Proceedings of the 207th meeting of State Environment Impact Assessment Authority (SEIAA) held on 15.06.2022 in the Conference Hall no. 1 (Room No 311), 2nd Floor of MGSIPA at 10:00 AM, MGSIPA Complex, Sector-26, Chandigarh.

The meeting was attended by the following members:

1) Sh. Hardeep Singh Gujral,
Chairman, SEIAA

2) Sh. Kamal Kumar Garg, PCS
Member Secretary, SEIAA

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

Er. Parveen Saluja, Environmental Engineer SEIAA along with other supporting staff also attended the meeting.

Item No. 01: Confirmation of the proceedings of the 206th meeting of the State Environment Impact Assessment Authority held on 08.06.2022.

The proceedings of the 206th meeting of the State Environment Impact Assessment Authority (SEIAA) held on 08.06.2022 are under preparation and will be uploaded on the Parivesh Portal after taking approval from the Competent Authority.

Item No. 02: Action on the proceedings of the 206th meeting of the State Environment Impact Assessment Authority held on 08.06.2022.

Action on the proceedings of the 206th meeting of the State Environment Impact Assessment Authority (SEIAA) held on 08.06.2022 will be taken after uploading of the same on the Parivesh Portal.

Item No. 207.01: Application for issuance of TORs for Residential Township Project namely "Janta Township" located at Sector 90-91, Distt. SAS Nagar, Punjab by M/s Janta Land Promoters Pvt. Ltd. (Proposal No. SIA/PB/MIS/74904/2022).

The background and salient features of the project are as under:

The Project Proponent was granted Environmental Clearance vide SEIAA/M. S/2011/26069 dated 24.06.2011 under EIA notification dated 14.09.2006 for development of residential project namely "Janta Township" at Sector 90-91, SAS Nagar. The total land area of the project was 138.35 acres having a built-up area of 72030.6 sqm. The said Environmental Clearance granted to the promoter company had already expired.

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

The Project Proponent has proposed to develop 614 plots, 10 group housing units, 1 shopping mall, 1 multiplex, 1 motel, 223 shops, 3 schools, a dispensary, and a community Centre. The Project Proponent has submitted the implementation status of the development of the aforementioned component as under:

Sr. No.	Component	Development Status	Timeline of the completion of Development	Construction Status	Timeline of the completion of Construction
1	614 Plots	Development Completed	July, 2012	Being done by individual plot owners	Not Applicable
2	10 Group housing	Development Completed	September, 2012	Construction of GH-7 (Regency Heights) Completed by JLPL	August, 2011
3	1 Shopping mall	Development Completed	July, 2013	Vacant Plot, construction to be done by individual plot owners	Not Applicable
4	1 Multiplex	Development Completed	August, 2013	Vacant Plot, construction to be done by individual plot owners	Not Applicable
5	1 Motel	Development Completed	September, 2013	Vacant Plot, construction to be done by individual plot owners	Not Applicable

6	223 Shops	Development Completed	January, 2014	13 constructed & 210 Vacant, construction to be done by individual plot owners	Not Applicable
7	3 Schools	Development Completed	August, 2015	1 constructed & 2 vacant, construction to be done by individual plot owners	Not Applicable
8	Dispensary	Development Completed	August, 2012	Temporary Construction	August, 2012
9	Community centre	Development Completed	August, 2012	Partial Construction Completed	July, 2017

The Project Proponent has submitted afresh application for issuance of Terms of Reference for the Residential Township Project namely "Janta Township" in the total land area of 143.43 acres by addition of 5.08 acres in the existing land area of 138.35 acres located at Sector 90-91, Distt. SAS Nagar, Punjab. The project is covered under Schedule 8(b) & Category 'B1' as per EIA Notification, 2006.

The Project Proponent has mentioned in the application that the construction activity in the additional land area of 5.08 acres has already been initiated, as such the Project Proponent suo-moto admits the violation committed by him. The details of construction carried out in the 5.08 acres of additional land are as under:

Sr. No.	**Component**	**Construction Status**
1	Tower 1 (Stilt + 10th floor)	Construction completed
2	Tower 2 to Tower 4 (Stilt + 9th floor)	Construction completed
3	Tower 5 (Stilt + 10th floor)	Construction completed
4	Tower (G + 3rd floor)	Construction completed
4	Tower 7 (G+3rd floor)	Construction completed
6	Tower 8 (G + 14th floor)	Under Construction
7	Tower 9 (G + 14th floor)	Under Construction
8	Tower 10 to Tower 12 (Stilt + 14th floor)	Under Construction
9	Club (G.F. + F.F.)	Not constructed

The project proponent submitted Form I, IA and other additional documents on the online portal.

The cost of the project is Rs. 205.87 Cr. and the Project Proponent has deposited Rs. 43,553/- (25% of the total fee i.e., Rs. 1,74,210/-) vide UTR No. PUNBH22075658952 dated 16.03.2022, as checked & verified by supporting Staff of SEIAA.

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

The meeting was attended by the following:

(i) Sh. Hardeep Singh, Deputy Chief Engineer, M/s JLPL.
(ii) Mr. Sandeep Garg, EIA Coordinator, M/s Eco Laboratories Pvt Ltd.
(iii) Mrs. Simranjit Kaur, EIA Coordinator, M/s Eco Laboratories Pvt. Ltd.

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

<table>
<tr><th>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 Project & Project Proponent:</td><td>Residential Township project namely “Janta Township” by M/s. Janta Land Promoters Pvt. Ltd.</td></tr>
<tr><td>1.2</td><td>Proposal:</td><td>SIA/PB/MIS/74904/2022</td></tr>
<tr><td>1.3</td><td>Location of Project:</td><td>Sector 90-91, District SAS Nagar (Mohali), Punjab</td></tr>
<tr><td>1.4</td><td>Details of Land area & Built-up area:</td><td>Total scheme area: 143.43 acres
Built-up area: 1,41,541.86 Sq. m.
<table>
<tr><th>S. No</th><th>Description</th><th>Earlier EC</th><th>Additional</th><th>After Expansion</th></tr>
<tr><td>1</td><td>Plot Area</td><td>138.35 Acre</td><td>5.08 Acre</td><td>143.43 Acre</td></tr>
<tr><td>2</td><td>Built-Up Area (sqm)</td><td>72,030.6</td><td>69,511 .26</td><td>1,41,541 .86</td></tr>
</table></td></tr>
<tr><td>1.5</td><td>Category under EIA notification dated 14.09.2006</td><td>The project falls under category 8(b) ‘Township and Area Development Projects’ of the schedule appended with the EIA notification dated 14.09.2006.</td></tr>
<tr><td>1.6</td><td>Cost of the project</td><td>Total project cost after expansion: Rs. 205.87. Crore</td></tr>
<tr><td>2.</td><td colspan="2">Site Suitability Characteristics</td></tr>
<tr><td>2.1</td><td>Whether project is suitable as per the provisions of Master Plan:</td><td>As per Master Plan of SAS Nagar project falls in the residential zone.</td></tr>
</table>

2.2	Whether supporting document submitted in favour of statement at 2.1, details thereof: (CLU/building plan approval status)	Permission for Change of Land Use granted by Chief Town Planner, Punjab vide memo no. 6949 CTP (PB) SP.432 (M) dated 14.10.2011 for the total land area of 5.08 acres falling in Village Sohana, Sector 90 & 91 SAS Nagar for residential purpose obtained. A copy of the said permission submitted.
3	**Forest, Wildlife and Green Area**	
3.1	Whether the project required clearance under the provisions of Forest Conservations Act 1980 or not:	Yes, copy of NOC for diversion of 4.61 hectare of forest land NOC obtained for diversion of 4.61 ha. forest land.
3.2	Whether the project required clearance under the provisions of Punjab Land Preservation Act (PLPA) 1900.	Yes, a copy of NOC issued by MoEF&CC, Govt. of India vide file no. 9-2206/2004-ROC/999 dated 30.09.2004 for diversion of 4.61 ha. of forest land for development of land for community purpose in village Lakhnaur submitted.
3.3	Whether project required clearance under the provisions of Wildlife Protection Act 1972 or not:	A self-declaration in this regard mentioning that no clearance under Wildlife Protection Act 1972 is required submitted.
3.5	Whether the project falls within the influence of Eco-Sensitive Zone or not.	No
3.6	Green area requirement and proposed No. of trees:	Total green area: 35013.13 m2 (8.65 acres) i.e, 5% of the total area is kept for green belt development. Proposed No. of trees: 7,260 trees
4.	**Configuration & Population**	
4.1	**Proposal & Configuration:** 615 Residential plots, Commercial area, 11 Group Housings, and other Amenities.	

