

d. Operation phase

x. Impact on socio-economic environment (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact)

c. Construction phase

d. Operation phase

xi. Impact on occupational health and safety (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact)

c. Construction phase

d. Operation phase

5. Analysis of Alternatives (Technology & Site)

i. No project scenario

ii. Site alternative

iii. Technical and social concerns

iv. Conclusion

6. Environmental Monitoring Program

i. Details of the Environment Management Cell

ii. Performance monitoring schedule for all pollution control devices shall be furnished.

iii. Corporate Environment Policy

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

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

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

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

iv. Action plan for post-project environment Monitoring matrix:

Activity As	Aspect	Monitoring Parameter	Location		Frequency	Responsibility
Construction phase						
Operation phase						

7. Additional Studies

i. Public consultation details (Entire proceedings as separate annexurealong with authenticated English Translation of Public Consultation proceedings).

ii. Summary of issues raised during public consultation along with action plan to address the same as per MoEF&CC O.M. dated 30/09/2020

Sr. No.	Physical activity and action plan		Year of implementation (Budget in INR)			Total Expenditure (Rs. In Crores)
	Name of the Activity	Physical Targets	1st	2nd	3rd	

iii. Risk assessment

- Methodology
- Hazard identification
- Frequency analysis
- Consequence analysis
- Risk assessment outcome

iv. Emergency response and preparedness plan

8. Project Benefits

i. Environment benefits

ii. Social infrastructure

iii. Employment and business opportunity

iv. Other tangible benefits

9. Environment Cost Benefit Analysis

i. Net present value

ii. Internal rate of return

iii. Benefit cost ratio

iv. Cost effectiveness analysis

10. Environment Management Plan (Construction and Operation phase)

i. Air quality management plan

ii. Noise quality management plan

iii. Solid and hazardous waste management plan

iv. Effluent management plan

v. Storm water management plan

vi. Rain water harvesting plan

vii. Occupational health and safety management plan

viii. Green belt development plan

ix. Socio-economic management plan

x. Wildlife conservation plan (In case of presence of schedule I species)

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

11. Conclusion of the EIA study

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

SPECIAL CONDITIONS-

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

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

2.0 Deliberations during 225th meeting of SEIAA held on 13.12.2022.

The case was considered by SEIAA in its 225th meeting held on 13.12.2022 which was attended by the following:

(i) Mr. Baljeet Singh, Director M/s Dang Special Steel Pvt. Ltd.

(ii) Mrs. Jyoti Rani, EC Coordinator, M/s Eco laboratories Pvt. Ltd.

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

To a query by SEIAA regarding the amount to be spent for amelioration of the environment in lieu of the CER activities, the project proponent informed that an amount of Rs 40 lakhs will be spent on these activities and the details will be submitted along with EIA report.

SEIAA further observed that Ludhiana and its surrounding areas are highly polluted. Environmental Consultant shall, therefore, submit a detailed report regarding the measures to be taken by the industry to control Air Pollution along with the EIA report. SEIAA decided to impose an additional ToR in this regard.

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

(i) The project proponent shall submit four copies of draft EIA report (2 each for SEIAA and SEAC) in advance so that the said EIA reports can be studied thoroughly by SEIAA / SEAC. This will facilitate incorporation of the suggestions / inputs of SEIAA / SEAC as also timely addressal of their concerns in the final EIA report.

(ii) The project proponent shall undertake activities for the amelioration of the environment in the vicinity of the Project in lieu of CER activities. An amount of Rs 33 lakhs will be provided

for such activities and the detailed proposal of the same along with implementation timelines will be submitted along with EIA report at the time of obtaining EC. As decided in the 14th Joint meeting of SEIAA / SEAC held on 13.07.2022, the following activities may, *inter alia,* be undertaken in lieu of CER:

a. Development of mini forests (Nanak Bagichi), urban forests, green belts, biodiversity parks etc., raising of avenue plantations and plantations in public/community areas/ educational institutions/Govt. buildings/banks of rivers/cantonment areas or any other land made available by the Govt. agencies and other institutions.

b. Cleaning and rejuvenation of village ponds, water bodies, wetlands, storm drains etc. (treatment of village sewer pond using PPCB and other approved scientific models)

   For rejuvenation of Ponds:

   https://ppcb.punjab.gov.in/sites/default/files/documents/Action-Plan-forRejuvenation-of-Ponds- 31.03.20.pdf

   Guidelines for restoration of Water Bodies

   https://ppcb.punjab.gov.in/sites/default/files/documents/Indicative%20Guidelines%20for%20Restoration%20of%20Water%20Bodies%20by%20CPCB.pdf

   Technical Committee Report

   https://ppcb.punjab.gov.in/sites/default/files/documents/Report%20of%20Technical%20Committee%20For%20Treatment%20of%20Wastewater%20of%20Village%20Pond.pdf.

c. Development of infrastructure

   • for utilization of treated effluent of STPs (double plumbing, construction work roadside sprinkling and

   • for reuse of STP/ETP sludge as farmyard manure (FYM) or 'other activities approved by CPCB/PPCB/MoEF&CC.

   • for replacing soakage pits and/or providing septic tanks in Govt. education institutions and other Govt. buildings/projects.

d. Provision of solar panels/lights and other energy saving electric devices/equipment's including LED bulbs etc. in the Government/Municipal/other public schools, hospitals and dispensaries etc. or in other public buildings.

e. Provision of Roof top rainwater harvesting (RWH) and other water conservations activities in the Government/ Municipal/ other public schools, hospitals and dispensaries etc. or in other public buildings.

f. Solid waste management including composting/vermi-composting, Indian authorized approaches of reuse, recycle, Material Recovery Facility (MRF) to reach zero waste condition.

g. Development and establishment for alternatives to single use plastic (SUP), and plastic carry bags.

h. Other activities relating to amelioration of air, water & soil pollution as prescribed in the applicable District Environment Plan (DEP) https://decc.punjab.gov.in/ in which gaps exist and which are not the statutory responsibility of Government Departments / Agencies.

i. Need based environmental activities as proposed by the project proponent/their accredited consultants for the amelioration of air, water & soil pollution on the basis of site specific field surveys of the project and nearby areas and approved by SEIAA/SEAC/PPCB.

j. Preparation of Peoples Biodiversity Register (PBR) at all levels (District, block & village), conservation of biodiversity heritage sites (BHS) of Punjab, Eco zones Hotspots, bird sanctuaries.

k. Environmental awareness activities/celebrations/programmes, preparation and distribution of resource material for abatement and control of pollution and restoration of environment of Punjab and approved by SEIAA/SEAC/PPCB/academic experts.

l. Dust suppression by use of vacuum cleaners, sprinklers, fountains, misting machines/vehicles/artificial rain etc.

m. Scientific and environmentally sound management or recovery facilities of ewaste, C&D waste, plastic waste, toxic/hazardous waste, bio-medical waste, industrial wastes, dairy/Gaushala waste.

n. Promotion and development of eco-tourism areas/activities, green buildings, agriculture diversity, organic/natural farming/herbal/medicinal/botanical gardens, electric vehicles, cleaner fuels, biodegradable materials.

o. Control and In-situ/Ex-situ management of stubble burning (Parali) in Punjab.

p. Clean and innovative technologies for reduction of water, air and solid waste pollutants and reuse, recycling of resource materials.

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

(iii) The EIA study shall include a specific report on the on the special measures to be adopted to ensure that the establishment of the unit does not lead to further Air pollution in the area.

Item No. 225.03: Application for TORs for Steel Manufacturing Unit M/s Kalsi Alloys located at G.T Road, Doraha, Tehsil Payal, District Ludhiana, Punjab for increasing the production capacity from 84 TPD to 180 TPD of Billets/Ingots or Rolled Products (Wire rods, Flats, TMT Bars etc.) (Proposal No. SIA/PB/IND1/405044/2022)

The industry is an existing steel manufacturing unit engaged in manufacturing of Ingots @ 84 TPD with one Induction Furnace of capacity 7 TPH. The industry was granted Consent to Operate under the provisions of Water Act 1974 & Air Act 1981 for the manufacturing of 84 TPD of Steel Ingots, which is valid upto 30.06.2023.

The industry has proposed to carryout expansion of its unit located at G.T Road, Doraha, Tehsil Payal, District Ludhiana, Punjab by installing Induction Furnace of capacity 12 TPH and one rolling mill, thereby increasing the production capacity to 180 TPD (63000 TPA). The Project is covered under Schedule 3(a) & Category 'B1' as per EIA Notification, 2006.

The industry submitted the application form, Pre-feasibility report and other additional documents through online portal. The total cost of the project after expansion has been mentioned as Rs. 11.1693 Crores. The industry is required to deposit total amount of Rs. 111693/- out of which 25% of the applicable fee i.e. Rs. 27,924/- is required to be paid at the time of ToR. The industry has deposited Rs. 30,395/- vide NEFT No. N305222187011662 dated 01.11.2022 as checked & verified by the supporting staff of SEIAA.

The industry is required to specify as to whether General Conditions applicable to the category 3(a) of the project is satisfied or not.

1.0 Deliberations during 233rd meeting of SEAC held on 29.11.2022.

The case was considered by the following:

(i) Mr. Gurmukh Singh, Partner M/s Kalsi Alloys.
(ii) Mrs. Jyoti Rani, EC Coordinator, M/s Eco laboratories Pvt. Ltd.

SEAC allowed the Environmental Consultant of the project proponent to present the reply to the observations made by it in the meeting of SEAC as under:

Sr. No.	Description	Details
1.	**Basic Details**	
1.1	Name of Industry & Project proponent:	M/s Kalsi Alloys Mr. Gurmukh Singh (Partner)

<table>
<tr><td>1.2</td><td>Proposal</td><td>SW/106454/2022</td></tr>
<tr><td>1.3</td><td>Location of Industry</td><td>G.T Road, Doraha, Tehsil Payal, District Ludhiana, Punjab (141421)</td></tr>
<tr><td>1.4</td><td>Details of land area and built-up area</td><td>Breakup of the project area is given below:
<table>
<tr><th>Sr. No.</th><th>Description</th><th>Total area (in sq.m.)</th><th>Area in %</th></tr>
<tr><td>1.</td><td>Existing shed covered area</td><td>2,880.89</td><td>39.27</td></tr>
<tr><td>2.</td><td>Plantation area</td><td>1,100.24</td><td>15</td></tr>
<tr><td>3.</td><td>Passage area</td><td>1,300.63</td><td>17.74</td></tr>
<tr><td>4.</td><td>Parking area</td><td>298.21</td><td>4.06</td></tr>
<tr><td>5.</td><td>Open & utility areas</td><td>417.09</td><td>5.69</td></tr>
<tr><td>6.</td><td>Proposed shed covered area</td><td>1,337.80</td><td>18.23</td></tr>
<tr><td colspan="2">Total area</td><td>7334.927 sq. m. (1.8125 acres)</td><td>100%</td></tr>
</table>
Permission for Change of Land Use for the total land area of 1.8125 acres has been accorded to the industry vide letter no. 2282-STP (L) TW-12 dated 23.10.2000.</td></tr>
<tr><td>1.5</td><td>Category under EIA notification dated 14.09.2006</td><td>3(a): Metallurgical Industries (ferrous & non-ferrous)</td></tr>
<tr><td>1.6</td><td>Cost of the project</td><td>Existing Cost of the project is Rs. 4.3693 Crores
Proposed cost for expansion is Rs. 6.80 Crores
Total cost of the project after expansion will be Rs. 11.1693 Crores.</td></tr>
<tr><td>1.7</td><td>Compliance of Public Hearing Proceedings</td><td>To be submitted with final EIA report.</td></tr>
<tr><td>2.</td><td colspan="2">Site Suitability Characteristics</td></tr>
<tr><td>2.1</td><td>Whether site of the industry is suitable as per the provisions of Master Plan:</td><td>Yes. Project location falls within the Industrial Zone as per Master Plan of Ludhiana.</td></tr>
</table>

2.2	Whether supporting document submitted in favour of statement at 2.1, details thereof: (CLU/ building plan approval status)	Master Plan showing project location has been submitted with the report. Further, CLU has been obtained from Department of Town and Country Planning, Punjab for existing area of project.
3.	**Forest, Wildlife and Green Area**	
3.1	Whether the industry required clearance under the provisions of Forest Conservation Act 1980 or not:	No forest land is involved in the project. Undertaking regarding the same has been submitted.
3.2	Whether the industry required clearance under the provisions of Punjab Land Preservation Act (PLPA) 1900:	Not applicable, as no PLPA land is involved. Undertaking regarding the same has been submitted.
3.3	Whether industry required clearance under the provisions of Wildlife Protection Act 1972 or not:	No NBWL permission is required as no Wildlife Sanctuary falls within 10 km radius of project location.
3.4	Distance of the industry from the	Nearest Critically Polluted area is Cluster IV of Ludhiana which is located at a distance of approx. 7.5 km from the project site in 'NW'

<table>
<tr><td></td><td>Critically Polluted Area.</td><td>direction.</td></tr>
<tr><td>3.5</td><td>Whether the industry falls within the influence of Eco-Sensitive Zone or not. (Specify the distance from the nearest Eco sensitive zone)</td><td>No; as no Eco-sensitive zone falls within 10 km of the project location.</td></tr>
<tr><td>3.6</td><td>Green area requirement and proposed No. of trees:</td><td>1,100.24 sq.m has been proposed within existing unit which comes out to be 15%. In order to meet 33% green area requirement, additional land has been purchased located at a distance of 820m from project location in ‘N’ direction. Thus, green area provided on additional land will be 1,618.72 sq.m. Thus, total green area will be 2,718.96 sq.m. which comes out to be 37.06%. Additional, 1618.72 sq.m. of land has been purchased in order to meet 33% green area requirement outside of project premises.

Total 408 no. of trees to be planted @ 1,500 trees per hectare.</td></tr>
<tr><td>4.</td><td colspan="2">Configuration & Population</td></tr>
<tr><td>4.1</td><td>Raw materials, products & machinery details</td><td><u>Raw Materials</u>:
<table>
<tr><td></td><td>Existing</td><td>Proposed</td><td>After Expansion</td></tr>
<tr><td>Materials</td><td colspan="3">Scrap & Ferro Alloys</td></tr>
<tr><td>Quantity</td><td>92 TPD</td><td>100 TPD</td><td>192 TPD
(67,200 TPA)</td></tr>
</table>
<u>Products</u>:
<table>
<tr><td></td><td>Existing</td><td>Proposed</td><td>After Expansion</td></tr>
<tr><td>Products</td><td>Ingots</td><td>Billets or Rolled</td><td>Billets/Ingots or</td></tr>
</table></td></tr>
</table>

<table>
<tr><td></td><td></td><td>
<table>
<tr><td></td><td></td><td>Products</td><td>Rolled Products</td></tr>
<tr><td>Quantity</td><td>84 TPD</td><td>96 TPD</td><td>180 TPD (63,000 TPA)</td></tr>
</table>
<u>Machinery</u>:
<table>
<tr><td></td><td>Existing</td><td>Proposed</td><td>After Expansion</td></tr>
<tr><td>Induction Furnace</td><td>1 × 7 TPH</td><td>1 × 12 TPH</td><td>1 × 12 TPH</td></tr>
<tr><td>Rolling Mill</td><td>-</td><td>1</td><td>1</td></tr>
</table>
</td></tr>
<tr><td>4.2</td><td>Population details</td><td>In the existing unit, 30 workers including both technical & non-technical are working. Residing facility to 10 workers has been provided within project premises.

For proposed expansion, additional 30 workers will be required. Thus, after expansion, total 60 workers will be working; out of which 15 workers will be residing within project premises.</td></tr>
<tr><td>5.</td><td colspan="2">Water</td></tr>
<tr><td>5.1</td><td>Total fresh water requirement:</td><td>After expansion, total water requirement of the project will be 34 KLD; out of which fresh water requirement will be 31 KLD.</td></tr>
<tr><td>5.2</td><td>Source:</td><td>Ground water (2 No. borewell)</td></tr>
<tr><td>5.3</td><td>Whether Permission obtained for abstraction/supply of the fresh water from the Competent Authority (Y/N)

Details thereof</td><td>Permission will be obtained from PWRDA for abstraction of ground water and will be submitted with final EIA report.</td></tr>
</table>

5.4	Total water requirement for domestic purpose:	After expansion the domestic water requirement for the project is estimated to be 4 KLD.
5.4.1	Total wastewater generation:	After expansion, approx. 3.2 KLD of domestic wastewater will be generated which will be treated in proposed STP of capacity 5 KLD.
5.4.2	Treatment methodology for domestic wastewater: (STP capacity, technology & components)	After expansion, approx. 3.2 KLD of domestic wastewater will be generated which will be treated in proposed STP of capacity 5 KLD based on MBBR Technology. Treated water will be reused for cooling purpose within the project premises.
5.5	Total water requirement for industrial purpose:	After expansion, make-up water demand for cooling purpose is estimated to be 24 KLD.
5.5.1	*Total effluent generation:*	No industrial effluent is being generated and after expansion also no industrial effluent will be generated.
5.5.2	*Treatment methodology for industrial wastewater:* *(ETP capacity, technology & components)*	Not applicable, as no industrial effluent will be generated.
5.6	Details of utilization of treated wastewater into green area in summer, winter and rainy season:	Nil

<table>
<tr><td>5.7</td><td>Utilization/ Disposal of excess treated wastewater.</td><td colspan="6">Not applicable, as treated water will be reused for cooling purpose within project premises.</td></tr>
<tr><td>5.8</td><td colspan="7">Cumulative Details:
<table>
<tr><th>S. No.</th><th>Total water Requirement</th><th>Total wastewater generated</th><th>Treated wastewater</th><th>Treated wastewater reuse</th><th>Green area requirement</th><th>Into sewer</th></tr>
<tr><td>1.</td><td>34 KLD
Domestic water demand 4 KLD
Make-up water demand for cooling purpose 24 KLD
Green area water demand 6 KLD</td><td>3.2 KLD</td><td>3 KLD</td><td>3 KLD (Reused for cooling purpose)</td><td>6 KLD (for Summer season @ 5.5 lt/sq.m./day)</td><td>0</td></tr>
</table></td></tr>
<tr><td>5.9</td><td>Rain water harvesting proposal:</td><td colspan="6">No rain water recharging pits has been proposed within project premises. Thus, rain water recharging will be done outside of project premises by adopting pond. NOC will be obtained from Sarpanch of the Village regarding pond adoption and copy of the same along with detailed rain water recharging proposal will be submitted with EIA report.</td></tr>
<tr><td>6.</td><td colspan="7">Air</td></tr>
</table>

6.1	Details of Air Polluting machinery:	Source of air pollution after expansion are given below:

Sr. No.	Machinery	Description
1.	Induction Furnaces	1 × 12 TPH
2.	DG sets	2 × 125 KVA

6.2	Measures to be adopted to contain particulate emission/ Air Pollution	The details of the sources of pollution and its mitigation measures are given below:

Sr. No.	Source	Capacity	Chimney Height	APCD
1.	Induction Furnaces	1 × 12 TPH	30 m	Side suction hood followed by bag filter as APCD of capacity 60,000 CMH.
2.	DG Sets	2 × 125 KVA	3 m each	Canopy

7.	**Waste Management**	
7.1	Slag generation & its management	Approx. 2.8 TPD of slag is being generated from the existing unit which is disposed off in low lying areas. After expansion, Approx. 5.8 TPD of slag will be generated; out of which 20% will be reused for metal recovery within the project premises and remaining 80% will be given to Tiles/Block manufacturing unit for co-processing.
7.2	APCD dust generation & its management	0.05 TPD of APCD dust is being generated in existing unit under Category 35.1 of Schedule I. After expansion, 0.5 TPD of APCD dust will be generated under Category 35.1 of Schedule I.
7.3	Solid waste generation & its management (Mechanical Composter/ Compost pits)	Approx. 8 kg/day of domestic solid waste is being generated from existing unit. After expansion, Approx. 15 kg/day of domestic solid waste will be generated, which will be managed as per SWM Rules, 2016.