S. No.	**Description**	**Earlier EC**	**Additional**	**After Expansion**
1	Plot Area (sqm)	5,59,902.45 (138.35 Acres)	20,558.76 (5.08 Acres)	5,80,461.21 (143.43 Acres)
2	Residential Plots (sqm)	1,51,681.56 (37.48 Acres)		
3	Group Housing (sqm)	1,24,040.55 (30.65 Acres)	20,356.41 (5.03 Acres)	1,44,396.96 (35.68 Acres)
4	Commercial Area (SCOs, Booths,	34,885.14 (8.62 Acres)		

		shopping mall, Motel & Multiplex)			
	5	1. School 2. Primary School 3. Nursery School-I 4. Nursery School-II 5. Nursery School-III 6. Dispensary 7. Community Centre-I **Total (sqm)**	1. 9948.85 2. 3128.27 3. 1403 4. 1333.6 5. 3756 6. 2592 7. 4083 **26,224.56 (6.48 Acres)**		
	6	Green Area (sqm)	33,225.87 (8.21 Acres)	1780.68 (0.44 Acres)	35,006.55 (8.65 Acres)
	7	Built-Up Area (sqm)	72,030.6	69,511.26	1,41,541.86

4.2 Population details

Description	**Earlier EC**	**Additional**	**After Expansion**
Population (Persons)	24,655	264	24,919

5	**Water**	
5.1	Total freshwater requirement:	1,857 KLD.
5.2	Source:	Borewells
5.3	Whether Permission obtained for abstraction/supply of the fresh water from the Competent Authority (Y/N) *Details thereof*	Application for obtaining permission regarding abstraction of ground water from PWRDA not applied yet.
5.4	Total wastewater generation:	2,227 KLD
5.5	Treatment methodology: *(STP capacity, technology & components)*	2,227 KLD of sewage will be generated from the project which will be treated in already installed STP of capacity 2.5 MLD.
5.6	Treated wastewater for flushing purpose:	927 KLD
5.7	Treated wastewater for green area in summer, winter and rainy season:	Summer: 193 KLD Winter: 63 KLD Monsoon: 18 KLD
5.8	Utilization/Disposal of excess treated wastewater.	Summer: 1062 KLD Winter: 1192 KLD Monsoon: 1237 KLD The aforementioned excess treated wastewater will be disposed of onto **12.30 acres of land** area already developed under **Karnal Technology** at Sector-93.
5.9	Cumulative Details:	

	Sr. No.	Season	Total water Requirement (KLD)	Total wastewater generated (KLD)	Treated wastewater (KLD)	Flushing water requirement (KLD)	Green area requirement (KLD)	Excess water disposed using Karnal Tech
	1	Summer	2784	2227	2182	927	193	1062
	2	Winter	2784	2227	2182	927	63	1192
	3	Rainy	2784	2227	2182	927	18	1237

5.10	Rainwater harvesting proposal:	Total 16 no. of rainwater recharging pits are being provided for artificial rainwater recharge within the project premises.
6	**Air**	
6.1	Details of Air Polluting machinery:	Total 9 nos. of DG Sets (4 x 62.5 KVA + 1 x 125 KVA + 4 x 380 KVA)
6.2	Measures to be adopted to contain particulate emission/Air Pollution	DG sets will be equipped with acoustic enclosure to minimize noise generation and adequate stack height for proper dispersion.
7	**Waste Management**	
7.1	Total quantity of solid waste generation	8,658 kg/day
7.2	Details of management and disposal of solid waste (Mechanical Composter/Compost pits)	3,896 Kg/day Biodegradable waste will be converted into Manure using 4 Mechanical Composters of capacity 4 x 1 T/day

During the meeting, SEAC observed that the Project Proponent has not obtained permission for the abstraction of 1857 KLD of groundwater as proposed in the application. Further, the Project Proponent has not mentioned details regarding the allocation of the land area for carrying out Solid Waste Management within the project premises. Furthermore, the Project Proponent could not justify the utilization of excess treated wastewater in the land area of 12.30 acres to be developed as per Karnal Technology rather than discharging the said treated wastewater into the sewer as per the earlier proposal mentioned in the Environmental Clearance granted to the Project Proponent. The Committee asked the Project Proponent to submit an alternate proposal for utilization of treated waste water other than discharging treated wastewater in green area to be developed as per Karnal Technology.

The Project Proponent assured the Committee that the aforementioned observations shall be complied with in letter and spirit. The Committee decided to incorporate the aforementioned

observations as the specific ToRs to the project so that the Project Proponent shall submit the final EIA report by incorporating the compliance of standard as well as specific ToRs.

SEAC further observed that being a violation case as admitted by the Project Proponent, the case is required to be dealt with as per the MoEF notification dated 07.07.2021. As per the said notification, action has to be taken against the violator by the Punjab Pollution Control Board as per the provision of Sections 15 & 16 read with Section 19 of the Environment (Protection) Act 1986.

After detailed deliberations, SEAC decided as under:

1. The application of the project proponent be forwarded to SEIAA with the recommendation to grant Terms of References (ToR) for Residential Township Project namely "Janta Township" located at Sector 90-91, Distt. SAS Nagar, Punjab, as per the details mentioned in Form 1, 1A, EMP & subsequent presentation /clarifications made by the project proponent and his consultant subject to the standard ToRs along with specific ToR as under:

    (i) The Project Proponent shall neither undertake any further construction activity under the project nor create any third-party interest in the project till the grant of Environment Clearance under EIA Notification dated 14.09.2006.

    (ii) The Project Proponent shall pay penalty as per the provisions of the MoEF&CC Notification dated 07.07.2021 at the time of submission of EIA/EMP report.

    (iii) The Project Proponent shall submit an Environmental Impact Assessment (EIA) Report and Environmental Management Plan (EMP) at the time of applying for Environmental Clearance. The Project Proponent shall submit a separate chapter defining the role and responsibilities of all the stakeholders in the implementation of the proposed Environmental Management Plan as well as for assuring proper compliance of the conditions of Environmental Clearance in case it is granted.

    (iv) The Project Proponent shall make the Damage Assessment and shall prepare the Remedial Plan and Natural & Community Resource Augmentation Plan. 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 an 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.

    (v) The Project Proponent shall submit a bank guarantee equal to the amount of the Remediation Plan and Natural & Community Resource Augmentation Plan with the Punjab Pollution Control Board. The Bank Guarantee shall be deposited prior to the grant of Environmental Clearance and will be released after successful implementation of the Remediation Plan and Natural & Community Resource

Augmentation Plan. This information shall be submitted by the Project Proponent at the time of applying for Environmental Clearance.

2. Directions under Section 5 of the Environment (Protection) Act 1986 be issued to Punjab Pollution Control Board to initiate action against the responsible persons under the provision of Section 15 & 16 read with Section 19 of the Environmental (Protection) Act 1986 for the violation of the provisions of the EIA notification dated 14.09.2006.

Standard TOR

1. Examine details of land use as per Master Plan and land use around 10 km radius of the project site. Analysis should be made based on latest satellite imagery for land use with raw images. Check on flood plain of any river.
2. Submit details of environmentally sensitive places, land acquisition status, rehabilitation of communities/villages and present status of such activities.
3. Examine baseline environmental quality along with projected incremental load due to the project.
4. Environmental data to be considered in relation to the project development would be (a) land, (b) groundwater, (c) surface water, (d) air, (e) bio-diversity, (f) noise and vibrations, (g) socio economic and health.
5. Submit a copy of the contour plan with slopes, drainage pattern of the site and surrounding area. Any obstruction of the same by the project.
6. Submit the details of the trees to be felled for the project
7. Submit the present land use and permission required for any conversion such as forest, agriculture etc.
8. Submit Roles and responsibility of the developer etc. for compliance of environmental regulations under the provisions of EP Act.
9. Ground water classification as per the Central Ground Water Authority.
10. Examine the details of Source of water, water requirement, use of treated waste water and prepare a water balance chart.
11. Rain water harvesting proposals should be made with due safeguards for ground water quality. Maximize recycling of water and utilization of rain water. Examine details.
12. Examine soil characteristics and depth of groundwater table for rainwater harvesting.
13. Examine details of solid waste generation treatment and its disposal.
14. Examine and submit details of use of solar energy and alternative source of energy to reduce the fossil energy consumption. Energy conservation and energy efficiency.
15. DG sets are likely to be used during construction and operational phase of the project. Emissions from DG sets must be taken into consideration while estimating the impacts on air environment. Examine and submit details.

16. Examine road/rail connectivity to the project site and impact on the traffic due to the proposed project. Present and future traffic and transport facilities for the region should be analyzed with measures for preventing traffic congestion and providing faster trouble-free system to reach different destinations in the city.
17. A detailed traffic and transportation study should be made for existing and projected passenger and cargo traffic.
18. Examine the details of transport of materials for construction which should include source and availability.
19. Examine separately the details for construction and operation phases both for Environmental Management Plan and Environmental Monitoring Plan with cost and parameters.
20. Baseline data should not be older than 3 years.
21. Submit details of a comprehensive Disaster Management Plan including emergency evacuation during natural and man-made disaster.
22. Submit a validated copy of the consent to establish from Punjab Pollution Control Board under the provisions of the Water Act 1974 and Air Act 1981.
23. Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
24. The cost of the Project (capital cost and recurring cost) as well as the cost towards implementation of EMP should be clearly spelt out.
25. Environmental Consultant shall prepare EIA report keeping in view Office Memorandum dated 07.07.2021 issued by the MoEF&CC, New Delhi.
26. Environmental Consultant shall collect the baseline data for three months as per MOEF&CC office memorandum dated 29.08.2017.

Specific TOR

(i) The Project Proponent shall neither undertake any further construction activity under the project nor create any third-party interest in the project till the grant of Environment Clearance under EIA Notification dated 14.09.2006.

(ii) The Project Proponent shall pay penalty as per the provisions of MoEF Notification dated 07.07.2021 at the time of submission of EIA/EMP report.

(iii) The Project Proponent shall submit Environmental Impact Assessment (EIA) Report and Environmental Management Plan (EMP) at the time of applying for Environmental Clearance. The Project Proponent shall submit a separate chapter defining the role and

responsibilities of all the stakeholders in the implementation of the proposed Environmental Management Plan as well as for assuring proper compliance of the conditions of Environmental Clearance in case it is granted.

(iv) The Project Proponent shall make the Damage Assessment and shall prepare the Remedial Plan and Natural & Community Resource Augmentation Plan. 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 an 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.

(v) The Project Proponent shall submit a bank guarantee equal to the amount of Remediation Plan and Natural & Community Resource Augmentation Plan with Punjab Pollution Control Board. The Bank Guarantee shall be deposited prior to the grant of Environmental Clearance and will be released after successful implementation of the Remediation Plan and Natural & Community Resource Augmentation Plan. This information shall be submitted by the Project Proponent at the time of applying for Environmental Clearance.

(vi) The Project Proponent shall submit permission for abstraction of 1857 KLD of ground water as proposed in the application from the competent authority.

(vii) 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.

(viii) The Project Proponent shall submit the alternate proposal for the utilization of treated waste water rather than utilizing treated wastewater in the land area of 12.30 acre to be developed as per Karnal Technology.

(ix) The Project Proponent has proposed to develop only 6% of green area within the project. The Project Proponent shall explore the possibility to enhance the green area development within the project premises.

2.0 Deliberations during the 207th meeting of SEIAA held on 15.06.2022.

The case was considered by SEIAA in its 207th meeting held on 15.06.2022 which was attended by the following:

(i) Sh. Hardeep Singh, Deputy Chief Engineer and Sh. Baljit Singh, Environmental Engineer from M/s JLPL.
(ii) Dr. Sandeep Garg, EIA Coordinator, M/s Eco Laboratories Pvt Ltd.
(iii) Mrs. Simranjit Kaur, EIA Coordinator, M/s Eco Laboratories Pvt. Ltd.

The environmental Consultant of the Promoter Company presented the salient features of the project and requested for issuance of TORs. A copy of the presentation submitted by the project proponent was also taken on record by the SEIAA.

Environmental Consultant further informed that a baseline study of the project of M/s Unitec Limited which is located at a distance of 4.24 Km shall be considered for this project. However, an additional one-month core study shall be carried out for the expansion project.

To a query by SEIAA, Environmental Consultant informed that no sewer exists in the vicinity of the project. However, 12.30 acres of land shall be kept reserved for disposal of the 1.23 MLD treated wastewater as per "Karnal Technology" for plantation purposes.

SEIAA was not satisfied with the reply of the project proponent as it envisaged departure from the original proposal and EC condition of disposing the waste water in MC Sewer. Moreover, disposal of very large quantities of treated waste-water of the Project which is located in Sectors 90-91 at a distant location in Sector 93 was not a sustainable long-term solution and would not be tenable once development works commenced in Sector 93 as well. To this, Environmental Consultant informed that as per the additional TOR imposed by SEAC, they would examine alternate proposals for the utilization of treated wastewater rather than disposing the same in area of 12.3 acres to be developed as per the Karnal Technology in Sector 93.

During discussions, the Environmental Consultant of the promoter company agreed to prepare a detailed EIA on the basis of Terms of Reference as recommended by the SEAC except the TOR no. 26 as the MoEF&CC had issued a fresh Office Memorandum on 08.06.2022 in supersession of OM no. J-11013/41/2006-IA-II (I) (Part) dated 29th August 2017. Accordingly, he requested to amend TOR no. 26 in accordance with OM dated 08.06.2022.

SEIAA observed that the SEAC has categorized the project as B-1 category (under Item 8 (b) of the Schedule appended to the EIA Notification). Public consultation is not required for this category of project and SEAC has recommended specific TORs for undertaking detailed EIA and EMP for the project.

SEIAA looked into the details of the case and was satisfied with the same. Therefore, the Authority decided to accept the recommendations of SEAC and approved the Terms of Reference for undertaking detailed EIA and EMP as finalized by SEAC for the expansion of the residential township project namely "Janta Township" by M/s Janta Land Promoters Pvt. Ltd., with following additional/amended TORs:

Amendment in the Additional specific TOR no. (iv) proposed by SEAC

(iv) Environmental Consultant shall collect the baseline data for three months as per MOEF&CC office memorandum dated 08.06.2022.

Additional TORs

(i) Examine and propose satisfactory disposal arrangements for treated wastewater other than through Karnal Technology in a distant location.

(ii) Submit the approved layout plan of the project from the Competent Authority.

(iii) Submit the details of Green Buffer.

(iv) Submit NOC from the concerned territorial / wildlife DFO's that no Forest/PLPA/Wildlife areas are involved at the time of submission of the EIA report.

(v) Submit NOC/permission from PWRDA for the abstraction of ground water.

(vi) Submit undertaking that the natural drainage channels in the project site including streams, drains, choes, creeks, rivulets, etc. will not be disturbed and that the natural flow of rainwater, etc will not be impeded or disrupted in any manner.

(vii) Undertake all activities related to the Corporate Social Responsibility in the Environmental Management Plan and ensure compliance of OM 25.02.2021 issued by the MoEF&CC.

(viii) Submit the certified compliance report issued by the Integrated Regional Office of MoEF&CC as per the provisions of OM dated 08.06.2022 issued by the MoEF&CC.

Item No. 207:02: Application for issuance of TORs under EIA Notification dated 14.09.2006 for Warehouse Project at village Chamaru (H.B. No. 79) & Mehtabgarh (H.B. No. 77), Tehsil Rajpura, District Patiala, Punjab by M/s Xplent Logistics Park Private Limited. (Proposal No. SIA/PB/MIS/75959/2022).

Background and salient features of the project are as under:

The project proponent has applied for issuance of Terms of Reference under EIA Notification dated 14.09.2006 for the establishment of Warehouse Project at village Chamaru (H.B. No. 79) & Mehtabgarh (H.B. No. 77), Tehsil Rajpura, District Patiala, Punjab. The total land area of the project is 86,596.96 sqm having built-up area of 54,389.843 Sqm. The Project is covered under Activity 8(a) & Category 'B2' as per EIA notification-2006.

The Project Proponent proposes to establish the warehouse unit in the industrial estate being developed by M/s Vividha Infrastructure Private Limited. Further, M/s Vividha Infrastructure Private Limited was granted Environmental Clearance under EIA notification dated 14.09.2006 vide letter no. SEIAA/2018/643 dated 24.05.2018 for establishment of industrial Mega Project at Village Chamaru & Mehtabgarh, Tehsil Rajpura, District Patiala for the total land area of 255.28 acres. The Project Proponent has submitted a conveyance deed executed with M/s Vividha Infrastructure Private Limited for setting up of the warehouse unit in the plot area of 13.96 acres & 7.44 acres.

The Project Proponent has mentioned in the conceptual plan that 2 out of 3 blocks have been constructed and the same are operational. He further admitted that he was not aware of the fact that the Environmental Clearance needs to obtain by individual plot owner prior to the construction. Further, the construction work was inadvertently started on the land without obtaining Environmental Clearance.

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

The project proponent submitted the Form I, IA and other additional documents on online portal. The cost of the project is Rs. 71.24 Cr. and the Project Proponent has deposited Rs. 24820/- (25% of the total fee i.e., Rs. 99,268.28/-) vide UTR No. 210512903468 dated 15.04.2022 & Rs. 2378/ vide UTR No. 8095556426 dated 12.05.2022.

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

The meeting was attended by the following:

(i) Sh. Sukhmeet Grewal, Director, M/s Xplent Logistics Park Private Limited.
(ii) Mr. Sandeep Garg, EIA Coordinator, M/s Eco laboratories Pvt Ltd.

(iii) Mrs. Simranjit Kaur, EIA Coordinator, M/s Eco laboratories Pvt. Ltd.

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

Sr. No.	Description	Details
1	**Basic Details**	
1.1	Name of Project & Project Proponent:	Warehouse Project by M/s Xplent Logistics Park Pvt. Ltd. at Plot No. 6 and 7 of M/s Vividha Infrastructure Pvt. Ltd., Village Chamaru (H.B. No. 79) and Mehtabgarh (H.B. No. 77), Tehsil Rajpura, District Patiala, Punjab.
1.2	Proposal:	SIA/PB/MIS/75959/2022
1.3	Location of Project:	Plot No. 6 and 7 of M/s Vividha Infrastructure Pvt. Ltd., Village Chamaru (H.B. No. 79) and Mehtabgarh (H.B. No. 77), Tehsil Rajpura, District Patiala, Punjab.
1.4	Details of Land area & Built-up area:	Plot area: 86,596.96 sqm Built-up area: 54,389.843 Sqm
1.5	Category under EIA notification dated 14.09.2006	The project falls under S.No. 8(a) 'Building & Construction Project' as the built-up area of the project is 54,389.843 m^2
1.6	Cost of the project	Rs. 71.24 Crores
2.	**Site Suitability Characteristics**	
2.1	Whether project is suitable as per the provisions of Master Plan:	Yes, the project falls in Industrial zone as per proposed land use plan of Rajpura. A copy of the Master Plan showing the project location in the industrial area of Rajpura submitted
2.2	Whether supporting document submitted in favour of statement at 2.1, details thereof: (CLU/building plan approval status)	Warehouse project falls within industrial estate developed by M/s Vividha Infrastructure Pvt. Ltd. (i) Permission for Change of Land Use for land area of 255.28 acres by M/s VIvidha Infrastructure Private Limited has been obtained from Department of Housing & Urban Development, Punjab issued vide no. PBIP/STP/2016/658 dated 19.02.2016. (ii) Conveyance deed for the plot area of 7.44 acres and 13.96 acres executed with M/s Vividha Infrastructure Private Limited for industrial purposes.
3	**Forest, Wildlife and Green Area**	
3.1	Whether the project required clearance under the provisions	No, a self-declaration to the effect that no clearance is required under Forest Conservation Act 1980 submitted.

	of Forest Conservations Act 1980 or not:	
3.2	Whether project required clearance under the provisions of Wildlife Protection Act 1972 or not:	No wildlife sanctuary falls within 10 km of project. Thus, no Wildlife clearance is required. A self-declaration in this regard submitted.
3.4	Distance of the project from the Critically Polluted Area.	The nearest critical polluted area is Ludhiana which is approx. 80 km from project location.
3.5	Whether the project falls within the influence of Eco-Sensitive Zone or not.	No
3.6	Green area requirement and proposed No. of trees:	Total green area: 5,737.625 sq.m. Proposed trees to be planted: 1,085 trees
4.	**Configuration & Population**	
4.1	Proposal & Configuration	