<table>
<tr><td>7.4</td><td>Hazardous Waste generation & its management</td><td>Details of the hazardous waste to be generated is given below:
<table>
<tr><th rowspan="2">Sr. No.</th><th rowspan="2">Description</th><th colspan="2">Quantity</th></tr>
<tr><th>Existing</th><th>Total After Expansion</th></tr>
<tr><td>1.</td><td>Cat 35.1 Qty (APCD dust)</td><td>0.05 TPD</td><td>0.5 TPD</td></tr>
<tr><td>2.</td><td>Cat 5.1 Qty (Spent Oil)</td><td>0.05 KLA</td><td>0.2 KLA</td></tr>
</table>
Authorization of hazardous waste has been obtained from PPCB and agreement has been done with M/s Nimbua Greenfield (Punjab) Ltd. for disposal of APCD dust. Used oil given to authorized vendor.</td></tr>
<tr><td>8.</td><td colspan="2">Energy Saving & EMP</td></tr>
<tr><td>8.1</td><td>Power Consumption:</td><td>Energy requirement is given below:
<table>
<tr><th>Sr. No.</th><th>Description</th><th>Existing</th><th>Total After Expansion</th></tr>
<tr><td>1.</td><td>Power load</td><td>2,500 KW</td><td>4,000 KW</td></tr>
<tr><td>2.</td><td>DG sets</td><td>1 × 125 KVA</td><td>2 × 125 KVA</td></tr>
</table>
Source: PSPCL</td></tr>
<tr><td>8.2</td><td>Energy saving measures:</td><td><u>Energy Saving measures:</u>
a) LEDs provided in place of CFL.
b) Energy Efficient Induction Furnace and other machinery will be installed.</td></tr>
</table>

During meeting, the Committee observed that the proposed activity attracts the provisions of the category 3(a) of the schedule appended with EIA notification dated 14.09.2006. The General Conditions are applicable to the said category. The industry has mentioned in the application proposal that the distance of the proposed project site from the nearest Critically Polluted area is approx. 7.5 km. The Committee asked the industry to submit the Master Plan of Ludhiana indicating the location of project site w.r.t the MC limits of Ludhiana. In this regard, the industry has submitted the Master Plan of Ludhiana indicating the distance of the project site from the boundary of MC Limits of Ludhiana as 7.5Km. The industry further apprised the Committee that as the distance of the project site is more than 5Km from the MC limits of Ludhiana, which encompasses the critically polluted boundary of Ludhiana. Therefore, the criteria of General

Conditions are not satisfied. The industry is required to be appraised at the level of SEIAA, Punjab. The Committee noted the same.

After detailed deliberations, the Committee decided to forward the application of the industry to SEIAA with the recommendation to grant Terms of References (ToR) for Steel Manufacturing Unit M/s Kalsi Alloys located at G.T Road, Doraha, Tehsil Payal, District Ludhiana, Punjab for increasing the production capacity from 84 TPD to 180 TPD of Billets/Ingots or Rolled Products (Wire rods, Flats, TMT Bars etc.) subject to the standard ToR as under:

Standard ToR

1. **Introduction**

i. Background about the project

ii. Need of the project

iii. Purpose of the EIA study

iv. Scope of the EIA study

2. **Project description**

A. Site Details

i. Location of the project site covering village, Taluka/Tehsil, District and State.

ii. Site accessibility

iii. A digital toposheet in pdf or shape file compatible to google earth of the study area of radius of 10km and site location preferably on 1:50,000 scale. (including all eco-sensitive areas and environmentally sensitive places).

iv. Latest High-resolution satellite image data having 1m-5m spatial resolution like quickbird, Ikonos, IRS P-6 pan sharpened etc., along with delineation of plant boundary co-ordinates. Area must include at least 100m all around the project location.

v. Environment settings of the site and its surrounding along with map.

vi. A list of major industries with name, products and distance from plant site within study area (10km radius) and the location of the industries shall be depicted in the study area map.

vii. In case if the project site is in vicinity of the water body, 50 meters from the edge of the water body towards the site shall be treated as no development/construction zone. If it's near the wetland, Guidelines for implementing Wetlands (Conservation and Management) Rules, 2017 may be followed.

viii. In case if the project site is in vicinity of the river, the industry shall not be located within

the river flood plain corresponding to one in 25 years flood, as certified by concerned District Magistrate/Executive Engineer from State Water Resources Department (or) any other officer authorized by the State Government for this purpose as per the provisions contained in the MoEF&CC Office Memorandum dated 14/02/2022.

ix. Type of land, land use of the project site.

x. Status of acquisition of land. If acquisition is not complete, stage of the acquisition process as per the MoEF&CC O.M. dated 7/10/2014 shall be furnished.

xi. Engineering layout of the area with dimensions depicting existing unit as well as proposed unit indicating storage area, plant area, greenbelt area, utilities etc. If located within an Industrial area/Estate/Complex, layout of Industrial Area indicating location of unit within the Industrial area/Estate.

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

i. Status of Forest Clearance for the use of forest land shall be submitted.

ii. Copy of application submitted for clearance under the Wildlife (Protection) Act, 1972, to the Standing Committee of the National Board for Wildlife if the project site located within notified Eco-Sensitive Zone, 10km radius of national park/sanctuary wherein final ESZ notification is not in place as per MoEF&CC Office Memorandum dated 8/8/2019.

iii. The projects to be located within 10 km of the National Parks, Sanctuaries, Biosphere Reserves, Migratory Corridors of Wild Animals, Eco-sensitive Zone and Eco-sensitive areas, the project proponent shall submit the map duly authenticated by Divisional Forest Officer showing the distance between the project site and the said areas.

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

C. Salient features of the project

i. Products with capacities in Tons per Annum for the proposed project.

ii. If expansion project, status of implementation of existing project, details of existing/proposed products with production capacities in Tons per Annum.

iii. Site preparatory activities.

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

v. Other than raw materials, other chemicals and materials required with quantities and storage capacities.

vi. Manufacturing process details along with process flow diagram of proposed units.

vii. Consolidated materials and energy balance for the project.

viii. Total requirement of surface/ ground water and power with their respective sources, status of approval.

ix. Water balance diagram

x. Details of Emission, effluents, hazardous waste generation and mode of disposal during construction as well as operation phase.

xi. Man-power requirement.

xii. Cost of project and scheduled time of completion.

xiii. Brief on present status of compliance (Expansion/modernization proposals)

a. Cumulative Environment Impact Assessment for the existing as well as the proposed expansion/modernization shall be carried out.

b. In case of ground water drawl for the existing unit, action plan for phasing out of ground water abstraction in next three years except for domestic purposes and shall switch over to 100 % use of surface water from nearby source.

c. Copy of all the Environment Clearance(s) including Amendments thereto obtained for the project from MoEF&CC/SEIAA shall be attached as an Annexure. A certified copy of the latest Monitoring Report of the Regional Office of the Ministry of Environment and Forests as per circular dated 30th May, 2012 on the status of compliance of conditions stipulated in all the existing environment clearances including amendments shall be provided.

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

3. Description of the Environment

i. Study period

ii. Approach and methodology for data collection as furnished below.

Attributes	**Sampling**	**Remarks**

	Network	**Frequency**	
A. Air Environment			
Micro- Meterological . Wind speed (Hourly) . Wind direction . Bry bulb temperature . Wet bulb temperature . Relative humidity . Rainfall . Solar radiation . Cloud cover . Environmental Lapse Rate	Minimum 1 site in the project impact area	1 hourly continuous	. IS 5182 Part 1-20 . Site specific primary data is essential . secondary data from IMD, New Delhi . CPCB guidelines to be considered.
Pollutants . PM2.5	At least 8-12 locations	As per National Ambient Air Quality Standards, CPCB Notification.	. Sampling as per CPCB guidelines . Collection of AAQ data (except in monsoon season) . Locations of various stations for different parameters should be related to the characteristic properties of the parameters. . The monitoring stations shall be based on the NAAQM standards as per GSR 826(E) dated 16/11/2009 and take into account the predominant wind direction, population zone and
. PM10			
. SO2			
. NOx			
. CO			
. HC			
. Other parameters relevant to the project and topography of the area			

			sensitive receptors including reserved forests, . Raw data of all AAQ measurement for 12 weeks of all stations as
Attributes	**Sampling**		**Remarks**
	Network	**Frequency**	per frequency given in the NAAQM Notification of 16/11/2009 along with min., max., average and 98% values for each of the AAQ parameters from data of all AAQ stations should be provided as can annexure to the EIA Report.
B. Noise			
. Hourly equivalent noise levels	At least 8-12 locations	As per CPCB norms	
C. Water			
Parameters for water quality . pH, temp, turbidity, magnesium hardness, total alkalinity, choride, sulphate, nitrate, fluoride, sodium, potassium, salinity . Total nitrogen, total phosphorus, DO, BOD, COD, Phenol . Heavy metals	Samples for water quality should be collected and analyzed as per: . IS: 2488 (Part 1-5) methods for sampling and testing of Industrial effluents . Standard methods for examination of water and wastewater analysis published by American Public Health Association.		

. Total coliforms, faecal coliforms . Phyto plankton . Zoo plankton		
For River Bodies . Total Carbon . pH . Dissolved Oxygen . Biological Oxygen Demand . Free NH4 . Boron . Sodium Absorption Ratio . Electrical	. Surface water quality of the nearest River (60m upstream and downstream) and other surface water	. Yield of water sources to be measured during critical season . Standard methodology for collection of surface water (BIS standards)

Attributes	**Sampling**		**Remarks**
	Network	**Frequency**	
Conductivity	bodies		
For Ground Water	. Ground water monitoring data should be collected at minimum of 8 locations (from existing wells/tube wells/ existing current records) from the study area and shall be included.		
D. Traffic Study			
. Type of vehicles . Frequency of vehicles for transportation of materials . Additional traffic due to proposed project . Parking arrangement			

E. Land Environment	
Soil . Particle size distribution . Texture . pH . Electrical conductivity . Cation exchange capacity . Alkali metals . Sodium Absorption Ratio (SAR) . Permeability . Water holding capacity . Porosity	Soil samples be collected as per BIS specifications
Land use/ Landscape . Location code . Total project area . Topography . Drainage (natural) . Cultivated, forest, plantations, water bodies, roads and settlements	

F. Biological Environment			
Attributes	**Sampling**		**Remarks**
	Network	**Frequency**	
Aquaric . Primary productivity	. 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.		

. Aquatic weeds . Enumeration of phyto plankton, zoo plankton and benthos . Fisheries . Diversity indices . Trophic levels . Rare and endangered species . Marine parks/ Sanctuaries/ closed areas/ coastal regulation zone (CRZ) Terrestrial . Vegetation-species list, economic importance, forest produce, medicinal value . Importance value index (IVI) of trees . Fauna . Avi fauna . Rare and endangered species . Sanctuaries/ National park/ Biosphere reserve . Migratory routes	Indicator species which indicate ecological and environment degradation should be identified and included to clearly state whether the proposed project would result in to any adverse effect on any species. . Samples to collect from upstream and downstream of discharge point, nearby tributaries at downstream, and also from dug wells close to activity site. . For forest studies, direction of wind should be considered while selecting forests. . Secondary data to collect from Government offices, NGOs, published literature.
F. socio-economic	
. Demographic structure . Infrastructure resource base	. Socio-economic survey is based on proportionate, stratified and random sampling method. . Primary data collection through questionnaire

. Economic resource base . Health status: Morbidity pattern . Cultural and aesthetic attributes	. Secondary data from census records, statistical hard books, topo sheets, health records and relevant official records available with Govt. Agencies

Attributes	**Sampling**		**Remarks**
	Network	**Frequency**	
Education			

i. Interpretation of each environment attribute shall be enumeratedand summarized as given below:

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

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

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

Activity	**Environment**	**Ecological**	**Socio-economic**
Construction phase			
Operation phase			

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

c. Construction phase

d. Operation phase

- Details of stack emissions from the existing as well as proposed activity.
- Assessment of ground level concentration of pollutants from the stack emission based on AQIP Modelling The air quality contours shall be plotted on a location map showing the location of project site, habitation nearby, sensitive receptors, if any along with wind rose map for respective period
- Impact on ground level concentration, under normal, abnormal and emergency conditions. Measures to handle emergency situations in the event of uncontrolled release of emissions.

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

a. Construction phase

b. Operation phase

iv. Impact on traffic (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact)

a. Construction phase

b. Operation phase

v. Impact on soil quality (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact)

a. Construction phase

b. Operation phase

vi. Impact on land use (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact)

a. Construction phase

b. Operation phase

vii. Impact on surface water resource and quality (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact)

a. Construction phase

b. Operation phase

viii. Impact on ground water resource and quality (Sources; Embedded control

measures; Assessment; Mitigation measures; Residual impact)

a. Construction phase

b. Operation phase

ix. Impact on terrestrial and aquatic habitat (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact)

a. Construction phase

b. Operation phase

x. Impact on socio-economic environment (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact)

a. Construction phase

b. Operation phase

xi. Impact on occupational health and safety (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact)

a. Construction phase

b. Operation phase

5. Analysis of Alternatives (Technology & Site)

i. No project scenario

ii. Site alternative

iii. Technical and social concerns

iv. Conclusion

6. Environmental Monitoring Program

i. Details of the Environment Management Cell

ii. Performance monitoring schedule for all pollution control devices shall be furnished.

iii. Corporate Environment Policy

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

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

c. What is the hierarchical system or Administrative order of the company to

deal with the environment issues and for ensuring compliance with the environment clearance conditions? Details of this system may be given.

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

iv. Action plan for post-project environment Monitoring matrix:

Activity	Aspect	Monitoring	Location		Frequency	Responsibility
Construction phase						
Operation phase						

7. Additional Studies

i. Public consultation details (Entire proceedings as separate annexurealong with authenticated English Translation of Public Consultation proceedings).

ii. Summary of issues raised during public consultation along with action plan to address the same as per MoEF&CC O.M. dated 30/09/2020

Sr. NO	Physical activity and action plan		Year of implementation (Budget in INR)			Total Expenditure (Rs. In Crores)
	Name of the Activity	Physical Targets	1st	2nd	3rd	

iii. Risk assessment

- Methodology
- Hazard identification
- Frequency analysis
- Consequence analysis
- Risk assessment outcome

iv. Emergency response and preparedness plan

8. Project Benefits

i. Environment benefits

ii. Social infrastructure

iii. Employment and business opportunity

iv. Other tangible benefits

9. Environment Cost Benefit Analysis

i. Net present value

ii. Internal rate of return

iii. Benefit cost ratio

iv. Cost effectiveness analysis

10. Environment Management Plan (Construction and Operation phase)

i. Air quality management plan

ii. Noise quality management plan

iii. Solid and hazardous waste management plan

iv. Effluent management plan

v. Storm water management plan

vi. Rain water harvesting plan

vii. Occupational health and safety management plan

viii. Green belt development plan

ix. Socio-economic management plan

x. Wildlife conservation plan (In case of presence of schedule I species)

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

11. Conclusion of the EIA study

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

SPECIAL CONDITIONS-

1. For Large ISPs, a 3-D view i.e. DEM (Digital Elevation Model) for the area in 10 km radius from the proposal site. MRL details of project site and RL of nearby sources of water shall be indicated.
2. Plan for the implementation of the recommendations made for the steel plants in the CREP guidelines.
3. Plan for solid wastes utilization
4. Plan for utilization of energy in off gases (coke oven, blast furnace)
5. System of coke quenching adopted with justification.
6. Details on environmentally sound technologies for recycling of hazardous materials, as per CPCB Guidelines, may be mentioned in case of handling scrap and other recycled materials.
7. Details on toxic metal content in the waste material and its composition and end use (particularly of slag).
8. Details on toxic content (TCLP), composition and end use of slag.
9. 100 % dolo char generated in the plant shall be used to generate power.
10. Fourth Hole fume extraction system shall be provided for SAF.WHR system shall be installed to recover sensible heat from flue gases of EAF. Provision for installation of jigging and briquetting plant to utilise the fines generated in the process.
11. No tailing pond is permitted for Iron ore slimes. Dewatering and filtration system shall be provided.
12. Emission/effluent norms as per G.S.R 894 (E) dated 4/12/2019.