			Area Under F.A. R	
Sr. No.	**Block Name**	**Building Type**	**Floors**	**Area (Sq.m)**
1	A	Approved and Constructed	G. F	21319.690
			MEZANNINE	272.409
			CANOPY	564.760
			CHECK POST	9.000
			TOTAL	22165.859
2	B1	Under Compounding	G. F	906.00
3	B2	Under Compounding	G. F	847.140
3	B	Not Approved but Constructed	G. F	16279.310
			MEZANNINE	279.629
			CANOPY	203.980
			TOTAL	16762.919
4	C	Proposed	G. F	9600.000
			MEZANNINE	328.250
			CANOPY	195.300
			TOTAL	10123.550

	5	CANTEEN	Proposed	G. F	61.790
	6	WATER SUPPLY ROOM	Proposed		
	7	PUMP ROOM	Proposed		
	8	PANEL ROOM	Proposed		
	9	METER ROOM	Proposed		
		Total Covered Area under FAR			**50867.259 sqm**
		Total Covered Area under Non-FAR			**3522.585 sqm**
		TOTAL COVERED AREA (F.A.R AREA + NON-F.A. R AREA)			**50867.259+ 3522.585 = 54389.585 sqm**

4.2	Population details	85 persons
5	**Water**	
5.1	Total fresh water requirement:	32.7 KLD
5.2	Source:	Borewell
5.3	Whether Permission obtained for abstraction/supply of the fresh water from the Competent Authority (Y/N) *Details thereof*	Not applied yet
5.4	Total wastewater generation:	2.9 KLD
5.5	Treatment methodology: *(STP capacity, technology & components)*	2.9 KLD of sewage will be generated from the project which will be discharged in proposed septic tank.
5.6	Treated wastewater for flushing purpose:	Nil
5.7	Treated wastewater for green area in summer, winter and rainy season:	Summer: 2.9 KLD Winter: 2.9 KLD Monsoon: 2.9 KLD
5.8	Utilization/Disposal of excess treated wastewater.	No excess treated water will be generated.

<table>
<tr><td>5.9</td><td colspan="2">Cumulative Details:

<table>
<tr><th>Sr. No.</th><th>Total water Requirement</th><th>Total wastewater generated</th><th>Treated wastewater</th><th>Flushing water requirement</th><th>Green area requirement</th></tr>
<tr><td>1.</td><td>3.6 KLD</td><td>2.9 KLD</td><td>2.9 KLD</td><td>-</td><td>Summer: 32 KLD
Winter: 10 KLD
Monsoon: 3 KLD</td></tr>
</table>
*Additional quantity of fresh water shall be utilized or green area development.</td></tr>
<tr><td>5.10</td><td>Rain water harvesting proposal:</td><td>4 Rain water harvesting pit with dual bore shall be provided for rain water recharge within the project.</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>3 DG sets of capacity 250 KVA each.</td></tr>
<tr><td>6.2</td><td>Measures to be adopted to contain particulate emission/Air Pollution</td><td>DG sets will be equipped with acoustic enclosure to minimize noise generation and adequate stack height for proper dispersion.</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>17 kg/day</td></tr>
<tr><td>7.2</td><td>Whether Solid Waste Management layout plan by earmarking the location as well as area designated for installation of Mechanical Composter and Material Recovery Facility submitted or not</td><td>Biodegradable waste will be composted in compost pit. Non-biodegradable waste (recyclable waste) will be disposed off through authorized recycler vendors. Inert waste will be dumped to authorized dumping site.</td></tr>
<tr><td>7.5</td><td>Details of management of Hazardous Waste.</td><td>Hazardous waste in the form of used oil from DG set will be generated which will be sold to authorized vendors as per The Hazardous & Other Wastes (Management & Transboundary Movement) Rules, 2016 and its amendments.</td></tr>
<tr><td>8</td><td>Energy Saving & EMP</td><td></td></tr>
<tr><td>8.1</td><td>Power Consumption:</td><td>750 KVA</td></tr>
<tr><td>8.2</td><td>Energy-saving measures:</td><td>• LEDs have been proposed to be used instead of CFLs.
• Solar panels have been proposed on the roof top of the warehouse.</td></tr>
</table>

The Committee observed that being a violation case as admitted by the Project Proponent, the case is required to be dealt with as per the MoEF&CC notification dated 07.07.2021. As per the said notification, action has to be taken against the violator by the Punjab Pollution Control Board as per the provision of Sections 15 & 16 read with Section 19 of the Environment (Protection) Act 1986.

After detailed deliberations, SEAC decided as under:

1. The application of the project proponent be forwarded to SEIAA with the recommendation to grant Terms of References (ToR) for the establishment of the Warehouse Project at village Chamaru (H.B. No. 79) & Mehtabgarh (H.B. No. 77), Tehsil Rajpura, District Patiala, Punjab. The total land area of the project is 86,602 sqm having a built-up area of 54,389.843 Sqm, as per the details mentioned in Form 1, 1A, EMP & subsequent presentation /clarifications made by the project proponent and his consultant subject to the standard ToRs along with specific ToR as under:

   (i) The Project Proponent shall neither undertake any further construction activity under the project nor create any third-party interest in the project till the grant of Environment Clearance under EIA Notification dated 14.09.2006.

   (ii) The Project Proponent shall pay penalty as per the provisions of the MoEF Notification dated 07.07.2021 at the time of submission of the EIA/EMP report.

   (iii) The Project Proponent shall submit an Environmental Impact Assessment (EIA) Report and Environmental Management Plan (EMP) at the time of applying for Environmental Clearance. The Project Proponent shall submit a separate chapter defining the role and responsibilities of all the stakeholders in the implementation of the proposed Environmental Management Plan as well as for assuring proper compliance of the conditions of Environmental Clearance in case it is granted.

   (iv) The Project Proponent shall make the Damage Assessment and shall prepare the Remedial Plan and Natural & Community Resource Augmentation Plan. 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 an 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.

   (v) The Project Proponent shall submit a bank guarantee equal to the amount of Remediation Plan and Natural & Community Resource Augmentation Plan with Punjab Pollution Control Board. The Bank Guarantee shall be deposited prior to the grant of Environmental Clearance and will be released after successful implementation of the Remediation Plan and Natural & Community Resource Augmentation Plan. This information shall be submitted by the Project Proponent at the time of applying for Environmental Clearance.

2. Directions under Section 5 of the Environment (Protection) Act 1986 be issued to Punjab Pollution Control Board to initiate action against the responsible persons under the provision of Section 15 & 16 read with Section 19 of the Environmental (Protection) Act 1986 for the violation of the provisions of the EIA notification dated 14.09.2006.

Standard TOR

1. Examine details of land use as per Master Plan and land use around 10 km radius of the project site. Analysis should be made based on latest satellite imagery for land use with raw images. Check on flood plain of any river.
2. Submit details of environmentally sensitive places, land acquisition status, rehabilitation of communities/villages and present status of such activities.
3. Examine baseline environmental quality along with projected incremental load due to the project.
4. Environmental data to be considered in relation to the project development would be (a) land, (b) groundwater, (c) surface water, (d) air, (e) bio-diversity, (f) noise and vibrations, (g) socio economic and health.
5. Submit a copy of the contour plan with slopes, drainage pattern of the site and surrounding area. Any obstruction of the same by the project.
6. Submit the details of the trees to be felled for the project
7. Submit the present land use and permission required for any conversion such as forest, agriculture etc.
8. Submit Roles and responsibility of the developer etc. for compliance of environmental regulations under the provisions of EP Act.
9. Ground water classification as per the Central Ground Water Authority.
10. Examine the details of Source of water, water requirement, use of treated waste water and prepare a water balance chart.
11. Rain water harvesting proposals should be made with due safeguards for ground water quality. Maximize recycling of water and utilization of rain water. Examine details.
12. Examine soil characteristics and depth of ground water table for rainwater harvesting.
13. Examine details of solid waste generation treatment and its disposal.
14. Examine and submit details of use of solar energy and alternative source of energy to reduce the fossil energy consumption. Energy conservation and energy efficiency.
15. DG sets are likely to be used during construction and operational phase of the project. Emissions from DG sets must be taken into consideration while estimating the impacts on air environment. Examine and submit details.
16. Examine road/rail connectivity to the project site and impact on the traffic due to the proposed project. Present and future traffic and transport facilities for the region should

be analyzed with measures for preventing traffic congestion and providing faster trouble-free system to reach different destinations in the city.

17. A detailed traffic and transportation study should be made for existing and projected passenger and cargo traffic.
18. Examine the details of transport of materials for construction which should include source and availability.
19. Examine separately the details for construction and operation phases both for Environmental Management Plan and Environmental Monitoring Plan with cost and parameters.
20. Baseline data should not be older than 3 years.
21. Submit details of a comprehensive Disaster Management Plan including emergency evacuation during natural and man-made disaster.
22. Submit a validated copy of the consent to establish from Punjab Pollution Control Board under the provisions of the Water Act 1974 and Air Act 1981.
23. Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
24. The cost of the Project (capital cost and recurring cost) as well as the cost towards implementation of EMP should be clearly spelt out.
25. Environmental Consultant shall prepare EIA report keeping in view Office Memorandum dated 07.07.2021 issued by the MoEF&CC, New Delhi.
26. Environmental Consultant shall collect the baseline data for three months as per MOEF&CC office memorandum dated 29.08.2017.

Specific TOR

(i) The Project Proponent shall neither undertake any further construction activity under the project nor create any third-party interest in the project till the grant of Environment Clearance under EIA Notification dated 14.09.2006.

(ii) The Project Proponent shall pay penalty as per the provisions of MoEF Notification dated 07.07.2021 at the time of submission of EIA/EMP report.

(iii) The Project Proponent shall submit Environmental Impact Assessment (EIA) Report and Environmental Management Plan (EMP) at the time of applying for Environmental Clearance. The Project Proponent shall submit a separate chapter defining the role and responsibilities of all the stakeholders in the implementation of the proposed Environmental Management Plan as well as for assuring proper compliance of the conditions of Environmental Clearance in case it is granted.

(iv) The Project Proponent shall make the Damage Assessment and shall prepare the Remedial Plan and Natural & Community Resource Augmentation Plan. 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 an 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.

(v) The Project Proponent shall submit a bank guarantee equal to the amount of Remediation Plan and Natural & Community Resource Augmentation Plan with Punjab Pollution Control Board. The Bank Guarantee shall be deposited prior to the grant of Environmental Clearance and will be released after successful implementation of the Remediation Plan and Natural & Community Resource Augmentation Plan. This information shall be submitted by the Project Proponent at the time of applying for Environmental Clearance.

2.0 Deliberations during the 207th meeting of SEIAA held on 15.06.2022.

The case was considered by SEIAA in its 207th meeting held on 15.06.2022 which was attended by the following:

(i) Sh. Sukhmeet Singh Grewal, Director, M/s Xplent Logistics Park Private Limited.
(ii) Dr. Sandeep Garg, EIA Coordinator, M/s Eco Laboratories Pvt Ltd.
(iii) Mrs. Simranjit Kaur, EIA Coordinator, M/s Eco Laboratories Pvt. Ltd.

The environmental Consultant of the Promoter Company presented the salient features of the project. A copy of the presentation submitted by the project proponent was also taken on record by the SEIAA.

Environmental Consultant informed that the project is a category B2 project and being a violation case, the EIA report shall be prepared in conformity with the OM dated 07.07.2021 issued by the MoEF&CC. Baseline monitoring of one month has already been carried out in the month of April, 2022 for which intimation was given on the email ID of SEAC (seacpb2017@gmail.com) on 05.04.2022.

To a query by SEIAA, the Project proponent informed that out of 3 blocks, construction of the sheds of the 2 blocks has been completed and these are in operation.

To another query by SEIAA, Environmental Consultant informed that a detailed calculation of the Rainwater harvesting system and Environmental Management Plan including the CER activities defining the role and responsibilities of the implementation of the Environmental Management Plan shall be provided at the time of submission of the application of Environmental Clearance.

After deliberations, SEIAA decided as under:

a) Direction u/s 5 of the Environment (Protection) Act, 1986 be issued to PPCB to initiate action against the responsible persons under the provisions of Sections 15 and 16 read with Section 19 of the Environment (Protection) Act, 1986 and send the action taken report to SEIAA, Punjab, within 30 days.

b) Directions u/s 5 of the Environment (Protection) Act, 1986 be issued to the project proponent as under:

   (i) That the project proponent shall not undertake any further construction activity under the project or create any further third-party interest in the project till the grant of Environmental Clearance under EIA Notification dated 14.09.2006.
   (ii) That the project proponent shall pay a penalty equivalent to the amount as may be determined based upon notification dated 07.07.2021 at the time of submission of EIA/EMP report.

c) Terms of reference be issued to the project proponent as recommended by SEAC for carrying out detailed EIA & EMP as proposed by SEAC.

Additional TORs

(i) Submit the approved layout plan of the project from the Competent Authority.

(ii) Submit separate details of Green Areas in the form of plantations of indigenous tree species and of ornamental shrubs / grasses etc.

(iii) Submit NOC/permission from PWRDA for the abstraction of ground water.

(iv) Undertake all activities related to the Corporate Environmental Responsibility in the Environmental Management Plan and ensure compliance of OM dated 25.02.2021 issued by the MoEF&CC.

(v) Baseline data collected during the month of April 2022 may be utilized for the preparation of the EIA report.

Item no. 207.03: Application for obtaining Environmental Clearance under EIA notification dated 14.09.2006 for the establishment of Warehouse Project at Village Chamaru, Tehsil Rajpura, District Patiala, (Punjab) by M/s Xplent Logistics Park Private Limited, (Proposal No. SIA/PB/MIS/268718/2022).

Background and salient features of the project are as under:

The project proponent has submitted an application for obtaining Environmental Clearance under EIA Notification dated 14.09.2006 for the establishment of the Warehouse Project at Village Chamaru, Tehsil Rajpura, District Patiala, (Punjab). The total land area of the project is 53,944.59 sqm having a built-up area of 29115.224 Sqm. The Project is covered under Activity 8(a) & Category 'B2' as per EIA notification-2006.

The project proponent submitted Form I, 1A, and other additional documents along with the processing fee amounting to Rs. 57,457/- vide UTR No. 210512903468 dated 15.04.2022 & Rs. 774/- UTR No. 809557930 dated 12.05.2022. The total cost of the project is Rs. 41.54 Crore.

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

PPCB was requested to send the latest construction status report of the project through e-mail on 27.04.2022. Punjab Pollution Control Board vide letter no. 2752 dated 08.05.2022 has sent the latest construction status report with details as under:

"The site of the proposed project was visited by the officer of the Board on 28.04.2022 to verify the facts and the pointwise reply/comments of the Board to the information sought is as under:

Sr. No.	***Points as desired by EE (SEIAA)***	***Comments***
1.	*Construction Status of the proposed project. Please send a clear-cut report as to whether construction for the proposed project has been started for the project except for securing the land.*	*The site was visited by the AEE of this office on 28.04.2022 and observed that the project Proponent has constructed the boundary wall along three side.* ***No construction activity was observed during the visit.***
2.	*Status of physical structures within 500 m radius of the site including the status of industries, drain, river and eco-sensitive structures if any.*	*There is one no. wine storage shop, agriculture area and land area of M/s Vividha Infrastructure Pvt. Ltd. Within the 500 m radius form the site.* *No residential area, lal lakir, phirni was observed within 500m of the site.*

3.	*Whether the site is meeting the prescribed criteria for setting up of such type of projects. Please send the clear-cut recommendation.*	*No lal lakir, phirni, residential area was observed within the 100m from the site. The site falls in the industrial land use zone as per the Master Plan of Rajpura. Therefore, site is suitable for the establishment such type of units.*

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

The meeting was attended by the following:

(i) Sh. Sukhmeet Grewal, Director, M/s Xplent Logistics Park Private Limited.
(ii) Mr. Sandeep Garg, EIA Coordinator, M/s Eco laboratories Pvt Ltd.
(iii) Mrs. Simranjit Kaur, EIA Coordinator, M/s Eco laboratories Pvt. Ltd.

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

Sr. No	Description	Details
1	**Basic Details**	
1.1	Name of Project & Project Proponent:	Warehouse Project at Village Chamaru (H.B. No. 79), Tehsil Rajpura, Distt. Patiala, Punjab by M/s Xplent Logistics Park Pvt. Ltd.
1.2	Proposal:	SIA/PB/MIS/268718/2022
1.3	Location of Project:	Village Chamaru (H.B. No. 79), Tehsil Rajpura, Distt. Patiala, Punjab.
1.4	Details of Land area & Built-up area:	Plot area: 53,944.59 sqm Built-up area: 29115.224 sqm
1.5	Category under EIA notification dated 14.09.2006	The project falls under S.No. 8(a) 'Building & Construction Project' as the built-up area of the project is 29115.224 m^2
1.6	Cost of the project	Rs. 41.54 Crores
2.	**Site Suitability Characteristics**	
2.1	Whether project is suitable as per the provisions of Master Plan:	Yes, the project falls in Industrial zone as per proposed land use plan of Rajpura.
2.2	Whether supporting document submitted in favour of statement at 2.1, details thereof: (CLU/building plan approval status)	Permission for change of land use for the total land area 13.33 acres falling in Village Chamaru, Tehsil Rajpura, District Patiala for Warehouse has been issued by Department of Town and Country Planning, Punjab vide Memo No. 2483-STP(P)/SP-327 dated 30.09.2021. A copy of the said permission submitted.
3	**Forest, Wildlife and Green Area**	

3.1	Whether the project required clearance under the provisions of Forest Conservations Act 1980 or not:	No forest land is involved in project. A self-declaration in this regard submitted.
3.2	Whether project required clearance under the provisions of Wildlife Protection Act 1972 or not:	No Bird or wildlife sanctuary falls within 10 km of project location. Thus, no Wildlife clearance is required. A self-declaration in this regard submitted.
3.3	Distance of the project from the Critically Polluted Area.	The nearest critical polluted area is Ludhiana which is approx. 80 km from project location.
3.4	Whether the project falls within the influence of Eco-Sensitive Zone or not.	No
3.6	Green area requirement and proposed No. of trees:	Total green area: 5,416.790 sqm Proposed trees to be planted: 680 trees
4.	**Configuration & Population**	
4.1		

AREA CALCULATION – BLOCK WISE

Sr. No.	Block name	Building Type	Floors	Area under F.A.R	Area under non-F. A. R		
				Area (sq. Mtr.)	Name Nos.		Area (sq. Mtr.)
1	Warehouse 1	Proposed Shed	G. F	13275.000	Ramp & Stair 2		102.090
			Mezzanine	628.922	Stairs	4	23.040
			Canopy	442.000		9	52.560
2	Warehouse 2	Proposed Shed	G. F	13275.000	Ramp & Stair	2	102.090
			Mezzanine	628.922	STAIRS	4	23.040
			Canopy	442.000		9	52.560
3	Fire Pump & Water Supply Room	Proposed Building			G.F	1	50.000