2.0 Deliberations during 225th meeting of SEIAA held on 13.12.2022.

The case was considered by SEIAA in its 225th meeting held on 13.12.2022 which was attended by the following:

(i) Mr. Gurmukh Singh, Partner M/s Kalsi Alloys.
(ii) Mrs. Jyoti Rani, EC Coordinator, M/s Eco laboratories Pvt. Ltd.

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

To a query by SEIAA regarding the amount to be spent for amelioration of the environment in lieu of the CER activities, the project proponent informed that an amount of Rs 15 lakhs will be spent on these activities and the details will be submitted along with EIA report.

SEIAA observed that Ludhiana and its surrounding areas are highly polluted. Environmental Consultant shall, therefore, submit a detailed report regarding the special measures to be taken by the industry to control Air Pollution along with the EIA report. SEIAA decided to impose an additional ToR in this regard.

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

(i) The project proponent shall submit four copies of draft EIA report (2 each for SEIAA and SEAC) in advance so that the said EIA reports can be studied thoroughly by SEIAA / SEAC. This will facilitate incorporation of the suggestions / inputs of SEIAA / SEAC as also timely addressal of their concerns in the final EIA report.

(ii) The project proponent shall undertake activities for the amelioration of the environment in the vicinity of the Project in lieu of CER activities. An amount of Rs 33 lakhs will be provided for such activities and the detailed proposal of the same along with implementation timelines will be submitted along with EIA report at the time of obtaining EC. As decided in the 14th Joint meeting of SEIAA / SEAC held on 13.07.2022, the following activities may, *inter alia,* be undertaken in lieu of CER:

a. Development of mini forests (Nanak Bagichi), urban forests, green belts, biodiversity parks etc., raising of avenue plantations and plantations in public/community areas/ educational institutions/Govt. buildings/banks of rivers/cantonment areas or any other land made available by the Govt. agencies and other institutions.

b. Cleaning and rejuvenation of village ponds, water bodies, wetlands, storm drains etc. (treatment of village sewer pond using PPCB and other approved scientific models)

   For rejuvenation of Ponds:

   https://ppcb.punjab.gov.in/sites/default/files/documents/Action-Plan-forRejuvenation-of-Ponds- 31.03.20.pdf

   Guidelines for restoration of Water Bodies

   https://ppcb.punjab.gov.in/sites/default/files/documents/Indicative%20Guidelines%20for%20Restoration%20of%20Water%20Bodies%20by%20CPCB.pdf

   Technical Committee Report

   https://ppcb.punjab.gov.in/sites/default/files/documents/Report%20of%20Technical%20Committee%20For%20Treatment%20of%20Wastewater%20of%20Village%20Pond.pdf.

c. Development of infrastructure

- for utilization of treated effluent of STPs (double plumbing, construction work roadside sprinkling and
- for reuse of STP/ETP sludge as farmyard manure (FYM) or 'other activities approved by CPCB/PPCB/MoEF&CC.
- for replacing soakage pits and/or providing septic tanks in Govt. education institutions and other Govt. buildings/projects.

d. Provision of solar panels/lights and other energy saving electric devices/equipment's including LED bulbs etc. in the Government/Municipal/other public schools, hospitals and dispensaries etc. or in other public buildings.

e. Provision of Roof top rainwater harvesting (RWH) and other water conservations activities in the Government/ Municipal/ other public schools, hospitals and dispensaries etc. or in other public buildings.

f. Solid waste management including composting/vermi-composting, Indian authorized approaches of reuse, recycle, Material Recovery Facility (MRF) to reach zero waste condition.

g. Development and establishment for alternatives to single use plastic (SUP), and plastic carry bags.

h. Other activities relating to amelioration of air, water & soil pollution as prescribed in the applicable District Environment Plan (DEP) https://decc.punjab.gov.in/ in which gaps exist and which are not the statutory responsibility of Government Departments / Agencies.

i. Need based environmental activities as proposed by the project proponent/their accredited consultants for the amelioration of air, water & soil pollution on the basis of site specific field surveys of the project and nearby areas and approved by SEIAA/SEAC/PPCB.

j. Preparation of Peoples Biodiversity Register (PBR) at all levels (District, block & village), conservation of biodiversity heritage sites (BHS) of Punjab, Eco zones Hotspots, bird sanctuaries.

k. Environmental awareness activities/celebrations/programmes, preparation and distribution of resource material for abatement and control of pollution and restoration of environment of Punjab and approved by SEIAA/SEAC/PPCB/academic experts.

l. Dust suppression by use of vacuum cleaners, sprinklers, fountains, misting machines/vehicles/artificial rain etc.

m. Scientific and environmentally sound management or recovery facilities of ewaste, C&D waste, plastic waste, toxic/hazardous waste, bio-medical waste, industrial wastes, dairy/Gaushala waste.

n. Promotion and development of eco-tourism areas/activities, green buildings, agriculture diversity, organic/natural farming/herbal/medicinal/botanical gardens, electric vehicles, cleaner fuels, biodegradable materials.

o. Control and In-situ/Ex-situ management of stubble burning (Parali) in Punjab.

p. Clean and innovative technologies for reduction of water, air and solid waste pollutants and reuse, recycling of resource materials.

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

(iii) The EIA study shall include a specific report on the on the special measures to be adopted to ensure that the establishment of the unit does not lead to further Air pollution in the area.

Item no. 225.04: Application for amendment in Environmental Clearance under the EIA notification dated 14.09.2006 for manufacturing of steel ingots by M/s Bhawani Casting Pvt. Ltd. at Village Ambey Majra, Mandi Gobindgarh, District Fatehgarh Sahib, Punjab (Proposal No. SIA/PB/IND/294333/2022).

The industry was granted Environmental Clearance under EIA notification dated 14.09.2006 from MoEF&CC vide letter dated 08.04.2015 for the manufacturing of 72,000 MTA steel ingots and 72000 MTA TMT Bars and Flats by installation of 2 no. of induction furnaces of capacity 1x10 TPH and 1x7 TPH and one rolling mill.

The industry has applied for amendment in Environmental Clearance and submitted request letter, Form-4 and six-monthly compliance report dated 23.06.2022 for the period ending March 2022. The cost of the project for amendment shall be Rs. 4.67 Crore. The industry has deposited Rs. 46,700/- vide UTR No. INDBN15110359218 dated 15.11.2022. The adequacy of the fee has been checked and verified by the supporting staff of SEIAA.

As per the application proposal, the industry has proposed to install 1x17TPH of induction furnace in place of the 2 existing induction furnaces of 1x7TPH and 1x10TPH capacities. The industry has also proposed to increase the land area from 5 acre to 11.75 acres by acquiring additional land of 6.75 acres. The industry has obtained permission for Change of Land Use for land area measuring 3.75 acres from Office of Additional Deputy Commissioner, Urban Development-Cum-Competent Authority, Local Govt. Fatehgarh Sahib under PAPRA vide letter No. 1463 dated 02.11.2021. Further industry has also obtained permission for Change of Land Use for land area measuring 3 acres from Senior Town Planner, Punjab vide memo no. 1592 STP (S)/55-11 (FI) dated 13.05.2020.

1.0 Deliberations during 233rd meeting of SEAC held on 29.11.2022.

The meeting was attended by the following:

(i) Sh. Gaurav Gupta, Director M/s Bhawani Castings.
(ii) Sh. Sital Singh, Environmental Consultant, M/s. Chandigarh Pollution Testing Laboratory.
(iii) Sh. Sandeep Singh, Environmental Consultant, M/s. Chandigarh Pollution Testing Laboratory.

During meeting, the Committee apprised that the additional land area of 6.75 acres is acquired to meet the minimum criteria of development of 33% of green area out of total land area. The industry has submitted an affidavit stating that the industry has already developed green belt along the boundary wall of the unit by planting 150 no. of plants of different species covering area about 15-20%. Further, the land area measuring 3.75 acres shall be developed into green area and will not be used for any purpose during life-cycle of the unit. The total plantation area will be 38% of the project area. The Committee took a copy of the affidavit on record.

After detailed deliberations, SEAC decided to forward the application proposal to SEIAA for grant of amendment in Environmental Clearance under EIA notification dated 14.09.2006 subject to the earlier conditions imposed in the Environmental Clearance granted by MoEF&CC vide letter dated 08.04.2015 along with additional condition as under:

Additional Condition:

(i) The industry shall develop minimum 33% of green area out of the total land area by planting trees of minimum 10 ft height.

2.0 Deliberations during 225th meeting of SEIAA held on 13.12.2022.

The case was considered by SEIAA in its 225th meeting held on 13.12.2022 which was attended by the following:

(i) Sh. Ashish K Aggarwal, Director M/s Bhawani Castings.
(ii) Sh. Sital Singh, Environmental Consultant, M/s. Chandigarh Pollution Testing Laboratory.
(iii) Sh. Sandeep Singh and Er. S.S. Matharu, Environmental Consultant, M/s. Chandigarh Pollution Testing Laboratory.

SEIAA observed that the industry has proposed to install 1x17TPH induction furnace in place of existing 1x7TPH and 1x10TPH of induction furnaces. The industry has also proposed to increase the land area from 5 acre to 11.75 acres by acquiring additional land of 6.75 acres. The industry has obtained permission for Change of Land Use for the increased land area.

On a query of SEIAA the Environmental Consultant of the project proponent presented the 6 monthly compliance report of the EC conditions. SEIAA observed that the EC for this project was granted more than 7 years ago by the MOEF. In case proper tree plantation and maintenance had been undertaken by the industry, a mini forest would have been developed by now instead of which the project proponent was only able to show photographs of a few poorly growing and scattered ornamental trees. SEIAA expressed strong displeasure in this regard. To this, the project proponent submitted that they had already proposed to carry out plantation in extra land of 3.75 acres which will be exclusively dedicated for plantation of indigenous trees and total green area of 38% shall be dedicated for this purpose and that an affidavit in this regard had already been submitted to SEAC. The Authority observed that it was also the duty of Environmental Consultant engaged by the project proponent to guide the industry regarding compliance of EC conditions including meeting with the requirement of the plantation. SEIAA decided that the project proponent shall carry out plantation of 10 feet tall plants of indigenous tree species in at least 33 % of its total area. Ornamental trees, lawns and shrubs / bushes will not be included in the 33 % area to be permanently maintained under tree cover. The Environmental Consultant of the project proponent shall submit a special compliance report in this regard on 1.08.2022 along with short video clips and photographs.

SEIAA observed that the case stands recommended by SEAC for grant of amendment in the Environmental Clearance earlier issued to the project. SEIAA also examined the details of the case and was satisfied with the same since the proposed amendment does not entail any additional production or increase in environmental load of the project.

After detailed deliberations, SEIAA decided to accept the recommendations of SEAC and amend the Environmental Clearance granted by MoEF&CC on 08.04.2015 for the manufacturing of 72,000 MTA steel ingots and 72000 MTA TMT Bars and Flats by installation of 2 no. of induction of capacity 1x10 TPH and 1x7 TPH and one rolling mill, as per the Table-1 given below with all other details and conditions remaining same as in the original Environmental Clearance and the following amendments and additional condition:

Table 1

Sr. No.	Description	As per earlier EC	Proposal	After amendment
1.	Production capacity	Ingots – 72,000 TPA TMT Bars, Flats, - 72000 TPA	No Change	Ingots – 72,000 TPA TMT Bars, Flats, - 72000 TPA
2.	Machinery	Induction Furnaces- 2 no. (1x7 TPH, 1x10 TPH capacity) Rolling Mill- 1 no.	Induction Furnaces- 1 no. (17 TPH capacity) Rolling Mill- 1 no.	Induction Furnaces- 1 no. (17 TPH capacity) Rolling Mill- 1 no.
3	Area	5 acres	6.75 acres	11.75 acres

Additional Condition:

The project proponent shall carry out plantation of 10 feet tall plants of indigenous tree species in at least 38 % of its total area. Ornamental trees, lawns and shrubs / bushes will not be included in the 38 % area to be permanently maintained under tree cover. The Environmental Consultant of the project proponent shall submit a special compliance report in this regard on 01.08.2023 along with short video clips and photographs.

Item no. 225.05: Application for Environmental Clearance under EIA notification dated 14.09.2006 for establishment of residential-cum-commercial complex "Palm Garden" in the revenue estate of Village Sahnewal Khurd Bilga, Tehsil & District Ludhiana, Punjab by M/s Malhotra Land Developers & Colonizers Private Limited. (Proposal No. SIA/PB/MIS/45626/2018).

The Project Proponent has submitted an application for obtaining Environmental Clearance under EIA notification dated 14.09.2006 for establishment of residential cum commercial complex "Palm Garden" in the revenue estate of Village Sahnewal Khurd Bilga, Tehsil & District Ludhiana. The total plot area of the project is 165.80 acres having built up area of 2,28,557.84 sqm. The project is covered under activity B2 & category 8 (b) of the schedule appended with the EIA notification 14.09.2006.

The Project was earlier issued Terms of Reference vide no. SEIAA/2960 dated 21.07.2016 for preparation of the EIA study report. Thereafter, the project was again issued additional specific Terms of Reference w.r.t the violation committed by the project proponent. The details of the additional specific ToR issued are as under:

1. *The project proponent shall make an assessment o ecological damage done and economic benefit derived due to violation and prepare remediation plan and natural & community resource augmentation plan and it shall be prepared as an independent chapter in the environment impact assessment report by the accredited consultants. The collection and analysis of data for assessment of ecological damage, preparation of remediation plan and natural and community resource augmentation plan shall be done by an environmental laboratory duly notified under Environment (Protection) Act, 1986, or a environmental laboratory accredited by National Accreditation Board for Testing and Calibration Laboratories, or a laboratory of a Council of Scientific and Industrial Research institution working in the field of environment.*
2. *The project proponent will submit copy of Memorandum of Article & Association/ Partnership deed / undertaking of sole proprietorship / list of Directors and names of other persons responsible for managing the day-to – day affairs of the project.*

The Project Proponent mentioned in the application proposal that developmental work pertaining to the 998 plots to be constructed has been carried out up to 3.11% and for shops up to 7.19% and the overall project completion status is less than 20%.

The Project Proponent has submitted an affidavit dated 19.10.2019 to the effect that some construction has been carried out in the complex without obtaining Environmental Clearance in violation of the EIA notification dated 14.09.2006. He further undertakes that the violation committed was inadvertent and the project management has stopped all the construction

activity at site. There shall be no further construction activity till the project is granted Environmental Clearance.

The Project Proponent has submitted Final EIA report after incorporating the compliance of Terms of Reference issued by SEIAA. The total cost of the project is Rs. 21.55/- Crore. The Project Proponent has deposited Rs. 2,28,558/- through online system (Rs. 2,01,600/- deposited on 24.01.2022 & Rs. 26,960/- on 15.03.2022). The adequacy of the fee deposited by the promoter company was checked & verified by supporting staff SEIAA.

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

PPCB was requested to send the latest construction status report of the project through e-mail on 19.04.2022. Punjab Pollution Control Board vide letter no. 1602 dated 02.05.2022 has sent the latest construction status report with details as under:

"In reference to above it is intimated that the industry has submitted an application for obtaining Environment Clearance for the project namely "Palm Garden" at NH1 GT Road Sahnewal Khurd Bilga Majjara Ludhiana, Punjab (Proposal No. SIA/ PB/ MIS/45626/2018) and SEAC Punjab has requested to submit the report on the following:

1. *Percentage completion of various activities such as group housing 1 & 2, EWS, plots, SCOs, shall also be informed.*
2. *Status of physical structures within 500 m radius of the site including the status of industries, drain, river, eco-sensitive structure if any.*
3. *Whether the site is meeting the prescribed criteria for setting up of such type of projects. Please send the clear-cut recommendation.*

To verify the latest status the site of the project was visited by officer of the Board on 22.04.2020 and the point wise reply is as under: -

1. *The project proponent has proposed 2 no. Group Housing section and 1 no. EWS black, however no construction activity regarding same has been started yet. Further the project proponent has proposed 998 residential plots out of which only 31. no. plots i.e. 3% approx. have been constructed only wherein 23 families are residing in 23 houses. The project proponent has proposed 153 No. Commercial shops out of which construction of 11 commercial shops has been completed, but no commercial shop has been occupied till date. Therefore, 7% approx. construction of commercial shops has been completed. The project proponent has proposed 71 no. SCOs and no SCO has been constructed yet. Further project proponent has proposed 2 Multiplex, 1 Club, 1 Dispensary, 2 Community center, 1 Temple 1 Gurudwara, 3 Primary School, 1 Higher Secondary School, 1 Public*

Building, but no construction of public facilities and utilities has been started yet. Hence, 8% approx. project has been completed.