	4	Checkpost (2 NOS)	Proposed Building			G.F	2	18.000
			Total Area under F.A.R =		28691.844	**Total Area under NON-F.A.R =**		423.380
			TOTAL COVERED AREA (F.A.R + NON-F.A.R)		28691.844	+	423.380	= **29115.224 sqm**
	**The above said details are as per the conceptual plan submitted by the Project Proponent.*							
4.2	Population detail		76 persons					
5	**Water**							
5.1	Total freshwater requirement:		31 KLD (3 KLD shall be utilized to meet the domestic requirement and the remaining 28 KLD shall be utilized for horticulture purposes)					
5.2	Source:		Borewell					
5.3	Whether Permission obtained for abstraction/supply of the fresh water from the Competent Authority (Y/N) *Details thereof*		Application has been filed to PWRDA for the abstraction of 36 KLD of ground water. A copy of the acknowledgment along with the application will be submitted.					
5.4	Total wastewater generation:		2.4 KLD					
5.5	Treatment methodology: *(STP capacity, technology & components)*		2.4 KLD of wastewater will be generated from the project which will be discharged in proposed septic tank.					
5.6	Treated wastewater for flushing purpose:		Nil					
5.7	Treated wastewater for green area in summer, winter and rainy season:		Summer: 2 KLD Winter: 2 KLD Monsoon: 2 KLD					
5.8	Utilization/Disposal of excess treated wastewater.		No excess treated water will be generated.					
5.9	Cumulative Details:							

Sr. No.	**Total water Requirement**	**Total wastewater generated**	**Treated wastewater**	**Flushing water requirement**	**Green area requirement**

<table>
<tr><td></td><td colspan="2"><table>
<tr><td>1.</td><td>31 KLD</td><td>2.4 KLD</td><td>2 KLD</td><td>-</td><td>Summer: 30 KLD
Winter: 10 KLD
Monsoon: 3 KLD</td></tr>
</table></td><td colspan="2"></td></tr>
<tr><td>5.10</td><td>Rain water harvesting proposal:</td><td colspan="2">10 Rain water recharging pits have been proposed for artificial rain water recharging within the project premises to handle the 754 cubic meter/hour of runoff.</td></tr>
<tr><td>6</td><td colspan="3">Air</td></tr>
<tr><td>6.1</td><td>Details of Air Polluting machinery:</td><td colspan="2">2 DG sets of capacity 250 KVA & 125 KVA each.</td></tr>
<tr><td>6.2</td><td>Measures to be adopted to contain particulate emission/Air Pollution</td><td colspan="2">DG sets will be equipped with acoustic enclosure to minimize noise generation and adequate stack height for proper dispersion.</td></tr>
<tr><td>7</td><td>Waste Management</td><td colspan="2"></td></tr>
<tr><td>7.1</td><td>Total quantity of solid waste generation</td><td colspan="2">15kg/day</td></tr>
<tr><td>7.2</td><td>Whether Solid Waste Management layout plan by earmarking the location as well as area designated for installation of Mechanical Composter and Material Recovery Facility submitted or not</td><td colspan="2">Biodegradable waste will be converted to compost in compost pit. Non-biodegradable waste (recyclable waste) will be disposed off through authorized recycler vendors. Inert waste will be dumped to authorized dumping site. A separate area has been earmarked for the management of within the project.</td></tr>
<tr><td>7.5</td><td>Details of management of Hazardous Waste.</td><td colspan="2">Hazardous waste in the form of used oil from DG set will be generated which will be sold to authorized vendors as per The Hazardous & Other Wastes (Management & Transboundary Movement) Rules, 2016 and its amendments.</td></tr>
<tr><td>8</td><td>Energy Saving & EMP</td><td colspan="2"></td></tr>
<tr><td>8.1</td><td>Power Consumption:</td><td colspan="2">625 KVA</td></tr>
<tr><td>8.2</td><td>Energy saving measures:</td><td colspan="2">Detailed energy savings is as mentinaed below:
<table>
<tr><th>Description</th><th>CFL (W)</th><th>LED (W)</th><th>No. of fixtures</th><th>Power saved (kW)</th></tr>
<tr><td>Light Fixtures</td><td>15</td><td>7</td><td>200</td><td>1.6 KW</td></tr>
</table></td></tr>
</table>

		Solar Energy Installation

Roof area (m^2)	**Available space (m^2)**	**Area required/kW**	
29115.224 sqm	8734 (@30%)	12 sq.m	728 KW

8.3 Details of activities under Environment Management Plan.

Details of activities under Environment Management Plan is as mentioned below:

Sr. No.	**Title**	**Construction Phase**		**Operation Phase**
		Capital Cost (in Lakhs)	**Recurring Cost (in Lakhs per Annum)**	**Recurring Cost (in Lakhs per Annum)**
1.	Air Pollution Control (tarpaulin sheets/ barricading, water sprinklers, etc.)	2	0.5	0.2
2.	Water Pollution Control (Septic Tank)	2	0.5	2
3.	Noise Pollution Control	1	0.5	0.5
4.	Landscaping	7	1	7 (for 3 years)
5.	Solid Waste Management (Bins, Compost Pit)	1.5	1	2
6.	Rain water Recharging (10 pits)	18	2	5
7.	Energy Conservation (LED lights, solar panels, etc.)	50	2	5
8.	Miscellaneous (Environmental monitoring, Management of	4	4	4

			Environment Cell, etc.)			
		Total		**85.5**	**11.5**	**25.7**

The Committee was satisfied with the presentation given by the Environmental Consultant of the Project Proponent. Thereafter deliberations were held and 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 the establishment of the Warehouse Project in the total land area of 53,944.59 sqm having a built-up area of 29115.224 Sqm at Village Chamaru, Tehsil Rajpura, District Patiala, (Punjab), subject to the following conditions.

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 31 KLD which shall be met through 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
1.	31 KLD	2.4 KLD	2 KLD	-	Summer: 30 KLD Winter: 10 KLD Monsoon: 3 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, 10 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) 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.

iii) 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.

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

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

vi) 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.

vii) 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.

viii) 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.

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

x) 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 680 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.

iii) 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. The year-wise funds earmarked for environmental protection measures shall be kept in a separate account and will not be diverted for any other purpose. The project proponent shall spend a minimum amount of Rs. 85.5 Lacs towards the capital cost along with Rs. 11.5 Lacs/annum towards recurring cost in the construction phase and Rs 25.7 Lacs/annum towards recurring cost in the operation phases of the project including the environmental monitoring cost under the Environmental Management Plan (EMP) of the proposed project as per the details given in Table below:

	Title	**Construction Phase**	**Operation Phase**

Sr. No.		Capital Cost (in Lakhs)	Recurring Cost (in Lakhs per Annum)	Recurring Cost (in Lakhs per Annum)
1.	Air Pollution Control (tarpaulin sheets/ barricading, water sprinklers, etc.)	2	0.5	0.2
2.	Water Pollution Control (Septic Tank)	2	0.5	2
3.	Noise Pollution Control	1	0.5	0.5
4.	Landscaping	7	1	7 (for 3 years)
5.	Solid Waste Management (Bins, Compost Pit)	1.5	1	2
6.	Rain water Recharging (10 pits)	18	2	5
7.	Energy Conservation (LED lights, solar panels, etc.)	50	2	5
8.	Miscellaneous (Environmental monitoring, Management of Environment Cell, etc.)	4	4	4
Total		**85.5**	**11.5**	**25.7**

XI. Validity

This environmental clearance will be valid for a period of 10 (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 Bio-Medical wastes shall be managed in accordance with the Bio-Medical Waste Management Rules 2016 as amended from time to time.

v) 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.

vi) 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.

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

2.0 Deliberations during the 207th meeting of SEIAA held on 15.06.2022.

The case was considered by SEIAA in its 207th meeting held on 15.06.2022 which was attended by the following:

(i) Sh. Sukhmeet Singh Grewal, Director, M/s Xplent Logistics Park Private Limited.
(ii) Dr. Sandeep Garg, EIA Coordinator, M/s Eco Laboratories Pvt Ltd.
(iii) Mrs. Simranjit Kaur, EIA Coordinator, M/s Eco Laboratories Pvt. Ltd.

The 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.

During discussions, the representative of the promoter company agreed to fully comply with all the conditions proposed by SEAC and also undertake the CER activities of Rs 30 lacs for the development of ponds in the vicinity of the project within 18 months. The revised Environmental Management Plan has been submitted by the project proponent as under:

Sr. No.	Title	Construction Phase		Operation Phase
		Capital Cost (in Lakhs)	**Recurring Cost (in Lakhs per Annum)**	**Recurring Cost (in Lakhs per Annum)**
1.	Air Pollution Control (tarpaulin sheets/ barricading, water sprinklers, etc.)	2	0.5	0.2
2.	Water Pollution Control (Septic Tank)	2	0.5	2
3.	Noise Pollution Control	1	0.5	0.5
4.	Green Area development	7	1	7 (for 3 years)
5.	Solid Waste Management (Bins, Compost Pit)	1.5	1	2
6.	Rain water Recharging (10 pits)	18	2	5
7.	Energy Conservation (LED lights, solar panels, etc.)	50	2	5
8.	Miscellaneous (Environmental monitoring, Management of Environment Cell, etc.)	4	4	4
9.	CER activities*	30	0	0
Total		**115.5**	**11.5**	**25.7**

***Details of CER Activities**

Details of the amount to be spent under CER activities are given as under:

Sr. No.	Activities	Amount (Rs. Lac)	Timeline
1.	Rejuvenation of Village Pond located in the vicinity of the project	Rs.30	18 months
	Total	Rs. 30	

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

After detailed deliberations, SEIAA decided to accept the recommendations of SEAC and grant Environmental Clearance for the establishment of the Warehouse project in the land area of 53,944.59 sqm having a built-up area of 29115.224 sqm located at Village Chamaru, Tehsil Rajpura, District Patiala, Punjab by M/s Xplent Logistics Park Private Limited as per the details mentioned in Form 1, 1A, EMP and subsequent presentation /clarifications made by the project proponent and his consultant with proposed measures and subject to conditions proposed by SEAC and additional conditions as under:

Amended Conditions:

Condition no. iii) of X. of Environmental Management Plan

(iii) Action plan for implementing EMP and environmental conditions along with the responsibility matrix of the company shall be prepared and shall be duly approved by the competent authority. The year-wise funds earmarked for environmental protection measures shall be kept in a separate account and will not be diverted for any other purpose. The project proponent shall spend the minimum amount of Rs. 115.5 Lacs towards the capital cost and Rs. 11.5 Lacs/annum towards recurring cost in the construction and Rs. 25.7 Lacs/annum toward recurring cost in the operation phase of the project under the Environmental Management Plan (EMP) of the proposed project as per the details given in Table below:

Sr. No.	**Title**	**Construction Phase**		**Operation Phase**
		Capital Cost (in Lakhs)	**Recurring Cost (in Lakhs per Annum)**	**Recurring Cost (in Lakhs per Annum)**
1.	Air Pollution Control (tarpaulin sheets/ barricading, water sprinklers, etc.)	2	0.5	0.2
2.	Water Pollution Control (Septic Tank)	2	0.5	2
3.	Noise Pollution Control	1	0.5	0.5

4.	Green Area development through plantation of 680 tall plants of indigenous tree species	7	1	7 (for 3 years)
5.	Solid Waste Management (Bins, Compost Pit)	1.5	1	2
6.	Rain water Recharging (10 pits)	18	2	5
7.	Energy Conservation (LED lights, solar panels, etc.)	50	2	5
8.	Miscellaneous (Environmental monitoring, Management of Environment Cell, etc.)	4	4	4
9.	CER activities*	30	0	0
Total		**115.5**	**11.5**	**25.7**

*Details of CER Activities

Details of the amount to be spent under CER activities are given as under:

Sr. No.	**Activities**	**Amount (Rs. Lac)**	**Timeline**
1.	Rejuvenation of Village Pond located in the vicinity of the project	Rs.30	18 months
	Total	Rs. 30	

The entire cost of the environmental management plan will continue to be borne by the project proponent throughout the life 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 Reports.

Item No. 207.04: Application for issuance of TORs for proposed Steel Manufacturing Unit located at Village Harbanspura, Tehsil Amloh, Mandi Gobindgarh, Distt. Fatehgarh Sahib, Punjab by M/s Stallion Processors Pvt. Ltd. (Proposal No. SIA/PB/IND/75761/2022).

Background and salient features of the project are as under:

The industry has applied for issuance of TORs for setting up of Steel Manufacturing Unit located at Village Harbanspura, Tehsil Amloh, Mandi Gobindgarh, Distt. Fatehgarh Sahib, Punjab. The industry has proposed to install two induction furnaces of capacity 20 TPH each and one rolling mill for the manufacturing of billets/ingots or rolled products of capacity 620 TPD. The project is covered under activity 3(a) & Category 'B1' of the schedule appended with EIA Notification dated 14.09.2006.

After a careful perusal of the KML file, it was observed that an industrial shed had already been constructed at the proposed site. In this regard, Project Proponent informed that the industrial shed has been constructed after obtaining approval from the Director of Factories, Punjab vide letter DOF190722036 dated 03.07.2019. The shed is presently being used for storage & processing of scrap pertaining to which one-time authorization as a trader for import of iron and steel scrap under rule 13 of HWM Rules 2016 has been obtained from PPCB vide letter no. 34263 dated 13.11.2019. Further, no manufacturing process is involved at the site of the proposed project.

The project proponent submitted Form I, the pre-feasibility report, and other additional documents through the online portal. The cost of the project is Rs. 65.49 Cr. The Project Proponent has deposited Rs.1,63,725/- (25% of the total fee i.e., Rs. 6,54,900/-) vide NEFT No. SIBLN22094341089 dated 04.04.2022 as checked & verified by the supporting staff of SEIAA.

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

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

The meeting was attended by the following:

(i) Sh. Gaurav Sharma, General Manager, M/s Stallion Processors Private Limited.
(ii) Mr. Sandeep Garg, EIA Coordinator, M/s Eco Laboratories Pvt Ltd.
(iii) Mrs. Simranjit Kaur, EIA Coordinator, M/s Eco Laboratories Pvt. Ltd.

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

Sr.	Description	Details

<table>
<tr><td>No.</td><td></td><td></td></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 Stallion Processors Pvt. Ltd.,
Sh. Deep Bansal, Subscriber
Sh. Saurav Bansal, Subscriber</td></tr>
<tr><td>1.2</td><td>Proposal:</td><td>SIA/PB/IND/75761/2022</td></tr>
<tr><td>1.3</td><td>Location of Industry:</td><td>Village Harbanspura, Tehsil Amloh, Mandi Gobindgarh, Distt. Fatehgarh Sahib, Punjab</td></tr>
<tr><td>1.4</td><td>Details of Land area</td><td>Breakup of the project area is given below:
<table>
<tr><th>S. No.</th><th>Description</th><th>Total area (sq.m.)</th><th>Area (%)</th></tr>
<tr><td>1.</td><td>Shed covered area</td><td>5,686.12</td><td>28.09</td></tr>
<tr><td>2.</td><td>Green area</td><td>6,679.68</td><td>33.01</td></tr>
<tr><td>3.</td><td>Road area</td><td>5,574.14</td><td>27.54</td></tr>
<tr><td>4.</td><td>Parking area</td><td>1,690.64</td><td>8.35</td></tr>
<tr><td>5.</td><td>Open & utility areas</td><td>603.53</td><td>2.98</td></tr>
<tr><td colspan="2">Total area</td><td>20,234.11 sq.m. (5 acres)</td><td>100%</td></tr>
</table></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>Rs. 65.49 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>Yes, the site of project falls within the Industrial Zone as per Master Plan of 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>Master Plan of Mandi Gobindgarh showing project location in the industrial zone has been submitted with the report. Further, the existing building plan has been approved from Director of Factories, Punjab. A copy of the letter of approval issued by Chief Inspector of Factories, Department of Factories, Punjab along with approved building plan has been submitted.</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</td><td>No forest land is involved in the project. A self-declaration in this regard submitted.</td></tr>
</table>

	Conservation Act 1980 or not:	
3.3	Whether industry required clearance under the provisions of Wildlife Protection Act 1972 or not:	No Wildlife Sanctuary falls within 10 km radius of project location. A self-declaration in this regard submitted.
3.4	Distance of the industry from the Critically Polluted Area.	Nearest Critically Polluted area is Ludhiana located at a distance of approx. 42 km from the project.
3.5	Whether the industry falls within the influence of Eco-Sensitive Zone or not. *(Specify the distance from the nearest Eco sensitive zone)*	No Eco-sensitive Zone falls within 10 km of the project location. Bir-Bhadson Wildlife Sanctuary is located at approx. 15 km from the project location.
3.6	Green area requirement and proposed No. of trees:	Green area of 6,679.68 sq.m. (@ 33.01%) has been proposed within the project. The proposed no. of trees to be planted are 1002.
4.	**Configuration & Population**	
4.1	Proposal & Configuration	The proposed industrial unit will be involved in the manufacturing of Billets/Ingots or Rolled products (Strips/ TMT Bars/ Wire rod) having proposed production capacity 620 TPD with 2 Induction Furnaces of capacity 20 TPH each and one Rolling Mill.
4.2	Population details	Total manpower required will be 400 workers including both technical & non-technical. Out of which, 20 workers will be residing within the project premises.
5	**Water**	
5.1	Total freshwater requirement:	Total water requirement of the project will be 100 KLD; out of which freshwater requirement will be 84.5 KLD. Cooling purpose -27.5 KLD Green area – 37 KLD Domestic Water- 20 KLD
5.2	Source:	Ground water (1 No. borewell)
5.3	Whether Permission obtained for abstraction/supply of the fresh water from	Permission shall be obtained from PWRDA for abstraction of ground water.

<table>
<tr><td></td><td>the Competent Authority (Y/N)
Details thereof</td><td></td></tr>
<tr><td>5.4</td><td>Total water requirement for domestic purpose:</td><td>During operational phase, the domestic water requirement for the project is estimated to be 20 KLD.</td></tr>
<tr><td>5.4.1</td><td>Total wastewater generation:</td><td>16 KLD of domestic wastewater will be generated from the project.</td></tr>
<tr><td>5.4.2</td><td>Treatment methodology for domestic wastewater: (STP capacity, technology & components)</td><td>16 KLD of domestic wastewater will be generated from the project which will be treated in proposed STP of capacity 20 KLD. STP proposed will be installed based on MBBR technology. Treated water will be reused for cooling purpose within the project premises.</td></tr>
<tr><td>5.5</td><td>Total water requirement for industrial purpose:</td><td>Make-up water demand for cooling purpose is estimated to be 43 KLD.</td></tr>
<tr><td>5.5.1</td><td>Total effluent generation:</td><td>No industrial effluent will be generated.</td></tr>
<tr><td>5.5.2</td><td>Treatment methodology for industrial wastewater: (ETP capacity, technology & components)</td><td>Not applicable, as no industrial effluent will be generated.</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 water from STP will be reused for cooling purpose within project premises.
<table>
<tr><th>Sr. No.</th><th>Season</th><th>Flushing purposes (KLD)</th><th>Green area sq.m (KLD)</th><th>Cooling purpose (KLD)</th><th>MC Sewer (KLD)</th></tr>
<tr><td>1.</td><td>Summer</td><td>--</td><td>--</td><td>15.5</td><td>--</td></tr>
<tr><td>2.</td><td>Winter</td><td>--</td><td>--</td><td>15.5</td><td>--</td></tr>
<tr><td>3.</td><td>Monsoon</td><td>--</td><td>--</td><td>15.5</td><td>--</td></tr>
</table></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>Source of air pollution are given below:
<table>
<tr><th>S. No.</th><th>Machinery</th><th>Description</th></tr>
<tr><td>1.</td><td>Induction Furnaces</td><td>2 × 20 TPH</td></tr>
</table></td></tr>
</table>