2. *There is no drain river and eco-sensitive structure is near by the project. Further a BKO exists approx. 450 M away from the project and a hot mix plant M/s S.S Singla Contractor exists adjoining to the boundary wall of the project which is lying defunct now. Further the industry namely M/s Bansal Spinning Mills exists within 100 m from the project. Earlier, BKO was existing 300 feet away from the site, but same was now permanently closed. The work regarding installation of STP of capacity 200 KLD was almost completed except sand filter and activated carbon filter and the domestic effluent of the occupied house was being discharged onto land for plantation to developed in the form of lawns inside the premises after passing through the septic tank. The project proponent has not provided dual plumbing system for reusing the treated domestic effluent.*
3. *The project proponent was earlier granted NOC vide no. ZO/LDH-1/ RO-2/ 2011/NOC-901 dated 10.03.2011 which was extended upto 30.04.2015 through online with the condition that the project proponent will install STP for treatment of domestic waste before the generation of domestic effluent at the project site and subject to the special conditions that: -*
    a. *The project proponent will not do construction activity at site without Environmental clearance as required under the provisions of EIA notification of MoEF, Govt of India dated 10.09.2006.*
    b. *The project proponent shall provide proper and adequate arrangements for rain water harvesting to take care of ground water recharging in the area.*
    c. *The promoters shall provide a minimum buffer of 15 meter of green belt of broad leaf trees towards M/s Singla Hot Mix Plan and M/s Bansal Spinning mils, which are located within 100 meters from the boundary of the proposed project. The species/ varieties of trees shall be decided in the consultation with forest department.*
    d. *Directions u/s 31-A of Air (Prevention& Control of Pollution) Act 1981 and u/s 33-A of Water (Prevention & Control of Pollution) Act, 1974 were issued to PSPL not to release any electric connection vide letter no. 6841-42 dated 09.02.2013.*

It is further intimated that the project proponent has obtained TOR from State Environment Impact Assessment Authority, Punjab vide no SEIAA/2960 dated 21.07.2016 for development of a residential cum commercial complex namely Palm Garden. The condition of buffer zone has been recorded at the time of Fresh TOR issued by State Environment Impact Assessment Authority, Punjab vide no. SEIAA /2960 dated 21.07.2016 as the area falls in spot zoning. The project proponent has already obtained Certificate from DTP, Ludhiana vide no. 846-CTP (PB)/MLP-6 dated 14.03.2012 and the project proponent was granted CTE from Board for established the project vide letter no. CTE/Fresh/LDH2/2021/ 14232574 dated 16/04/2021 valid upto 15/04/2022.

It is pertinent to mention here that in compliance of the hearing as directed by the State Environment Impact Assessment Authority Punjab to launch prosecution against the project proponents and responsible

persons of the project namely M/s Palm Gardens village Sahnewal khurd bigla Majra, Tehsil & Distt. Ludhiana u/s 15,16 read with section 19 of the Environmental protection) Act, 1986 the complaint has been filed before the Hon'ble Court of chief Judicial Magistrate Ludhiana on 14.03.2016. The next date of hearing of hearing is 08.07.2022.

Form the facts mentioned above, it is clear that the site of the project is meeting with the prescribed criteria for setting up to such type of projects and it is recommended that the advisory may also be issued to the project proponent to comply with the conditions for Consent to Establish granted to the Project proponent."

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

The meeting was attended by the following:

(i) Deepak Ratra, General Manager, M/s Malhotra Land Developers & Colonizers Private Limited.
(ii) Sh. Sandeep Singh, Consultant, M/s. Chandigarh Pollution Testing Laboratory.

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

Sr. No.	Description	Details
1	**Basic Details**	
1.1	Name of Project & Project Proponent:	Palm Garden by M/s Malhotra Land Developers & Colonizers Pvt. Ltd.
1.2	Proposal:	SIA/PB/MIS/45626/2018
1.3	Location of Project:	Village Sahnewal Khurd Bilga, Tehsil & District Ludhiana, Punjab
1.4	Details of Land area & Built up area:	Plot area- 165.80 acre Built up area – 2,28,557.84 sqm
1.5	Category under EIA notification dated 14.09.2006	8 (b)
1.6	Cost of the project	Rs. 2155.51 Lacs
2.	**Site Suitability Characteristics**	
2.1	Whether project is suitable as per the provisions of Master Plan:	The project was approved prior to the finalization of the Master Plan of Ludhiana. A copy of the letter dated 14.03.2012 issued by the Chief Town Planner, Punjab submitted.
2.2	Whether supporting document submitted in favour of statement at 2.1, details thereof: (CLU/building plan approval status)	A copy of the permission for Change of land Use has been obtained vide letter no.- 846, CTP(Pb)/MPL-6 dated 14.03.2012 issued by Chief Town Planner, Punjab wherein it has been mentioned that due to the approval of the residential cum commercial complex prior to the finalization of the Master Plan, Ludhiana, the project is deemed to be adjusted as sanctioned/permitted.
3	**Forest, Wildlife and Green Area**	

3.1	Whether the project required clearance under the provisions of Forest Conservations Act 1980 or not:	Permission for diversion of 0.0563 hectare of forest land for construction of approach road to residential colony has been obtained vide letter no.- 9-BB518/2008-CHA/145 dated 07.01.2009 from department of MoEF&CC, Govt. of India.
3.2	Whether the project required clearance under the provisions of Punjab Land Preservation Act (PLPA) 1900.	
3.3	Whether project required clearance under the provisions of Wildlife Protection Act 1972 or not:	No wildlife area is involved in the project. A self-declaration in this regard submitted.
3.4	Whether the project falls within the influence of Eco-Sensitive Zone or not.	Not applicable as mentioned in the checklist.
3.5	Green area requirement and proposed No. of trees:	Total green area- 45958.7 sqyard No. of trees- 580 trees will be planted at site.

4. Configuration & Population

4.1 Proposal & Configuration

Sr. No.	Description	Area Covered	Percentage Area Covered
1.	Area under Residential Plots	343323.9 sqyard	42.78 %
1 (a)	*Group Housing, I*	5587.10 Sqyard	---
1 (b)	*Group Housing II*	12180.2 sqyard	
2.	Area under Commercial	37848.57 sqyard	4.72 %
3.	Area under EWS	40123.6 sqyard	5 %
4.	Area under Public Building	73966.38 sqyard	9.22%
5.	Area under Parks	45958.78 sqyard	6.03 %
6.	Area under Roads, Pavements, STP, OHSR and others	261250.77 sqyards	32.55%
	Total	**802472 sqyards = 670866.59 sqm. (165.76 acres)**	**100%**

4.2	Population details	15207 persons

5 Water

5.1	Total fresh water requirement:	1754 KLD

5.2 Details of fresh water requirement w.r.t population.

Sr. No	Description	Plots Population /Plot	Total Population	Rate of total water demand/ person (lpcd)	Rate of fresh water demand	Total fresh water	Rate of flushing water requirement (lpcd)	flushing water Requirement /person (KLD)	Total water Requirement (KLD)
A)	**Domestic**								
(i)	Housing Plots (998 Plots)	5 Persons/DU	4990	135	90	449	45	225	674

	ii)	Group Housing-I	300 Persons/Acres	345	135	90	31	45	15	46
	iii)	Group Housing-II	300 Persons/ Acres	756	135	90	68	45	34	102
	iv)	EWS	400 Persons/ Acres	3316	135	90	298	45	149	447
		Total		**9407**					**423**	**1269**
	v)	Visitors (10% of residential population)		941	15	5	5	10	9	14
	vi)	Staff (5% of residential population)		470	45	15	7	30	14	21
	vii)	Commercial (multiple x SCO shops)	100 person/ Acres	782	45	15	12	30	23	35
	viii)	Commercial (Floating)	Floating 90%	704	45	15	11	30	21	32
	ix)	Public Buildings	100 person/ acres	1528	45	15	24	30	45	69
	x)	Public Building (Floating)	Floating 90%	1375	45	15	21	30	41	62
		Total					**926**		**576**	**1502**
5.3	Source:					Ground water				
5.4	Whether Permission obtained for abstraction/supply of the fresh water from the Competent Authority (Y/N) *Details thereof*					A copy of acknowledgment of the application submitted to PWRDA for abstraction of ground water submitted, however quantity of the ground water to be abstracted not specified.				
5.5	Total wastewater generation:					1202 KLD				
5.6	Treatment methodology: *(STP capacity, technology & components)*					STP of 1500 KLD based on SAFF Technology.				
5.7	Treated wastewater for flushing purpose:					576 KLD				
5.8	Treated wastewater for green area in summer, winter and rainy season:					For Horticulture purpose Summer- 252KLD Winter- 83KLD Rainy- 23KLD				

5.9	Utilization/Disposal of excess treated wastewater.	For irrigation in the land area of 8 acres. Summer- 254KLD Winter- 423KLD Rainy- 483KLD
5.10	Cumulative Details:	

Sr. No.	Seasons	Total water Requirement	Total wastewater generated	Treated wastewater	Flushing water requirement	Green area (45958.78 sqyard) requirement	Irrigation in 8 acres of land area
1.	Summer	1502KLD	1202KLD	1082 KLD	576KLD	252 KLD	254 KLD
2.	Winter	1502 KLD	1202 KLD	1082 KLD	576 KLD	83 KLD	423 KLD
3.	Rainy	1502 KLD	1202 KLD	1082 KLD	576 KLD	23 KLD	483 KLD

5.11	Rain water harvesting proposal:	23 rain water harvesting pits will be provided.
6	**Air**	
6.1	Details of Air Polluting machinery:	1. Air pollution during Construction activity, 2. D.G. set
6.2	Measures to be adopted to contain particulate emission/Air Pollution	1. Water sprinkling system shall be installed during construction phase 2. DG sets (capacity 1250 KVA) will be kept in basement and stack height of 6m will be provided.
7	**Waste Management**	
7.1	Total quantity of solid waste generation	6060kg/day
7.2	Details of management and disposal of solid waste (Mechanical Composter/Compost pits)	Not submitted any concrete proposal
7.5	Details of management of Hazardous Waste.	Not submitted any details in this regard.
8	**Energy Saving & EMP**	
8.1	Power Consumption:	6.1MW
8.2	Energy saving measures:	LEDs will be used for energy saving measures. • 250 no. of Solar Lighting will be used for dual lighting system. • LED Street light unit generally consumes about 80 watts of power.
8.3	Details of activities under Environment Management Plan:	

S. No.	Details of various activities to control all type of pollution	Capital Cost (in lacs)	Recurring Cost (Lacs) per annum
(i)	During Construction phase: • Waste Water Treatment facilities • Air Pollution Control Measures • Solid waste management	 10 5 5	 2 1 1

(ii)	During Operation phase: • Waste Water Treatment facilities • Solid Waste Management Facilities • Rain Water Harvesting and Recharging Facilities • Green Belt Development • Miscellaneous	 100 15 12 15 10	 15 10 4 8 3	
	Total	**172**	**45**	

During meeting, the Committee perused the population being estimated for the project and observed that the project proponent has considered only 5 persons per Dwelling Unit in case of the residential plots. However, the Committee was of the opinion that the project proponent should consider at least 15 persons per residential plot. Further, the basis for estimating population for Group Housing-I & II @300 persons/acre, EWS @ 400 persons/acre and commercial & public @100 persons/acre has not been submitted.

The Committee further observed that the project proponent has yet to obtain the permission for abstraction of ground water from PWRDA. In this regard, the project proponent apprised the Committee that the application has already been filed with PWRDA for abstraction of groundwater. The Committee suggested to the Project Proponent that after calculating the population as per above, the water demand may increase and the project proponent has to apply afresh application with PWRDA for abstracting ground water. The Project Proponent agreed to the same and assured the Committee that revised calculation pertaining to the population estimation shall be submitted along with the revised permission for abstraction of ground water.

The Committee further observed that the total green area available with the promoter company is 45958.78 sqyards (38421.5 sqm) as per the approved layout plan. The maximum quantity of treated wastewater which can be utilized for the development of the parks cannot exceed 211 KLD in the summer season, 69 KLD during winter season and 19 KLD during rainy season. However, the promoter company has proposed to utilize 252 KLD, 83 KLD and 23 KLD of treated wastewater during summer, winter & rainy season. The Project Proponent was asked to remove the aforementioned discrepancy and submit the revised calculations pertaining to the disposal of treated wastewater in the green area available within the project. The Project Proponent agreed to the same and assured the Committee that to resubmit the proposal for the utilization of treated wastewater in the green area of 45958.78 sqyards (38421.5 sqm) available within the project.

The Committee further observed that the Project Proponent has not submitted any adequate proposal for utilization of excess treated wastewater of quantity 254 KLD, 423 KLD and 483 KLD in the land area of 8 acres. Further, the land ownership document for 8 acres of land was perused and it was observed that the said land lies in the ownership of M/s Punnu Land Developers Private

Limited. The Project Proponent informed the Committee that M/s Punnu Land Developers is the subsidiary company of the promoter company. The Committee was of the opinion that the land area wherein the treated wastewater of the project has proposed to be disposed of shall lie under the ownership of the Project Proponent. The Committee was not satisfied with the proposal given by the Project Proponent and asked him to suggest some alternate proposal for utilization of excess treated waste water. The Project Proponent agreed to the same and assured the Committee that he shall submit the revised proposal.

The Committee further perused the damage assessment report wherein the Project Proponent has proposed to spend Rs. 46 lacs for carrying out compensatory remediation activities as under:

Sr. No.	Remediation activity	Cost (INR)
1.	Plantation of trees and their maintenance along the national highway on at least 1 km of both sides of the project	Rs. 600,00/-
2.	Storm water management system of surrounding villages Bilga and Rajgarh	10,00,000/-
3.	Provision of battery-operated local transport facility (within and around 5 km of the complex)	15,00,000/-
4.	Provision of Organic Waste Converter for biodegradable Solid waste management in Village Sahnewal Khurd and Kanech	15,00,000/-

The Committee observed that the remediation plan proposed by the Project Proponent is generic in nature. Further, the Project Proponent has not submitted Natural and Community Resource Augmentation Plan. The Committee asked the Project Proponent to assess the damage as per the procedure prescribed by MoEF, GoI and submit the Remediation Plan and Natural & Community Resource Augmentation Plan w.r.t specific activities.

The Committee further observed that the Project Proponent has not submitted proposal for management of solid waste & hazardous waste to be generated from the project. The Committee asked the Project Proponent to submit the solid waste management layout plan by earmarking the land for installation of processing facility for treatment of dry & wet component of solid waste. The Project Proponent was asked to allocate the dedicated land area for carrying out Solid Waste Management within the project premises. The Project Proponent agreed to above and assured the Committee he shall submit the proper mechanism/proposal for management of solid and hazardous waste to be generated from the project.

The Committee further observed that Punjab Pollution Control Board while granting Consent to Establish to the promoter company imposed one condition that the promoter shall provide a minimum buffer of 15 meter of green belt of broad leaf trees towards M/s Singla Hot Mix Plan and M/s Bansal Spinning mils, which are located within 100 meters from the boundary of the

proposed project. The species/ varieties of trees shall be decided in the consultation with forest department. In this regard, the Project Proponent apprised the Committee that the aforementioned industrial units are not in operation and are closed presently. Further, the promoter is exempted from the applicability of the said condition. The Committee asked the Project Proponent to submit the documentary evidence in this regard. The Project Proponent agreed to the same.

After detailed deliberation, SEAC decided to defer the case till the compliance of below mentioned observations.

1. The project proponent shall submit the revised calculation for estimating population for the project by considering 15 persons per residential plot and shall submit the basis for estimating the population for Group Housing-I & II @300 persons/acre, for EWS @400 persons/acre and for commercial & public @100 persons/acre.
2. The Project Proponent shall submit the revised permission for abstraction of ground water from the Competent Authority.
3. The Project Proponent shall submit the revised calculation pertaining to the disposal of treated wastewater in the green area available within the project.
4. The Project Proponent shall submit the alternate proposal for utilization of excess treated wastewater.
5. The Project Proponent shall assess the damage as per the procedure prescribed by MoEF, GoI and submit the Remediation Plan and Natural & Community Resource Augmentation Plan for carrying out specific activities along with timelines.
6. The Project Proponent shall submit the proper mechanism/proposal for management of solid and hazardous waste to be generated from the project.
7. The Project Proponent shall submit the solid waste management layout plan by earmarking the land for installation of processing facility for treatment of dry & wet component of solid waste. The Project Proponent shall allocate the dedicated land area for carrying out Solid Waste Management within the project premises.
8. The Project Proponent shall submit the documentary evidence for exemption of the condition for leaving 15m of green belt mentioned in the Consent to Establish granted by the Punjab Pollution Control Board.
9. The Project Proponent shall submit the details of Rain Water Harvesting & Proposal for conserving and utilizing Solar Energy within the project.

2.0 Deliberations during 225th meeting of SEAC held on 25.07.2022.

The meeting was attended by the following:

(i) Sh. Deepak Ratra, General Manager, M/s Malhotra Land Developers & Colonizers Private Limited.

(ii) Sh. Sital Singh, Environmental Consultant, M/s. Chandigarh Pollution Testing Laboratory.

(iii) Sh. Sandeep Singh, Environmental Consultant, M/s. Chandigarh Pollution Testing Laboratory.

The Project Proponent submitted the reply of the observations raised by SEAC through Parivesh Portal vide letter dated 11.07.22 and presented as under:

Sr. No.	**Observation**	**Reply**
1.	The project proponent shall submit the revised calculation for estimating population for the project by considering 15 persons per residential plot and shall submit the basis for estimating the population for Group Housing-I & II @300 persons/acre, for EWS @400 persons/acre and for commercial & public @100 persons/acre.	Revised Calculation for estimating population for the project by considering 15 persons per residential plot and for Group Housing-I & II @323persons/acre, for EWS @435 persons/acre and for commercial & public @100 persons/acre submitted.
2.	The Project Proponent shall submit the revised permission for abstraction of ground water from the Competent Authority.	Acknowledgment of the Revised application submitted to PWRDA for groundwater abstraction submitted.
3.	The Project Proponent shall submit the revised calculation pertaining to the disposal of treated wastewater in the green area available within the project.	The total water requirement of the Project shall be 1996 KLD, out of which 1418 KLD shall be met through fresh water and 578 KLD shall be met through flushing water requirement. The total waste water generation shall be 1597 KLD which shall be treated in STP of capacity 2000 KLD. In summer season, the treated waste water generation shall be 1437 KLD, out of which 578 KLD shall be utilized for flushing purpose, 252 KLD shall be utilized for horticulture purpose and 587 KLD shall be utilized in the

		irrigation of 28 acres of land and 8 acres of land to be developed as per the Karnal Technology. In winter season, the treated waste water generation shall be 1437 KLD, out of which 578 KLD shall be utilized for flushing purpose, 83 KLD shall be utilized for horticulture purpose and 776 KLD shall be utilized in the irrigation of 28 acres of land and 8 acres of land to be developed as per the Karnal Technology. In rainy season, the treated waste water generation shall be 1437 KLD, out of which 578 KLD shall be utilized for flushing purpose, 23 KLD shall be utilized for horticulture purpose and 836 KLD shall be utilized in the irrigation of 28 acres of land and 8 acres of land to be developed as per the Karnal Technology.
4.	The Project Proponent shall submit the alternate proposal for utilization of excess treated wastewater.	Excess treated waste water generated will be used for irrigation of crops in the agricultural land of 12 acres and owned by M/s Punnu Land Developers Private Limited and agricultural land of 16 acres owned by Rajdeep Singh, Simarjeet Singh, Gurpal Singh and Manjit Singh

		adjoining the residential Project "Palm Garden". Undertaking of farmers along with Jamabandi of their land submitted.
5.	The Project Proponent shall assess the damage as per the procedure prescribed by MoEF, GoI and submit the Remediation Plan and Natural & Community Resource Augmentation Plan for carrying out specific activities along with timelines.	Damage assessment plan, Augmentation plan submitted**.** Authenticate Augmentation plan submitted
6.	The Project Proponent shall submit the proper mechanism/proposal for management of solid and hazardous waste to be generated from the project.	1. Bio-degradable waste will be treated in 2 Mechanical composters of 3Ton/day capacity each and will be used as compost. 2. Further, other waste will be segregated at the source in coloured bins and will be disposed off to Municipal recovery sites. 3. Hazardous waste in the form of used engine oil generated from DG sets @100lt./yr will be given to authorized recyclers. It will be stored in drums placed in enclosed room near the DG set. Solid waste generation detail submitted
7.	The Project Proponent shall submit the solid waste management layout plan by earmarking the land for installation of processing facility for treatment of dry & wet component of solid waste. The Project Proponent shall allocate the dedicated land area for carrying out Solid Waste Management within the project premises.	Layout Plan showing location of Solid waste storage and treatment submitted.

8.	The Project Proponent shall submit the documentary evidence for exemption of the condition for leaving 15m of green belt mentioned in the Consent to Establish granted by the Punjab Pollution Control Board.	Request for obtaining clarification regarding exemption of condition for leaving 15m green belt submitted to Punjab Pollution Control Board. No response has been received so far.
9.	The Project Proponent shall submit the details of Rain Water Harvesting & Proposal for conserving and utilizing Solar Energy within the project.	In addition to the already proposed LED lights and solar lights in the common area, the company will also provide solar panels on rooftops of utility buildings as far as possible. An undertaking to this regard submitted. Rain water harvesting system consisting of 40 recharging pits already propose is resubmitted.

The Committee perused the reply submitted by the Project Proponent and observed as under:

(i) The Project Proponent has not submitted any basis for estimating the population For Group Housing I & II @ 323 persons/acre, for EWS @ 435 persons/acre and for commercial & public @ 100 persons/acre.

(ii) Lot of calculation mistakes have been observed in estimating the population, water & flushing requirement, water balance diagrams for summer, winter & rainy season and water requirement for green area. The same was conveyed to the Project Proponent during the presentation. The Project Proponent agreed to submit the revised calculations.

(iii) The 10% losses considered by the Project Proponent in waste water generation & treatment also needs to be checked & revised.

(iv) The Project Proponent has not submitted any documentary evidence for exemption of the condition for leaving 15 m of green belt as mentioned in the Consent to Establish granted by the Punjab Pollution Control Board.

(v) The Project Proponent has not submitted any agreement with MC for the disposal of the non-recyclable fraction of dry waste.

(vi) The Project Proponent was asked to submit the alternate proposal for utilization of excess treated waste water in the absence of MC sewer.

The Project Proponent has proposed to utilize the excess treated wastewater for irrigation of crops in the agricultural land area of 12 acres owned by M/s Punnu Land Developers Private Limited and agricultural land area of 16 acres owned by farmers.

The Committee apprised the Project Proponent that the 13th meeting of Joint Committee of SEIAA & SEAC was held on 25.04.2022 wherein it was decided as under:

> *"In case of the absence of MC sewer, no case shall be granted Environmental Clearance in which the project proponent proposes to develop plantation as per Karnal Technology on land taken on lease by the Project Proponent which is outside the Project site. In all cases where the adoption of Karnal Technology method is to be used for disposal of wastewater (either due to the absence of MC Sewer or due to its present inadequate capacity), the Project proponent be asked to develop plantation within the project site as per the Karnal Technology."*

The Committee asked the Project Proponent to submit the alternative proposal in view of the above said decision taken in the joint meeting of SEIAA & SEAC.

(vii) The Damage Assessment Plan and Augmentation Plan submitted by the Project Proponent was not found to be appropriate. The Project Proponent was asked to submit the Damage Assessment Plan, Remediation Plan and Natural & Community Resource Augmentation Plan for carrying out specific activities along with timelines, in consultation with some expert in the field.

(viii) The Project Proponent has not submitted adequate proposal for allocating funds under CER activities. The Committee asked the Project Proponent to allocate funds up to 1% of the total project cost under CER activities.

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

(i) The Project Proponent shall submit the basis for estimating the population For Group Housing I & II @ 323 persons/acre, for EWS @ 435 persons/acre and for commercial & public @ 100 persons/acre.

(ii) The Project Proponent shall submit the revised calculation for estimating the population, water & flushing requirement, water balance diagrams for summer, winter & rainy season and water requirement for green area.

(iii) The Project Proponent shall check the 10% losses considered in waste water generation & treatment and submit the revised calculation.

(iv) The Project Proponent shall submit the documentary evidence for exemption of the condition for leaving 15 m of green belt, as mentioned in the Consent to Establish granted by PPCB.

(v) The Project Proponent shall submit agreement with MC for the disposal of the non-recyclable fraction of dry waste.

(vi) The Project Proponent, in view of following decision taken in the 13th meeting of Joint Committee of SEIAA & SEAC held on 25.04.2022, shall submit alternate proposal for utilization of excess treated waste water in the absence of MC sewer.

"In case of the absence of MC sewer, no case shall be granted Environmental Clearance in which the project proponent proposes to develop plantation as per Karnal Technology on land taken on lease by the Project Proponent which is outside the Project site. In all cases where the adoption of Karnal Technology method is to be used for disposal of wastewater (either due to the absence of MC Sewer or due to its present inadequate capacity), the Project proponent be asked to develop plantation within the project site as per the Karnal Technology."

(vii) The Project Proponent shall submit the revised Damage Assessment Plan, Remediation Plan and Natural & Community Resource Augmentation Plan for carrying out specific activities along with timelines, in consultation with some expert in the field.

(viii) The Project Proponent shall allocate funds up to 1% of the total project cost under CER activities and submit the details of the same.

3.0 Deliberations during 230th meeting of SEAC held on 08.10.2022.

The meeting was attended by the following:

(i) Sh. Deepak Ratra, General Manager, M/s Malhotra Land Developers & Colonizers Private Limited.
(ii) Sh. Sital Singh, Environmental Consultant, M/s. Chandigarh Pollution Testing Laboratory.
(iii) Sh. Sandeep Singh, Environmental Consultant, M/s. Chandigarh Pollution Testing Laboratory.

SEAC allowed the Environmental Consultant of the project proponent to present the reply to the observations made by it in the meeting of SEAC as under:

Sr. No.	Observation	Reply
1.	The project proponent shall submit the basis for estimating the population for Group Housing I & II @ 323 persons/acre, for EWS @ 435 persons/acre and for commercial & public @ 100 persons/acre	The basis for calculation is taken from Punjab Govt. Gazette notification September 10, 2021.

2.	The Project Proponent shall submit the revised calculation for estimating the population, water & flushing requirement, water balance diagrams for summer, winter and rainy season and water requirement for green area.	Revised calculation for estimating population submitted. The complete water balance in all the three seasons submitted.
3.	The Project Proponent shall check the 10% losses considered in waste water generation & treatment and submit the revised calculation.	The complete water balance in all the three seasons submitted by considering 2% loss only.
4.	The project proponent shall submit the documentary evidence for exemption of the condition for leaving 15m of green belt, as mentioned in the consent to establish granted by PPCB.	Clarification regarding exemption of condition for leaving 15m green belt submitted. l
5.	The project proponent shall submit agreement with MC for disposal of non-recyclable fraction of dry waste.	An arrangement has been made with MC, Sahnewal for disposal of non-recyclable solid waste at their designated dumping site.
6.	The project proponent, in view of following decision taken in the 13th meeting of Joint Committee of SEIAA & SEAC held on 25.04.2022, shall submit alternate proposal for utilization of excess treated waste water in the absence of MC sewer. *"In case of the absence of MC sewer, no case shall be granted EC in which the project proponent proposes to develop plantation as per Karnal Technology on land taken on lease by the project proponent which is outside the project site. In all cases where the adoption of Karnal technology method is be used for disposal of wastewater (either due to the absence of MC sewer or due to its*	As discussed in the last meeting, a total of 10.53 acres of land within the project area (as marked on map) has been reserved for tree plantation as per Karnal Technology for disposal of treated waste water.

	present inadequate capacity), the project proponent be asked to develop plantation within the project site as per the Karnal Technology."	
7.	The project proponent shall submit the revised Damage Assessment Plan, Remediation plan and Natural & community resource augmentation plan for carrying out specific activities alongwith timelines, in consultation with some expert in the field.	Copy of revised Damage Assessment Plan, Remediation plan and Natural & community resource augmentation plan submitted.
8.	The project proponent shall allocate funds upto 1% of total project cost under CER activities and submit the details of the same.	The total project cost is Rs. 22.50 Crores. Funds of Rs. 23 Lacs have been allocated for CER activities which is more than 1% (Rs. 22.50 Lacs) of the total project cost. Details of the CER activities to be carried out submitted**.**

During meeting, the Committee perused the Punjab Government Gazette Notification dated 10.09.2021 considered by the Project Proponent for estimating the population for group housing, EWS, commercial & public buildings. It has been observed that the Gazette Notification mentions estimation of population per square meter of land area, which does not seem to be relevant for estimating the population of multi-story building like group housing, commercial, EWS & public buildings. The Committee advised the Project Proponent to revise the estimation of population based on the notification issued by Dept. of Town & Country Planning, Govt. of Punjab.

The Committee further observed that the Project Proponent has considered water consumption @86 lpcd by installing water efficient fixtures. The Committee observed that in the area development project, it does not seem to be feasible for the Project Proponent to impose condition on the allotees to install water efficient fixtures. Therefore, the Committee suggested the Project Proponent to consider the water consumption @135 lpcd for estimating the water demand. Further, lot of mistakes have been observed in the calculation for estimating the water demand.

The Committee further observed that the Project Proponent has not submitted any documentary evidence/proof regarding arrangement made with MC Sahnewal for disposal of non-recyclable solid waste at their designated dump site. The Committee asked the Project Proponent to submit the same.

The Committee further observed that the Project Proponent has proposed to develop 10.53 acres of land area within the project as per Karnal Technology to utilize the excess treated wastewater being generated from the project. The Committee on perusal of the approved layout plan observed number of plots earmarked adjacent to the proposed land area for Karnal Technology. The Committee asked the Project Proponent to dedicate the total area (including area earmarked for plots) for Karnal Technology till the project sewer is connected with the MC Sewer. The Project Proponent agreed to the same.

The Committee observed that the area mentioned in the damage assessment plan, does not match with the area mentioned in the approved layout plan and the same need to be checked. Further, the Project Proponent has not submitted any justification for the basis considered for water requirement @ 5 KLD for sprinkling, water requirement @ 2 KLD for preparing mortar/concrete/curing, domestic use @2.25 KLD for construction & operation phase, cost of sewage treatment re-use & disposal during construction & operation phase @ Rs. 2 Lakhs per year, cost of health check-up of workers @ 2 Lakhs per year and cost of safety measures @ Rs. 1 Lakh per year.

The Committee asked the Project Proponent to submit the Chartered Accountant certificate authenticating amount pertaining to total project cost incurred up to the date of the filing of application and the total turnover during the period of the violation. The Project Proponent agreed to provide the same.

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

1. The Project Proponent shall submit the revised population details by considering norms laid down by Department of Town & Country Planning, Punjab.
2. The Project Proponent shall revise the water demand by considering water consumption @ 135 lpcd in place of 86 lpcd and submit the same along with revised water balance details for all three seasons.
3. The Project Proponent shall submit documentary evidence/proof regarding arrangement with MC Sahnewal for disposal of non-recyclable solid waste at their designated dump site.
4. The Project Proponent shall dedicate the total area (including area earmarked for plots adjacent to the area proposed to be developed for Karnal Technology) till the time the project sewer is connected with the MC Sewer and submit the revised plan for Karnal Technology.
5. The Project Proponent shall submit the revised damage assessment plan by providing justification for the basis considered for water requirement @ 5 KLD for sprinkling, water

requirement @ 2 KLD for preparing mortar/concrete/curing, domestic use @2.25 KLD for construction & operation phase, cost of sewage treatment re-use & disposal during construction & operation phase @ Rs. 2 Lakhs per year, cost of health check-up of workers @ 2 Lakhs per year and cost of safety measures @ Rs. 1 Lakh per year.

6. The Project Proponent shall submit the certificate authenticated by Chartered Accountant for total project cost incurred up to the date of the filing of application and the total turnover during the period of the violation.

4.0 Deliberations during 233rd meeting of SEAC held on 29.11.2022.

The meeting was attended by the following:

(i) Sh. Deepak Kumar, General Manager M/s Malhotra Land Developers & Colonizers Private Limited.
(ii) Sh. Sital Singh, Environmental Consultant, M/s. Chandigarh Pollution Testing Laboratory.
(iii) Sh. Sandeep Singh, Environmental Consultant, M/s. Chandigarh Pollution Testing Laboratory.

SEAC allowed the Environmental Consultant of the Project Proponent to present the reply of the observations raised by SEAC as under:

Sr. No.	Observation	Reply
1.	The Project Proponent shall submit the revised population details by considering norms laid down by Department of Town & Country Planning, Punjab.	Revised details of the population submitted.
2.	The Project Proponent shall revise the water demand by considering water consumption @ 135 lpcd in place of 86 lpcd and submit the same along with revised water balance details for all three seasons.	Revise Water Demand submitted. The complete water balance in all the three seasons submitted.
3.	The Project Proponent shall submit documentary evidence/proof regarding arrangement with MC Sahnewal for	An arrangement has been made with MC, Sahnewal for disposal of non-recyclable solid waste at their designated dumping

	disposal of non-recyclable solid waste at their designated dump site.	site. Solid Waste Disposal agreement has been submitted**.**
4.	The Project Proponent shall dedicate the total area (including area earmarked for plots adjacent to the area proposed to be developed for Karnal Technology) till the time the project sewer is connected with the MC Sewer and submit the revised plan for Karnal Technology.	Layout plan has been submitted and Affidavit for the same has been submitted**.**
5.	The Project Proponent shall submit the revised damage assessment plan by providing justification for the basis considered for water requirement @ 5 KLD for sprinkling, water requirement @ 2 KLD for preparing mortar/concrete/curing, domestic use @2.25 KLD for construction & operation phase, cost of sewage treatment re-use & disposal during construction & operation phase @ Rs. 2 Lakhs per year, cost of health check-up of workers @ 2 Lakhs per year and cost of safety measures @ Rs. 1 Lakh per year.	Revised Damage Assessment Plan keeping in view of above observations submitted.
6.	The Project Proponent shall submit the certificate authenticated by Chartered Accountant for total project cost incurred up to the date of the filing of application and the total turnover during the period of the violation.	Certificate authenticated by Chartered Accountant submitted.

During meeting, the Committee observed that application proposal comes under violation category and has been dealt in accordance to OM dated 07.07.2021 issued by MoEF&CC. The Project Proponent during the meeting presented the revised Damage Assessment Plan,

Remediation Plan along with the Natural & Community Resource Augmentation Plan and requested the Committee to consider the same. The Committee further observed as under:

(i) Punjab Pollution Control Board has already filed legal proceedings vide Case No. 3723/2016 titled as Punjab Pollution Control Board V/s M/s Malhotra Land Developers Pvt. Ltd. against the Project Proponent for the violations of the provisions of EIA Notification dated 14.09.2006. The next date of the hearing has been fixed on 20.12.2022.

(ii) As per the revised Damage Assessment Plan, Remediation Plan along with Natural & Community Resource Augmentation Plan, total no. of days of violation were calculated as 1785 days (date for start of the project is 10.09.2010 and date of submission of Application Proposal for EC is 01.08.2015).

(iii) The Damage Assessment has been worked out as Rs. 82.79 lacs (Recurring cost as Rs. 69.50 & Non-Recurring cost as Rs. 13.289 lacs). Whereas, the amount allocated towards Remediation Plan & Natural and Community Resources Augmentation Plan has been proposed as Rs. 105.50 lacs. As per OM dated 07.07.2021 issued by MoEF&CC, the Project Proponent is required to submit the Bank Guarantee of Rs. 105.50 Lacs with Punjab Pollution Control Board prior to the grant of Environmental Clearance and the same shall be released after the successful implementation of the Remediation and Natural & Community Resource Augmentation Plan. The Project Proponent agreed to deposit the same.

(iv) The Project Proponent reported that the total project cost incurred up to date of filing of the application till 01.08.2015 is Rs. 22.50 Crore as per the CA certificate dated 09.11.2022. Further, the Project Proponent informed the turnover on account of sale of 272 plots as Rs. 56.44 Crore. The penalty @ 0.5% of the total project cost and @ 0.125 % of the total turnover has been worked out as Rs. 11.25 lacs and Rs. 7 lacs respectively with total penalty as Rs. 18.25 lacs. The said penalty is to be deposited in the account maintained by DECC by the Project Proponent. The Project Proponent agreed to deposit the same.

(v) The Project Proponent has submitted the details of the CER activities amounting to Rs. 23 lacs (1% of the total project cost) proposed to be carried out in accordance with the decision of the Joint Meeting of SEIAA & SEAC.

(vi) The Project Proponent has submitted the Environment Management Plan. As per the details, total capital and recurring cost proposed to be spent shall be Rs. 172 lacs and Rs. 45 lacs/annum respectively.

The Project Proponent apprised the Committee that total 8386 No. of trees are required to be planted @ 1 Tree/80 m^2 out of which 7780 trees have already been planted and remaining 606 No. of trees are yet to be planted. The Committee noted the same and took the reply on record.

The Committee further observed with regard to observation raised at point no. 3, the Project Proponent has submitted a copy of letter issued by MC Sahnewal vide no. 2092 dated 21.10.2022 stating that no sanitary land fill site exist within the jurisdiction of MC Sahnewal and proposed housing project falls beyond the limits of the MC Sahnewal. Therefore, the application of the promoter company seeking permission for disposal of Solid Waste cannot be considered till the development of sanitary land fill site. The Committee asked the Project Proponent to submit the proper justification.

In this regard, the Project Proponent apprised the Committee that the total quantity of 9847 Kg/day of solid waste shall be generated, out of which 40% shall be bio-degradable waste, which shall be converted into compost by installing two no. mechanical bio-composter of capacity 2 ton each. Further, the recyclable waste of quantity 1969 Kg/day and inert waste of quantity 3939 Kg/day shall be generated and the Project Proponent has submitted a copy of letter dated 29.11.2022 issued by M/s A2V Infra Services, wherein it has been mentioned that MC Ludhiana has authorized M/s A2V Infra Services for collection and transportation of solid waste vide letter no. MCL/HD/2021-11/345 dated 26.11.2022 for five years. The agency has executed agreement with M/s Malhotra Land Developers and Colony Pvt Ltd. for two no. of sites including Palm Garden at Sahnewal Khurd, GT Road, Ludhiana for collecting 6TPD of waste from Palm Garden on payment basis.

The Committee was satisfied with the presentation and reply given by the Project Proponent. After detailed deliberations, SEAC decided to award 'Silver Grading' to the project proposal and to forward the application of the project proponent to SEIAA with the recommendation to grant Environmental Clearance **for establishment of residential-cum-commercial complex "Palm Garden" in the revenue estate of Village Sahnewal Khurd Bilga, Tehsil & District Ludhiana, Punjab**, and as per the details mentioned in the application proposal & subsequent presentation /clarifications made by the project proponent and his consultant subject to the following standard and special conditions: -

Special Conditions:

(i) The Project Proponent shall submit the Bank Guarantee of Rs. 105 Lacs with Punjab Pollution Control Board prior to the grant of Environmental Clearance and the same shall be released after the successful implementation of the remediation and natural & community resource augmentation plan.

(ii) The Project Proponent shall deposit penalty amount of Rs. 18.25 lacs in the account maintained by DECC.

I. Statutory compliances:

i) The project proponent shall obtain all necessary clearances/ permissions from all relevant agencies including the town planning authority before commencement of work. All the construction shall be done in accordance with the local building bye laws.

ii) The approval of the Competent Authority shall be obtained for the structural safety of buildings due to earthquakes, adequacy of firefighting equipment, etc. as per the National Building Code including protection measures from lightning, etc.

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

iv) The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.

v) The project proponent shall obtain Consent to Establish / Operate under the provisions of the Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the Punjab Pollution Control Board.

vi) The project proponent shall obtain the necessary permission for the abstraction of groundwater/ surface water required for the project from the competent authority.

vii) A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained.

viii) All other statutory clearances such as the approvals for storage of diesel from the Chief Controller of Explosives, Fire Department, and Civil Aviation Department shall be obtained, as applicable, by project proponents from the respective competent authorities.

ix) The provisions of the Solid Waste (Management) Rules, 2016, E-Waste (Management) Rules, 2016, Construction & Demolition Waste Rules,2016, and the Plastics Waste (Management) Rules, 2016 shall be followed.

x) The project proponent shall follow the ECBC/ECBC-R prescribed by Bureau of Energy Efficiency, Ministry of Power strictly.

xi) The project site shall conform to the suitability as prescribed under the provisions laid down under the master plan of the respective city/ town. For that, the project proponent shall submit the NOC/ land use conformity certificate from Deptt. of Town and Country Planning or other concerned Authority under whose jurisdiction, the site falls.

xii) Besides the above, the project proponent shall also comply with siting criteria/guidelines, standard operating practices, code of practice, and guidelines if any prescribed by the SPCB/CPCB/MoEF&CC for such types of projects.

xiii) The project proponent shall construct the buildings as per the layout plan approved from the Competent Authority and in consonance of the project proposal for which this environment clearance is being granted.

II. Air quality monitoring and preservation

i) Notification GSR 94(E) dated 25.01.2018 of MoEF&CC regarding Mandatory Implementation of Dust Mitigation Measures for Construction and Demolition Activities for projects requiring Environmental Clearance shall be complied with.

ii) A management plan shall be drawn up and implemented to contain the current exceedance in the ambient air quality at the site.

iii) The project proponent shall install a system to undertake Ambient Air Quality monitoring for common /criterion parameters relevant to the main pollutants released (e.g., PM10 and PM2.5) covering upwind and downwind directions during the construction period.

iv) Diesel power generating sets proposed as a source of backup power should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use of low sulphur diesel would be the preferred option. The location of the DG sets may be decided in consultation with Punjab Pollution Control Board.

v) Construction site shall be adequately barricaded before the construction begins. Dust, smoke and other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, and continuous dust/ wind-breaking walls all around the site (at least 3 m height or 1/3rd of the building height and maximum up to 10 m). Plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, murram and other construction materials prone to causing dust pollution at the site as well as taking out debris from the site.

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

vii) No loose soil or sand or construction and demolition waste or any other construction material that causes dust shall be left uncovered.

viii) No uncovered vehicles carrying construction material and waste shall be permitted.

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

x) Grinding and cutting of building material in open areas shall be prohibited. A wet jet shall be provided for grinding and stone cutting.

xi) Unpaved surfaces and loose soil shall be adequately sprinkled with water to suppress dust.

xii) All construction and demolition debris shall be stored at the site within the earmarked area and roadside storage of construction material and waste shall be prohibited. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules 2016.

xiii) The diesel generator sets to be used during the construction phase shall be low sulphur diesel type and shall conform to the norms and regulations prescribed under air and noise emission standards.

xiv) The gaseous emissions from the DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate noise pollution. Low sulphur diesel shall be used. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.

xv) For indoor air quality, the ventilation provisions as per the National Building Code of India shall be complied with.

xvi) Roads leading to or at the construction site must be paved and blacktopped (i.e., metallic roads should be built and used).

xvii) Dust Mitigation measures shall be displayed prominently at the construction site for easy public viewing.

xviii) Construction and Demolition Waste Processing and Disposal site shall be identified and required dust mitigation measures will be notified at the site

III. Water quality monitoring and preservation

i) The natural drainage system should be maintained for ensuring unrestricted flow of water.

ii) No construction shall be allowed which obstructs the natural drainage through the site, in wetland and water bodies. Check dams, bio-swales, landscape, and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rainwater.

iii) Buildings shall be designed to follow the natural topography as far as possible. Minimum cutting and filling should be done.

iv) The total water requirement for the project shall be 2824.89 KLD, out of which 1880.935 KLD shall be met through own tube well. Total freshwater use shall not exceed the

proposed requirement as provided in the project details and other relevant details as under:

Sr. No.	Total water Requirement	Total wastewater generated	Treated wastewater	Flushing water requirement	Green area requirement	Green area of 14.80 acres to be developed as per Karnal Technology
1.	2824.89 KLD	2259.912 KLD	2214.912 KLD	943.955 KLD	Summer: 212 KLD Winter: 69.2 KLD Monsoon: 30.735 KLD	Summer: 1058.957 KLD Winter: 1201.757 KLD Monsoon: 1240.222 KLD

b) Storage tank of adequate capacity shall be provided for the storage of treated wastewater and all efforts shall be made to supply the same for construction purposes.

c) During the construction phase, the project proponent shall ensure that the wastewater generated from the labour quarters/toilets shall be treated and disposed of in an environment-friendly manner. The project proponent shall also exercise the option of modular bio-toilets or will provide proper and adequately designed septic tanks for the treatment of such wastewater and treated effluents shall be utilized for green area/plantation.

v) The project proponent shall ensure a safe drinking water supply to the habitants. Adequate treatment facility for drinking water shall be provided, if required.

vi) The quantity of freshwater usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC and SEIAA along with six-monthly monitoring reports.

vii) A certificate shall be obtained from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed, the quantity of water allotted to the project under consideration, and the balance of water available. This should be specified separately for groundwater and surface water sources, ensuring that there is no impact on other users.

viii) At least 20% of the open spaces as required by the local building bye-laws shall be pervious. Use of Grass pavers, paver blocks with at least 50% opening, landscape, etc. would be considered as pervious surface.

ix) Dual pipe plumbing shall be installed for supplying fresh water for drinking, cooking and bathing, etc. and other for supply of recycled water for flushing, landscape irrigation, car washing, thermal cooling, air conditioning etc.

x) Installation of R.O. plants in the project will be discouraged in order to reduce water wastage in form of RO reject. However, in case the requirement of installing RO plant is unavoidable, the rejected stream from the RO shall be separated and shall be utilized by storing the same within the particular component or in a common place in the project premises.

xi) The project proponent shall also adopt the new/innovative technologies like low water discharging taps (faucet with aerators) /urinals with electronic sensor system /waterless urinals/twin flush cisterns/ sensor-based alarm system for overhead water storage tanks and make them a part of the environmental management plans/building plans so as to reduce the water consumption/groundwater abstraction.

xii) The project proponent will provide plumbing system for reuse of treated wastewater for flushing/other purposes etc. and will colour code the different pipelines carrying water/wastewater from different sources / treated wastewater as follows:

Sr. No	Nature of the Stream	Color code
a)	Fresh water	Blue
b)	Untreated wastewater from Toilets/ urinal and from Kitchen	Black
c)	Untreated wastewater from Bathing/shower area, hand washing (Washbasin / sinks) and from Cloth Washing	Grey
d)	Reject water streams from RO plants and AC condensate (this is to be implemented wherever centralized AC system and common RO has been proposed in the Project). Further, in case of individual houses/establishment this proposal may also be implemented wherever possible.	White
e)	Treated wastewater (for reuse only for plantation purposes) from the STP treating black water	Green

f)	Treated wastewater (for reuse for flushing purposes or any other activity except plantation) from the STP treating greywater	Green with strips
g)	Stormwater	Orange

xiii) Water demand during construction should be reduced by the use of pre-mixed concrete, curing agents, and adopting other best practices.

xiv) The CGWA provisions on rainwater harvesting should be followed. A rainwater harvesting plan needs to be designed where the recharge bores of minimum one recharge bore per 5,000 square meters of the plot area and a storage capacity of a minimum of one day of the total freshwater requirement shall be provided. In areas where groundwater recharge is not feasible, the rainwater should be harvested and stored for reuse. As per the proposal submitted by the project proponent, 40 no. recharging pits will be provided for groundwater recharging as per the CGWB norms. The groundwater shall not be withdrawn without approval from the Competent Authority.

xv) All recharge should be limited to shallow aquifers.

xvi) No groundwater shall be used during the construction phase of the project. Only treated sewage/wastewater shall be used. A proper record in this regard should be maintained and should be available at the site.

xvii) Any groundwater dewatering should be properly managed and shall conform to the approvals and the guidelines of the CGWA in the matter. Formal approval shall be taken from the CGWA for any groundwater abstraction or dewatering.

xviii) The quantity of freshwater usage, water recycling, and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC, and SEIAA along with six-monthly Monitoring reports.

xix) Sewage shall be treated in the STP with tertiary treatment by providing ultra-filtration Technology. STP shall be installed in a phased manner viz a viz in the module system designed in such a way so as to efficiently treat the wastewater with an increase in its quantity due to rise in occupancy. The treated effluent from STP shall be recycled/reused for flushing and gardening. No treated water shall be disposed of into the municipal stormwater drain.

xx) No sewage or untreated effluent would be discharged through stormwater drains. Onsite sewage treatment with a capacity to treat 100% wastewater will be installed. The installation of the Sewage Treatment Plant (STP) shall be certified by an independent

expert and a report in this regard shall be submitted to the Ministry / SEIAA before the project is commissioned for operation. Treated wastewater shall be reused on-site for landscape, flushing, and other end-uses. Excess treated water shall be discharged as per statutory norms notified by the Ministry of Environment, Forest, and Climate Change. Natural treatment systems shall be promoted.

xxi) Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odour problem from STP.

xxii) Sludge from the onsite sewage treatment, including septic tanks, shall be collected, conveyed and disposed of as per the Ministry of Urban Development, Central Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.

IV. Noise monitoring and prevention

i) Ambient noise levels shall conform to the commercial area both during day and night as per Noise Pollution (Control and Regulation) Rules, 2000. Incremental pollution loads on the ambient air and noise quality shall be closely monitored during the construction phase. Adequate measures shall be made to reduce noise levels during the construction phase, so as to conform to the stipulated standards by CPCB/SPCB.

ii) A noise level survey shall be carried out as per the prescribed guidelines and a report in this regard shall be submitted to the Regional Officer of the Ministry as a part of a six-monthly compliance report.

iii) Acoustic enclosures for DG sets, noise barriers for ground-run bays, earplugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.

V. Energy Conservation measures

i) Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured. Buildings in the States which have notified their own ECBC, shall comply with the State ECBC.

ii) Outdoor and common area lighting shall be LED.

iii) Concept of passive solar design that minimize energy consumption in buildings by using design elements, such as building orientation, landscaping, efficient building envelope, appropriate fenestration, increased daylighting design and thermal mass, etc. shall be incorporated in the building design. Wall, window, and roof U-values shall be as per ECBC specifications.

iv) Energy conservation measures like the installation of LEDs for lighting the area outside the building should be an integral part of the project design and should be in place before project commissioning.

v) Solar, wind, or other Renewable Energy shall be installed to meet electricity generation equivalent to 1% of the demand load or as per the state level/ local building bye-laws requirement, whichever is higher.

vi) At least 30% of the rooftop area shall be used for generating Solar power for lighting in the apartments so as to reduce the power load on the grid. A separate electric meter shall be installed for solar power. Solar water heating shall be provided to meet 20% of the hot water demand of the commercial and institutional building or as per the requirement of the local building bye-laws, whichever is higher.

VI. Waste Management

i) A certificate from the competent authority handling municipal solid waste, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from the project shall be obtained.

ii) The Project Proponent shall install Mechanical Composter of adequate capacity to treat wet component of the Solid Waste.

iii) Disposal of muck during the construction phase should not create any adverse effect on the neighbouring communities and should be safely disposed of taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of the competent authority.

iv) Separate wet and dry bins must be provided in each unit and at the ground level for facilitating the segregation of waste. Solid waste shall be segregated into wet garbage and inert materials.

v) Organic waste compost/ Vermiculture pit/ Organic Waste Converter/Mechanical Composter within the premises must be installed for treatment and disposal of the solid waste.

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

vii) Any hazardous waste generated during the construction phase, shall be disposed of as per applicable rules and norms with the necessary approvals of the State Pollution Control Board.

viii) Use of environment-friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction material quantity. These include Fly

Ash bricks, hollow bricks, AACs, Fly Ash Lime Gypsum blocks, Compressed earth blocks, and other environmentally friendly materials.

ix) Fly ash should be used as a building material in the construction as per the provision of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003 and 25th January, 2016. Ready-mixed concrete must be used in building construction.

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

xi) Used CFLs and TFLs should be properly collected and disposed of or sent for recycling as per the prevailing guidelines/ rules of the regulatory authority to avoid mercury contamination.

VII. Green Cover

i) No naturally growing tree should be felled/transplanted unless exigencies demand. Where absolutely necessary, tree felling shall be with prior permission from the concerned regulatory authority. Old trees should be retained based on girth and age regulations as may be prescribed by the Forest Department.

ii) At least a single line plantation all around the boundary of the project as proposed shall be provided. The open spaces inside the plot should be suitably landscaped and covered with vegetation of indigenous species/variety. The project proponent shall ensure the planting of 8386 trees in the project area at the identified location, as the per proposal submitted, with plants of native species preferably having broad leaves. The size of the plant thus planted should not be less than 6 ft and each plant shall be protected with a fence and properly maintained. The project proponent shall make adequate provisions of funds to ensure maintenance of the plants for a further period of three years and thereafter, protected throughout the entire lifetime of the Project. The species with heavy foliage, broad leaves, and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping. The plantation should be undertaken as per SEIAA guidelines.

iii) The Project Proponent shall develop a green belt with native tree species (having canopy type structure and especially trees, and not grass) before the completion of the project. The greenbelt shall inter alia cover the entire periphery of the unit provided that the number of trees to be planted should not be less than one tree per 80 sqm of the total land area. The canopy trees shall also be planted around the parking area to provide shade to the parked vehicles.

iv) Where the trees need to be cut with prior permission from the concerned local Authority, a compensatory plantation in the ratio of 1: 10 (i.e. planting of 10 saplings of the same

species for every tree that is cut) shall be done and the newly planted saplings will be maintained for at least 5 years. Green belt development shall be undertaken as per the details provided in the project document.

v) Topsoil should be stripped to a depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stockpiled appropriately in designated areas and reapplied during the plantation of the proposed vegetation on site.

vi) The project proponent shall not use any chemical fertilizer /pesticides /insecticides and shall use only Herbal pesticides/insecticides and organic manure in the green area.

vii) The green belt along the periphery of the plot shall achieve an attenuation factor conforming to the day and night noise standards prescribed for commercial land use.

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

VIII. Transport

i) A comprehensive mobility plan, as per MoUD best practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public, and private networks. Road should be designed with due consideration for environment, and safety of users. The road system can be designed with these basic criteria.

a) Hierarchy of roads with proper segregation of vehicular and pedestrian traffic.

b) Traffic calming measures.

c) Proper design of entry and exit points.

d) Parking norms as per local regulations.

ii) Vehicles hired for bringing construction material to the site should be in good condition and should have a valid pollution check certificate, conform to applicable air and noise emission standards, and should be operated only during non-peak hours.

iii) A detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 05 km radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on the cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies within this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D./ competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.

iv) Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Parking should be fully internalized and no public space should be utilized.

IX. Human health issues

i) All workers working at the construction site and involved in loading, unloading, carriage of construction material and construction debris, or working in any area with dust pollution shall be provided with dust masks.

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

iii) An emergency preparedness plan based on the Hazard Identification and Risk Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, and 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 regularly.

v) A First Aid Room shall be provided in the project both during construction and operations of the project.

X. Environment Management Plan

i) The company shall have a well-laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violations of the environmental / forest/wildlife norms/conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stakeholders. A copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of the six-monthly report.

ii) A separate Environmental Cell both at the project and company headquarters level, with qualified personnel shall be set up under the control of senior Executive, who will report directly to the head of the organization.

(vii) An action plan for implementing EMP and environmental conditions along with the responsibility matrix of the company shall be prepared and shall be duly approved by the competent authority.

(viii) The Project Proponent shall spend Rs. 172 lacs and Rs. 45 lacs/annum under the head of capital & recurring cost under Environment Management Plan.

(ix) The Project Proponent shall spend amount of Rs. 23 lacs (1% of the total project cost) under CER activities in accordance with the decision of the Joint Meeting of SEIAA & SEAC.

XI. Validity

This environmental clearance will be valid for a period of ten years from the date of its issue as per MoEF & CC, GoI notification No. S.O. 1807 (E) dated 12.04.2022 or till the completion of the project, whichever is earlier.

XII. Miscellaneous

i) The project proponent shall obtain a completion and occupancy certificate from the Competent Authority and submit a copy of the same to the SEIAA, Punjab before allowing any occupancy.

ii) The project proponent shall comply with the conditions of CLU, if obtained.

iii) The project proponent shall prominently advertise in at least two local newspapers of the District or State, of which one shall be in the vernacular language within seven days indicating that the project has been accorded environment clearance and the details of MoEF&CC/SEIAA website where it is displayed.

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

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

vi) The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the Ministry of Environment, Forest and Climate Change at the Environment Clearance portal and submit a copy of the same to SEIAA.

vii) The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put the same on the website of the company.

viii) The project proponent shall inform the Regional Office as well as SEIAA Punjab, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.

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

x) The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitments made during public hearing and also those made to SEIAA / SEAC during their presentation.

xi) No further expansion or modifications in the project shall be carried out other than those permitted in this EC without prior approval of SEIAA. In case of deviation or alterations in the project proposal from those submitted to the Ministry/SEIAA for clearance, a fresh reference shall be made to the Ministry/SEIAA, as applicable, to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.

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

xiii) This Environmental Clearance is granted subject to final outcome of pending related cases in the Hon'ble Supreme Court of India, Hon'ble High Courts, Hon'ble NGT and any other Court of Law as may be applicable to this project.

XIII. Additional Conditions

i) The approval is based on the conceptual plan/drawings submitted with the application. In case, there is variation in built-up area/green area/ any other details in the drawings approved by the competent authority, the Project Proponent shall obtain the revised Environmental Clearance.

ii) The Project Proponent shall ensure that the natural drainage channels in the project site including streams, drains, choes, creeks, rivulets, etc. are not disturbed so that the natural flow of rainwater, etc is not impeded or disrupted in any manner.

iii) Authorization from Punjab Pollution Control Board shall be obtained as applicable under the Bio-Medical Waste Management Rules 2016 as amended from time to time.

iv) The solid waste other than Bio-Medical Waste & Hazardous Waste (dry as well as wet garbage) generated should be properly collected and segregated before disposal to Municipal Authorities in accordance with the Municipal Solid Waste (Management & Handling) Rules, 2000. No municipal waste should be disposed off outside the premises in contravention of relevant rules and by-laws. Adequate measures should be taken to prevent any malodour in and around the Project premises.

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

vi) This Environmental Clearance is liable to be revoked without any further notice to the Project Proponent in case of failure to comply with condition (v) above.

vii) 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.

viii) The Project Proponent shall manage the solid waste generated from the project as per the sub-rule-7 of rule-4 of SWM Rules 2016.

ix) The Project Proponent shall not discharge, in any case, the treated/untreated wastewater outside the project premises.

x) The Project Proponent shall developed 14.80 acres of land area present within the premises into Karnal Technology to utilize its excess treated wastewater generated during three seasons.

xi) The Ministry reserves the right to stipulate additional conditions if found necessary. The Promoter Company in a time bound manner shall implement these conditions.

xii) 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.

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

2.0 Deliberations during 225th meeting of SEIAA held on 13.12.2022.

The case was considered by SEIAA in its 225th meeting held on 13.12.2022 which was attended by the following:

(i) Deepak Kumar, General Manager, M/s Malhotra Land Developers & Colonizers Private Limited.
(ii) Sh. Sital Singh, Environmental Consultant, M/s. Chandigarh Pollution Testing Laboratory.
(iii) Sh. Sandeep Singh and Er. S.S. Matharu, Environmental Consultant, M/s. Chandigarh Pollution Testing Laboratory.

SEIAA allowed the project proponent to present the case. Environmental Consultant presented the salient features of the project. A copy of the presentation submitted by the project proponent was taken on record.

To a query of SEIAA the project proponent informed that about 20% construction work had been completed but no construction activity had been carried out at the site since 2015.

On another query by SEIAA the Environmental Consultant of the project proponent informed that they had proposed to plant 8386 no. of tress and about 7600 tress had already been planted in the site and he showed the pictures of the plantation already carried out. SEIAA observed that the project proponent had not planted the native variety of trees and had planted mainly ornamental plants. To this observation, the project proponent agreed to plant the remaining trees of indigenous variety of at least 10 feet height, which was agreed to by the Authority.

SEIAA observed that the SEAC has imposed a condition that the project proponent shall deposit penalty amount of Rs. 18.25 lakhs in the account maintained by the Directorate of Environment & Climate Change. However, this is contrary to the provisions of Office Memorandum dated 28.07.2022 issued by the MoEF&CC. As per the said OM the penalty levied as per the provisions of the OM dated 07.07.2021 (SoP for identification and handling of violation cases under the EIA Notification, 14.09.2006), "***shall be remitted by the project proponent into the fund which is maintained by the concerned State/UT Pollution Control Boards/Committees till further orders"***. As such, the penalty is required to be deposited with the Punjab Pollution Control Board and not with the Directorate of Environment & Climate Change, which was agreed to by the representative of the project proponent.

SEIAA further decided that the entire cost of the environmental management plan will continue to be borne by the project proponent for the lifetime of the Project. Year-wise progress of implementation of the action plan shall be reported to the Ministry/Regional Office along with the Six-monthly Compliance Report. Further, the project proponent shall also submit physical/financial progress along with utilization certificates and documentary evidence (including photographs and short video clips) of the works undertaken in lieu of CER activities in all the subsequent six-monthly compliance reports till the completion of these activities. The same was agreed to by the project proponent.

SEIAA perused the EIA report submitted by the project proponent and was satisfied with the same.

After detailed deliberations and scrutiny of the project documents and assessment of the likely Environmental impact of the project and the proposed EMP, SEIAA decided to accept the recommendations of SEAC and grant Environmental Clearance for establishment of residential-cum-commercial complex "Palm Garden" in a total plot area of the project is 165.80 acres having built up area of 2,28,557.84 sqm in the revenue estate of Village Sahnewal Khurd Bilga, Tehsil & District Ludhiana, Punjab by M/s Malhotra Land Developers & Colonizers Private Limited as per the details mentioned in Form 1, 1A, EMP, conceptual plan and subsequent presentation /clarifications made by the project proponent and his consultant with proposed measures and subject to conditions proposed by SEAC with additional/amended conditions as under:

Additional Conditions:

(i) The project proponent shall submit Bank Guarantee of Rs. 105 lakhs and deposit penalty amount of Rs. 18.25 lakhs with the Punjab Pollution Control Board immediately.

(ii) Project Proponent shall carry out plantation in the project and plant trees of native species not less than 10 feet in height.

(iii) The entire cost of the environmental management plan will continue to be borne by the project proponent till the Project is not legally handed over to the RWA. Year-wise progress of implementation of the action plan shall be reported to the Ministry/Regional Office along with the Six-monthly Compliance Report. Further, the project proponent shall also submit physical/financial progress along with utilization certificates and documentary evidence (including photographs and short video clips) of the works undertaken in lieu of CER activities in all the subsequent six-monthly compliance reports till the completion of these activities.

Keeping in view the provisions of MOEF&CC OM dated 07.07.2021 on the subject of violation cases, SEIAA further decided that the EC letter would only be issued after the Project Proponent deposited the aforementioned Bank Guarantee of Rs 105 Lakhs and penalty amount of Rs 18.25 Lakhs with the PPCB.

Amended Condition no. (i) of XIII. Additional Condition

i) The approval is based on the approved plan/drawings submitted with the application. In case, there is variation in built-up area/green area/ any other details in the drawings approved by the competent authority, the Project Proponent shall obtain the revised Environmental Clearance.

Item No. 225.06: Application for Environment Clearance under EIA notification dated 14.09.2006 for the expansion in API Bulk Drug Pharmaceutical manufacturing unit at Village Behra, Derabassi, District SAS Nagar, Punjab by M/s Infinity Laboratories Pvt Ltd. (Proposal No. SIA/PB/IND3/248344/2021).

The industry was granted Environmental Clearance under EIA notification dated 14.09.2006 for manufacturing of the following API Bulk Drugs. The said Environmental Clearance was issued by MoEF&CC vide letter No. F.No. J-11011/33/2010-IA II (I) dated 01.06.2010 in the name of M/s Infinity Laboratories Pvt Ltd.

Sr. No.	Products Name	Quantity per annum
1.	D-p Hydroxy phenyl glycine Dane Salt	478.5 TPA
2.	D-phenyl glycine Dane Salt	470.25 TPA
3.	7 AVCA	58.080 TPA
4.	Cefuroxime Acid	66 TPA
5.	By Product Sodium Sulphate	235 TPA

The industry has submitted application for expansion in the name of M/s Infinity Laboratories Pvt Ltd. for carrying out the production of the following APIs products. The industry has submitted application form along with documents as per the checklist approved by SEIAA. The details pertaining to the products for which Environmental Clearance was granted and proposed No. of products which are to be manufactured are as under:

Sr. No.	Products being manufactured at present		Additional products to be manufactured		Quantity of Present Products is to be discontinued (TPA)	Total quantity of products to be manufactured after proposed expansion (TPA)
	Name	Quantity in TPA	Name	Quantity in TPA		
Products						
1.	D-p Hydroxy Phenyl glycine Dane salt	478.5			478.5	0
2.	D-phenyl glycine Dane salt	470.25	-	-	470.25	0
3.	7 AVCA	58.080	-	-	58.080	0
4.	Cefuroxime Acid	66	-	-	66	0
5.	-	-	Ofloxacin	304.668	-	304.668
6.	-	-	Levosulpiride	30.705	-	30.705
7.	-	-	Levofloxacin	200.928	-	200.928
8.	-	-	Ketoprofen	20.539	-	20.539

9.	-	-	Norfloxacin	104.46225	-	104.46225
Total		1072.83		661.30225	1072.83	661.30225
Blending & Packaging (Repackaging)						
1.	-	-	Mefenamic	120	-	120
2.	-	-	Azithromycin	36	-	36
3.	-	-	Ornidazole	60	-	60
4.	-	-	Pregabalin	36	-	36
5.			Atorvastatin Calcium	6	-	6
6.	-	-	Erythromycin salts	36	-	36
7.	-	-	Rosuvastatin Calcium	6	-	6
8.	-	-	Clopidogrel Bisulphate	12	-	12
9.	-	-	Cticoline	6	-	6
10.	-	-	Diclofenac Salts	90	-	90
11.	-	-	Clprofloxacin	100	-	100
12.	-	-	Fexofenadine Hydrochloride	6	-	6
13.	-	-	Methyl cobalamine	6	-	6
14.	-	-	Enrofloxacin	48	-	48
15.	-	-	Vitamin B-12 Cyanocobalamine	3	-	3
16.	-	-	Moxifloxacin	6	-	6
17.	-	-	Ferusimide	6	-	6
Total				643		643
Bye-Product						
1.	Sodium Sulphate	235			235	0
	TOTAL			**1304.1**	**1307.83**	**1304.1**

The industry has submitted certified compliance report issued by Regional Office of MoEF&CC vide letter no. 321-322-323 dated 27.05.2022.

The cost of expansion for the industrial project Rs. 19.35 Crores. The industry has deposited Rs. 1,93,535/-vide UTR No. SBIN321361566730 dated 27.12.2021. The adequacy of the fee deposited by the Project Proponent has been checked and verified by supporting staff SEIAA.

The Project is covered under Schedule 5(f) & Category 'B2' as per EIA Notification, 2006. in light of O.M dated 27.03.2020, 15.10.2020, & 16.07.2021. In the latest OM dated 16.07.2021, it has been mentioned as under:

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

Since, the project has applied for obtaining Environmental Clearance on 29.12.2021, the project can be considered as B2 category project.

Punjab Pollution Control Board vide letter no. 1031 dated 04.02.2022 has sent the latest construction status report with details as under:

"The site of the proposed project was visited by officer of the Board on 5/1/2022 and it was observed that:

1. *The industry is a existing unit and is engaged in business of manufacturing of D-P Hydroxy Phenyl Glycine Dane Salt @ 478.5MT/year, D-Phenyl Glycine Dane Salt @470.5MT/year, 7 AVCA @ 58.08 MT/Year & Cefuroxime Acid @ 66 MT/Year & same was in operation.*
2. *The proposed/ existing site of the industry is surrounded by various existing industries (within its 100 m radius) namely M/s Punjab Acid Chem Ltd. M/s Magoo Chemicals, M/s Unique Liquor, Industries existing at M/s Pragati Industrial Park etc.*
3. *The project proponent has demarcated the boundaries of the project. No construction activity pertaining to the proposed project has been started at the site. One side of the industry is abbutingt to M/s Pragati Industrial Park and remaining sides are surrounded by field.*
4. *There exits one creek of Jharmal choe within 500 m radious of the unit; the jharmal choe finally merges with river Ghaggar.*
5. *As per the Department of Industries, Government of Punjab notification no. 3/4/87-3Ibi/311 DATED 9/1/1990, Village Behra falls notified as "Free Enterprise Zone." The Board has not notified any siting guidelines for such type of industries.*
6. *The proposed/existing site of the project is located in Village Behra, District SAS Nagar, which is located outside the limits of M.C., Dera Bassi as well as the notified Master Plan of Dera Bassi. However, any comment regarding its distance from the MC limits of Dera Bassi could not be offered as the exact limits of the MC, Dera Bassi are not clear. The matter was discussed with the office of M.C., Dera Bassi and it was informed that municipal limits of Dera Bassi are extended upto Village Kuranwala and the same is located approx. 1.5 km (crow-flight distance) from the site of the industry (as measured from Google maps).*
7. *Further, it is informed that boundary of Haryana state starts at an approximate distance of 2.5-3 km form the unit."*

Deliberations during 233rd meeting of SEAC held on 29.11.2022.

The meeting was attended by the following:

(i) Sh. Jitandra Kumar, Account Manager M/s Infinity Laboratories Pvt. Ltd.
(ii) Sh. Sital Singh, Environmental Consultant, M/s. Chandigarh Pollution Testing Laboratory.
(iii) Sh. Sandeep Singh, Environmental Consultant, M/s. Chandigarh Pollution Testing Laboratory.

SEAC allowed the Environmental Consultant of the project proponent to present the reply to the observations made by it in the meeting of SEAC as under:

Sr. No.	Description	Details
1	**Basic Details**	
1.1	Name of industry & Project Proponent:	M/s Infinity Laboratories Private Limited Sh. Anil Kumar Mittal Managing Director
1.2	Proposal:	SIA/PB/IND3/248344/2021
1.3	Location of Industry:	Village- Behra, Gulabgarh - Behra road, Derabassi, SAS Nagar, Punjab
1.4	Details of Land area:	10367 sqm
1.5	Category under EIA notification dated 14.09.2006	B2 As per S.O. 2859(E) dated: 16.07.2021 "All proposals for projects or activities in respect of Active Pharmaceutical Ingredients (API) received up to the 31st December 2021, shall be appraised as Category 'B2' Projects.
1.6	Cost of the project	Rs. 19.35320 Cr. (After expansion)
2.	**Site Suitability Characteristics**	
2.1	Whether site of the industry is suitable as per the provisions of Master Plan:	The site of the project falls under Free Enterprise Zone (FEZ) area.
2.2	Whether supporting document submitted in favour of statement at 2.1, details thereof: (CLU/building plan approval status)	Total land area of the industry = 10367 sqm. (2.56 acre) Permission for Change of Land Use of land area measuring 1.666 acres at Village Behra, Tehsil Derabassi, District SAS Nagar obtained from STP vide memo no. 15-

		STP(S)55-11(GI) dated 07.01.2010 submitted.
3	**Forest, Wildlife and Green Area**	
3.1	Whether the industry required clearance under the provisions of Forest Conservation Act 1980 or not:	No Forest land is involved. An undertaking in this regard submitted.
3.2	Whether the industry required clearance under the provisions of Punjab Land Preservation Act (PLPA) 1900:	No land is covered under the provisions of Punjab Land Preservation Act (PLPA) 1900. An undertaking in this regard submitted.
3.3	Whether industry required clearance under the provisions of Wildlife Protection Act 1972 or not:	No wildlife area is covered under the provisions of the Wildlife Protection Act 1972 An undertaking in this regard submitted.
3.5	Whether the industry falls within the influence of Eco-Sensitive Zone or not. (Specify the distance from the nearest Eco sensitive zone)	Not applicable
3.6	Green area requirement and proposed No. of trees:	Out of the total plant area approx. 35.6% i.e. 3696 sqm area will be developed as greenbelt.
4.	**Machinery, Products & Population Details**	

4.1

S.No.	Description	Existing		Proposed	After Expansion
		Quantity	Capacity		
1	DM Plant	1	50 KLD	-	50 KLD
2	Chilling Plant	1	126 TR	-	126 TR
3	Chilling Plant	1	86 TR	-	86 TR
4	Cooling Towers	5	1300 TR	-	1300 TR
5	Soft water Plant	1	50 KLD	-	50 KLD
6	Boiler for steam	1	1.5 TON/HR	-	1.5 TON/Hr
7	Transformer	1	1000 KVA	-	1000 KVA
8	Electricity Load		900 KW	-	900 KW
10	MEE	1	34 KLD (1.7 kl/hr)	-	34 KLD (1.7 kl/hr)
11	STP	1	7 KLD	-	7 KLD
12	Incinerator	1	50 kg/hr	-	50 kg/hr
12	DG Sets	2	1x 500 KVA 1x 180 KVA	-	1x 500 KVA 1x 180 KVA

4.2	Product details as per earlier Environmental Clearance and expansion proposal.

Sr. No.	Products being manufactured at present		Additional products to be manufactured		Quantity of Present Products is to be discontinued (TPA)	Total quantity of products to be manufactured after proposed expansion (TPA)
	Name	Quantity in TPA	Name	Quantity in TPA		
Products						
1.	D-p Hydroxy Phenyl glycine Dane salt	478.5			478.5	0
2.	D-phenyl glycine Dane salt	470.25	-	-	470.25	0
3.	7 AVCA	58.080	-	-	58.080	0
4.	Cefuroxime Acid	66	-	-	66	0
5.	-	-	Ofloxacin	304.668	-	304.668
6.	-	-	Levosulpiride	30.705	-	30.705
7.	-	-	Levofloxacin	200.928	-	200.928
8.	-	-	Ketoprofen	20.539	-	20.539
9.	-	-	Norfloxacin	104.46225	-	104.46225
Total		1072.83		661.30225	1072.83	661.30225
Blending & Packaging (Repackaging)						
1.	-	-	Mefenamic	120	-	120
2.	-	-	Azithromycin	36	-	36
3.	-	-	Ornidazole	60	-	60
4.	-	-	Pregabalin	36	-	36
5.			Atorvastatin Calcium	6	-	6
6.	-	-	Erythromycin salts	36	-	36
7.	-	-	Rosuvastatin Calcium	6	-	6
8.	-	-	Clopidogrel Bisulphate	12	-	12
9.	-	-	Cticoline	6	-	6
10.	-	-	Diclofenac Salts	90	-	90
11.	-	-	Clprofloxacin	100	-	100
12.	-	-	Fexofenadine Hydrochloride	6	-	6

13.	-	-	Methyl cobalamine	6	-	6
14.	-	-	Enrofloxacin	48	-	48
15.	-	-	Vitamin B-12 Cyanocobalamine	3	-	3
16.	-	-	Moxifloxacin	6	-	6
17.	-	-	Ferusimide	6	-	6
Total				643		643
Bye-Product						
1.	Sodium Sulphate	235			235	0
	TOTAL			**1304.1**	**1307.83**	**1304.1**

4.2	Population details	Employment- 120
5	**Water**	
5.1	Water Balance Details:	Submitted
5.2	Source:	Tubewell
5.3	Whether Permission obtained for abstraction/supply of the fresh water from the Competent Authority (Y/N) Details thereof	Permission for abstraction of ground water of quantity 80 KLD obtained from PWRDA submitted.
5.4	Rain water harvesting proposal:	**Outside:** The industrial unit has adopted one village pond for rain water harvesting at Village Rampur Sainian. The total recharge potential will be 52800m^3/annum. NOC obtained from Sarpanch is submitted.
6	**Air**	
6.1	Details of Air Polluting machinery:	D.G. set, Boiler of capacity 1.5 TPH
6.2	Measures to be adopted to contain particulate emission/Air Pollution	D.G. Set:- Canopy equipped DG set with adequate height will be installed Boiler: - Multicyclone followed by stack of height 30 m will be installed as APCD. The details of the boiler are as under: **Particulars** | **Boiler Capacity (1.5 TPH)**

		Type of Fuel: Briquette Fuel Consumption (TPD): 7 TPD Ash Content (TPD): 1-1.5% No. of Stacks: 1 Height of stack (m): 30 Gas Volume (Nm^3/Hr): 1585 Nm^3/Hr Emission standards to be achieved (mg/Nm^3): 500 Load of Particulate Matter as PM (kg/day): 19.02
7	**Waste Management**	
7.1	Total quantity of solid waste generation	

Sr. No.	**Type of Waste**	**Generation (TPA)**		**Mode of Treatment & Disposal**
		Existing Products	**After proposed expansion**	
1.	Solid waste from Canteen Section	4 TPA	4 TPA	Bio-composting to use it as manure in plantation area
2.	Fuel Ash	1.345	1.345	Will be given to brick Kilns owner for making bricks. Also, it will be used as Soil conditioner in the plantation area

Hazardous Waste Generation for existing and proposed unit:

Sr. No.	**Type of Waste**	**Category (As per Schedule)**	**Generation per day from (Kgs)**		**Source of Generation**	**Mode of Storage**	**Mode of Treatment & Disposal**
			Existing Products	**After Expansion**			

1	Residue and waste	28.1	1160	410	Process	Drum Storage	Incenerati on
2	Spent Catalyst/Spent Carbon/ solid waste	28.2	512	49	Process	Drum storage	Incenerati on
3	Off specification product/spill /spoiled material	28.3	10	10	Process	Polyba gs	Incenerati on
4	Expired/Discard ed & off specification medicines	28.4	-	10	Blending /Repackin g	Polyba gs	Incenerati on
5	Spent Mother Liquors/Residue from distillation	28.5	200	180	Process	Drums	Incenerati on
6	Spent Organic solvent	28.6	-	-	-	-	-
7	Sludge from wet scrubbers	36.1	10	10	Process	HDPE Bags	Incenerati on
8	Ash from Incineration of Haz wastes	36.2	111.05	59	Incinerati on	HDPE bags	Hazardous storage shed
9	Discarded containers/barr els, Liners	33.3	20	25	Raw material usage	As such	Reuse/Sale
10	Sludge from treatment of wastewater	34.3	20	20	ETP treatment	HDPE bags	Hazardous storage shed

Other Hazardous Waste Generation for existing and proposed unit:

Sl. No.	**Source**	**Quantity (Kgs)** (Approved/Existing)	**Quantity (Kgs)** (Proposed)	**Handling Method**	**Disposal method**
1	Organic residue	522	150	HDPE Drums	Inceneration

2	Organic Residue from distillation	200	180	HDPE Drums	Inceneration
3	Inorganic & Evaporation Salt on sludge bed from MEE	1160	410	HDPE Bags	HW/TSDF Nimbuan/Incineration
4	ETP Sludge	50	40	HDPE Bags	HW/TSDF Nimbuan/Incineration
5	Boiler Ash	200	200	Stored in covered area	HW/TSDF Nimbuan OR sold to brick manufacturer
	Total	2132	980		
6	Incineration Ash	111.045	59	HDPE Bags	HW/TSDF Nimbuan

8	**Energy Saving & EMP**	
8.1	Power Consumption:	900 KW
8.2	Energy saving measures:	LEDs will be used

EMP

S. No.	Title	Capital Cost Rs. Lakh	Recurring Cost Rs. Lakh
1	Pollution Control during construction stage	2.0	1.0
2	Air Pollution Control (Installation of APCD)	-	30.0
3	Water pollution (MEE)	-	35.0
4	Noise Pollution Control	2.0	0.20
5	Landscaping/ Green Belt Development	3.6	1.8
6	Solid/Hazardous Waste Management	-	20.0

7	Environment Monitoring and Management	--	4.0
8	Occupational Health, Safety and Risk Management	10.0	3.0
9	RWH	10.0	1.5
10	Energy conservation	5.0	0.50
11	Miscellaneous	4.0	--
	TOTAL	**Rs 36.6**	**Rs 97.0**

CER ACTIVITIES

ACTIVITY	**Funds Allocated in Lakhs**
Rain Water harvesting	10.0
Tree Plantation and Improvement of sanitary conditions by providing proper Toilets in the educational Institution located at village Behra, Kuranwala, Fatehpur and Kheri Gujjran	10.0
TOTAL	Rs 20.0

The Project Proponent informed to shut down the manufacturing of existing 4 products and 1 bye-product and proposed to manufacture 5 new products and blending & packaging of 17 new products. He further, informed that existing machinery, which was used for the manufacture of 4 products, is being used for the new 5 products.

The industry has presented the revised water balance for three seasons and as per the said water balance, the total water requirement of the industry is 76.64 KLD, out of which 21.64 KLD shall be required into the process, 2KLD is required in the floor and reactor washing, 4 KLD shall be utilized as boiler feed, 39 KLD shall be utilized as cooling water makeup, 3 KLD shall be utilized as DM plant re-generation, 2 KLD shall be utilized in scrubber, 1 KLD shall be utilized in the R&D section and remaining 4 KLD shall be utilized for domestic purpose. The total quantity of wastewater generation in form of HTDS shall be 32.73 KLD which shall be treated in MEE of capacity 1.7 KL/hour. The concentrate of quantity 1.10 KLD shall be incinerated in the captive incinerator and condensate of quantity 31.635 KLD shall be utilized in the cooling water makeup. The total domestic effluent generation shall be 3.2 KLD which shall be treated in the STP of capacity 7 KLD. The treated domestic effluent shall be utilized in the plantation area within the industry. Therefore, the industry shall be based on Zero liquid discharge.

The industry further apprised the Committee that the industry has already obtained Consent to Operate under the provisions of Water Act 1974 & Air Act 1981 which are valid up to 31.12.2022 for the production of existing APIs Products. The Committee noted the same.

After deliberations, SEAC decided to award **'Silver Grading'** to the project proposal under category B2, Activity 5 (f) and to forward the application to SEIAA with the recommendations to grant Environmental Clearance for the expansion in API Bulk Drug Pharmaceutical manufacturing unit at Village Behra, Derabassi, District SAS Nagar, Punjab as per the relevant details mentioned in the application proposal & subsequent presentation /clarifications made by the project proponent and his consultant subject to the following conditions as under:-

I. Statutory compliance

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

ii. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.

iii. The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report. (in case of the presence of schedule-I species in the study area)

iv. The project proponent shall obtain the necessary permission from the Central Ground Water Authority/ competent authority concerned, in case of drawl of ground water and also in case of drawl of surface water required for the project. In case of non- grant of permission by CGWA for ground water abstraction, the industry shall make alternative arrangements by using surface water or treated city sewage effluent after obtaining permission from competent authority.

v. The project proponent shall obtain Consent to Establish/Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the Punjab State pollution Control Board/ Committee.

vi. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.

vii. The project proponent shall comply with the siting criteria, standard operating practices, code of practice and guidelines if any prescribed by the SPCB/CPCB/MoEF&CC for such type of units.

viii. The project proponent shall comply with the CLU conditions imposed by competent authority, if any

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

II. Air quality monitoring and preservation

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

ii. The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through labs recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories.

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

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

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

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

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

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

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

III. Water quality monitoring and preservation

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

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

High TDS effluent comprising of process stream @ 32.735 KLD. The capacity of MEE will be 1.7 KL/hr.

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

iv. Total fresh water requirement shall not exceed the quantity of 80 KLD as proposed in the proposal application. Prior permission shall be obtained from the concerned regulatory authority/CGWA in this regard.

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

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

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

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

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

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

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

IV. Noise monitoring and prevention

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

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

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

V. Energy Conservation measures

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

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

VI. Waste management

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

ii. Disposal of muck during construction phase should not create any adverse effect on the neighbouring communities and be disposed of after taking the necessary precautions for general safety and health aspects of people with the approval of competent authority. The project proponent will comply with the provisions of Construction & Demolition Waste Rules, 2016. Dust, smoke & debris prevention measures such as wheel washing, screens, barricading and debris chute shall be installed at the site during construction including plastic / tarpaulin sheet covers for trucks bringing in sand & material at the site.

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

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

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

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

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

a. Metering and control of quantities of active ingredients to minimize waste.

b. Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.

c. Use of automated filling to minimize spillage.

d. Use of Close Feed system into batch reactors.

e. Venting equipment through vapour recovery system.

f. Use of high-pressure hoses for equipment clearing to reduce wastewater generation.

VII. Green Belt

i. The green belt shall be developed in more than 33% of the total project area, mainly along the plant periphery, in downward wind direction, and along road sides etc.

ii. The Project Proponent shall develop green belt in 33% of the total land area with native tree species (having canopy type structure and especially trees, and not grass) before the completion of the project. The greenbelt shall inter alia cover the entire periphery of the unit provided that the number of trees to be planted should not be less than one tree per 80 sqm of the total project area. The canopy trees shall also be planted around the parking area to provide shade to the parked vehicles.

iii. The project proponent shall plant tall saplings having height not less than 6 ft. The proponent shall make adequate provision of funds for raising the plantation and subsequent maintenance for three years in the Environment Management Plan.

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

VIII. Safety, Public hearing and Human health issues

i. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.

ii. The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Firefighting system shall be as per the norms.

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

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

v. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.

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

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

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

IX Validity of Environmental Clearance.

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

X Environmental Management Plan

i. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. A copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.

ii. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of a senior Executive, who will report directly to the head of the organization.

iii. Action plan for implementing EMP and environmental conditions along with the responsibility matrix of the company shall be prepared and shall be duly approved by the competent authority. The year-wise funds earmarked for environmental protection measures shall be kept in separate accounts and will not be diverted for any other purpose. The project proponent shall spend the minimum amount of Rs. 36.6 Lacs

towards the capital cost and Rs. 97 Lacs/annum towards recurring cost in the construction & operation phase of the project including the environmental monitoring cost as per the details given below:

S. No.	Title	Capital Cost Rs. Lakh	Recurring Cost Rs. Lakh
1	Pollution Control during construction stage	2.0	1.0
2	Air Pollution Control (Installation of APCD)	-	30.0
3	Water pollution (MEE)	-	35.0
4	Noise Pollution Control	2.0	0.20
5	Landscaping/ Green Belt Development	3.6	1.8
6	Solid/Hazardous Waste Management	-	20.0
7	Environment Monitoring and Management	--	4.0
8	Occupational Health, Safety and Risk Management	10.0	3.0
9	RWH	10.0	1.5
10	Energy conservation	5.0	0.50
11	Miscellaneous	4.0	--
	TOTAL	**Rs 36.6**	**Rs 97.0**

CER Details:

Sr. No.	ACTIVITY	Funds Allocated in Lakhs
1.	Rain Water harvesting	10.0
2.	Tree Plantation and Improvement of sanitary conditions by providing proper Toilets in the educational Institution located at village Behra, Kuranwala, Fatehpur and Kheri Gujjran	10.0
	TOTAL	**Rs 20.0**

The entire cost of the environmental management plan will continue to be borne by the project proponent for the lifetime of the Project. Year-wise progress of implementation of the action plan shall be reported to the Ministry/Regional Office along with the Six-monthly Compliance Report.

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

XI. Miscellaneous

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

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

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

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

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

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

vii. The project proponent shall monitor the criteria pollutants level namely; PM10, S02, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.

viii. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.

ix. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.

x. The project proponent shall inform the Regional Office of the Ministry and PPCB, the date of financial closure and final approval of the project by the concerned authorities,

commencing the land development work and start of production/ operation by the project.

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

xii. The project proponent shall abide by all the commitments and recommendations made in the ElA /EMP report, commitment made during Public Hearing and also that during their presentation to the SEAC and SEIAA.

xiii. No further expansion or modifications in the project shall be carried out other than those permitted in this EC without prior approval of SEIAA. In case of deviation or alterations in the project proposal from those submitted to the Ministry/SEIAA for clearance, a fresh reference shall be made to the Ministry/SEIAA, as applicable, to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.

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

XII. Additional Conditions:

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

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

iii. The Project Proponent shall install online monitoring system at inlet as well as at the outlet of ETP for monitoring various environmental parameters.

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

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

and scrubbing systems shall also be designed to handle the inherent odours from such units.

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

vii. No treated/untreated wastewater shall be discharged outside premises of the industry in any scenario.

viii. The project proponent shall practice rainwater harvesting to maximum possible extent. For this the Project Proponent shall adopt nearest village pond for carrying out rain water harvesting.

ix. The Project Proponent shall ensure that the natural drainage channels in the project site including streams, drains, choes, creeks, rivulets etc. are not disturbed so that the natural flow of rainwater etc is not impeded or disrupted in any manner.

2.0 Deliberations during 225th meeting of SEIAA held on 13.12.2022.

The case was considered by SEIAA in its 225th meeting held on 13.12.2022 which was attended by the following:

(i) Sh. A.K. Mittal, MD, M/s Infinity Laboratories Pvt Ltd.
(ii) Sh. Sital Singh, Environmental Consultant, M/s. Chandigarh Pollution Testing Laboratory.
(iii) Sh. Sandeep Singh and Er. S.S. Matharu, Environmental Consultant, M/s. Chandigarh Pollution Testing Laboratory.

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

SEIAA observed that the industry had earlier obtained Environmental Clearance from MoEF&CC for manufacturing of API Bulk Drugs on 01.06.2010. The Project Proponent has now proposed to shut down the manufacturing of existing 4 products and 1 by-product and proposed to manufacture 5 new products and blending & packaging of 17 new products. However, the existing machinery, which was used for the manufacture of the earlier 4 products, will continue to be used for the new products.

After detailed deliberations and perusal of relevant documents including the EMP Plan, SEIAA decided to accept the recommendations of SEAC and grant Environmental Clearance for the expansion in API Bulk Drug Pharmaceutical manufacturing unit at Village Behra, Derabassi, District SAS Nagar, Punjab as per the details mentioned in the application and subsequent presentation /clarifications made by the project proponent and its consultant with proposed and special conditions recommended by SEAC and an **additional condition** that:

- The entire cost of the environmental management plan will continue to be borne by the project proponent for the lifetime of the Project. Year-wise progress of implementation of

the action plan shall be reported to the Ministry/Regional Office along with the Six-monthly Compliance Report. Further, the project proponent shall also submit physical/financial progress along with utilization certificates and documentary evidence (including photographs and short video clips) of the works undertaken in lieu of CER activities in all the subsequent six-monthly compliance reports till the completion of these activities.

Meeting ended with vote of thanks to the Chair.

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