<table>
<tr><td></td><td></td><td><table><tr><td>2.</td><td>DG sets</td><td>2 × 500 KVA</td></tr></table></td></tr>
<tr><td>6.2</td><td>Measures to be adopted to contain particulate emission/Air Pollution</td><td>The details of the sources of pollution and its mitigation measures are given below:<table><tr><th>S. No.</th><th>Capacity</th><th>Chimney Height</th><th>APCD</th></tr><tr><td>1</td><td>2 × 20 TPH</td><td>30 m each</td><td>Side Suction Hood followed by Pulse Jet Bag Filter of capacity 1,10,000 CMH on each IF</td></tr><tr><td>2</td><td>2 × 500 KVA</td><td>5 m</td><td>Canopy</td></tr></table></td></tr>
<tr><td>7</td><td>Waste Management</td><td></td></tr>
<tr><td>7.1</td><td>Slag generation & its management</td><td>Approximately 19.5 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.</td></tr>
<tr><td>7.2</td><td>APCD dust generation & its management</td><td>1.6 TPD of APCD dust will be generated which will be given to M/s Madhav KRG Ltd.</td></tr>
<tr><td>7.3</td><td>Solid waste generation & its management (Mechanical Composter/Compost pits)</td><td>Approx. 84 kg/day of domestic solid waste which will be managed as per SWM Rules, 2016. Out of this, approx. 38 kg/day will be the bio-degradable waste which will be disposed by providing compost pits within project premises.</td></tr>
<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>Sr. No.</th><th>Description</th><th>Quantity</th></tr><tr><td>1.</td><td>Cat 35.1 Qty (APCD dust)</td><td>1.6 TPD</td></tr><tr><td>2.</td><td>Cat 5.1 Qty (Spent Oil)</td><td>0.8 KLA</td></tr></table>APCD dust will be given to M/s Madhav KRG Ltd. and used oil will be given to authorized vendor.</td></tr>
<tr><td>8</td><td>Energy Saving & EMP</td><td></td></tr>
<tr><td>8.1</td><td>Power Consumption:</td><td>Power load: 22,000 KW</td></tr>
<tr><td>8.2</td><td>Energy saving measures:</td><td>Energy Saving measures to be adopted:
a) LEDs will be provided in place of CFL.
b) Energy Efficient Induction Furnaces and other machinery will be installed.</td></tr>
</table>

<table>
<tr><td>8.3</td><td>Details of activities proposed under Environment Management Plan:</td><td>Rs. 196.5 lakhs will be spent on Environment Management Plan as capital cost and Rs. 39 lakhs will be recurring charges. Breakup of the Environment Management Plan is given below:
<table>
<tr><th>Sr. no.</th><th>Environmental Protection Measuring</th><th>Capital Cost (Rs. in lakhs)</th><th>Recurring Cost (Rs. in lakhs/year)</th></tr>
<tr><td>1.</td><td>Air Pollution Control (Installation of
separate APCD for both IF’s & OCMS)</td><td>130</td><td>5</td></tr>
<tr><td>2.</td><td>Noise Pollution Control (Including
provision of acoustic enclosure for
DG sets)</td><td>5</td><td>5</td></tr>
<tr><td>3.</td><td>Green belt development (Plantation
of tress and maintenance)</td><td>10</td><td>10 (for 3 years)</td></tr>
<tr><td>4.</td><td>Solid Waste Management (disposal
of waste)</td><td>1</td><td>3</td></tr>
<tr><td>5.</td><td>Water Pollution Control (Installation
of STP of capacity 20 KLD)</td><td>20</td><td>5</td></tr>
<tr><td>6.</td><td>Environment Monitoring & Management</td><td>3</td><td>5</td></tr>
<tr><td>7.</td><td>Health, Safety & Risk Assessment</td><td>1.5</td><td>5</td></tr>
<tr><td>8.</td><td>Rain water recharging outside of project premises</td><td>25</td><td>-</td></tr>
<tr><td>9.</td><td>Miscellaneous</td><td>1</td><td>1</td></tr>
<tr><td colspan="2">Total</td><td>Rs. 196.5 lakhs</td><td>Rs. 39 lakhs</td></tr>
</table></td></tr>
</table>

After detailed deliberations, SEAC decided to categorize the project under Activity 3(a); B-1 with public consultation as required for the project. The Committee approved the Terms of Reference for setting up of Steel Manufacturing Unit located at Village Harbanspura, Tehsil Amloh, Mandi

Gobindgarh, Distt. Fatehgarh Sahib, Punjab for preparing Environmental Impact Assessment (EIA) report for the proposed project and recommended to SEIAA to issue the following TORs:

STANDARD TERMS OF REFERENCE

I) Executive Summary

Report in about 8-10 pages incorporating the following:

i) Introduction of the Project and Promoter Company.

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

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

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

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

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

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

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

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

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

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

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

xiii) CSR/CER plan with proposed expenditure.

xiv) Occupational Health Measures

xv) Post Project monitoring plan

xvi) Synopsis of the project (Available on https://decc.punjab.gov.in/)

II) Introduction

i) Details of the EIA Consultant including NABET accreditation

ii) Information about the project proponent

iii) Importance and benefits of the project

III) <u>Project Description</u>

i) Cost of project and time of completion.

ii) Products with capacities for the proposed project.

iii) If expansion project, details of existing products with capacities and whether adequate land is available for expansion, reference of earlier EC if any.

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

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

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

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

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

ix) Hazard identification and details of proposed safety systems.

x) In case of Expansion/modernization proposals:

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

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

IV) <u>Site Details</u>

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

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

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

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

v) Google map-Earth downloaded of the project site

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

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

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

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

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

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

xii) Details of Drainage of the project up to 5km radius of study area. If the site is within 1 km radius of any major river, peak and lean season river discharge as well as flood occurrence frequency based on peak rainfall data of the past 30 years. Details of Flood Level of the project site and maximum Flood Level of the river shall also be provided. (mega green field projects)

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

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

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

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

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

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

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

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

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

vii) In case, no diversion of Forest land, Eco Sensitive area/ National park/Wild Life Sanctuary within 10 Km then the project proponent will submit the NOC from the concerned territorial / wildlife DFO's that no Forest/PLPA/Wildlife areas are involved, at the time of submission of EIA report

VI) <u>Environmental Status</u>

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

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

iii) Raw data of all AAQ measurement for 12 weeks of all stations as per frequency given in the NAQQM Notification of Nov. 2009 along with - min., max., average and 98% values for each of the AAQ parameters from data of all AAQ stations should be provided as an annexure to the EIA Report.

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

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

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

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

viii) Soil Characteristic as per CPCB guidelines.

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

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

xi) Socio-economic status of the study area.

xii) Baseline data should not be older than 3 years.

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

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

ii) Water Quality modelling.

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

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

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

vi) Measures for fugitive emission control

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

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

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

x) Action plan for rainwater harvesting measures at alternative sites shall be submitted to harvest rainwater from the roof tops and storm water drains to recharge the groundwater

and also to use for the various activities to conserve freshwater and reduce the water requirement from other sources.

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

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

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

VIII) Occupational health

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

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

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

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

IX) Corporate Environment Policy

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

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

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

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

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

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

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

ii) 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.

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

XI) <u>STANDARDISED SPECIFIC TERMS OF REFERENCE FOR EIA STUDIES FOR INDUCTION/ ARC FURNACES/CUPOLA FURNACES 5TPH OR MORE</u>

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

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

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

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

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

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

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

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

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

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

XII) ADDITIONAL SPECIFIC TORS DECIDED DURING MEETING OF SEAC AND SEIAA

i) Public consultation is required for the project as it is not located in a notified industrial park/estate.

ii) The project proponent shall submit complete proposal for the management of ash at the time of submission of EIA report for obtaining environmental clearance

iii) Submit proof of ownership of land (existing owner) such as copy of latest Jamabandi (not more than one month old) and credible document showing status of land acquisition w.r.t. project site (as prescribed in OM dated 07.10.2014 issued by MoEF)

iv) Submit dully filled prescribed field data sheets and analysis reports along with exact location of sampling / monitoring point marked on the layout map. Also submit the status of approvals of Laboratories.

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

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

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

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

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

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

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

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

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

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

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

xiii) In case of any acid pickling activity, the spent acid/effluents generated from such activities shall be utilized through authorized re-processors for converting the same into useful by-products like $FeSO_4$ etc. An agreement to this effect shall be made with the authorized agencies.

xiv) Adequate area to be reserved and marked on the layout plan for the green belt as per the conditions laid down by the MoEF&CC as per the Standard EC Conditions prescribed for Induction/ Electric Arc Furnace & Rolling Mills circulated vide OM dated 09/08/2018.

xv) Detailed study report along with calculation for reserving land for loading or unloading of raw material, products, slag, hazardous waste as well as for storage of these materials and the area to be reserved for parking incorporating the time required for loading and unloading of vehicles for respective activities and minimum/maximum period for which storage of the above material is required in the premises. The areas for the respective activities to be marked on the layout plan.

xvi) Action plan for the compliance of standard operating procedures and up-gradation of suction and treatment arrangement for the secondary emissions as prescribed by the State Pollution Control Board or by CPCB/MoEF&CC.

xvii) Compliance of standard operating procedures and up-gradation of suction/treatment systems for the control of secondary emissions within the time frame prescribed by the State Pollution Control Board. Similar action is to be implemented in the proposed expansion project.

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

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

xx) Adopt green technologies to conserve the water and energy including shearing/cutting / bundling machines. Also, to provide abrasive resistant fire bricks in the crucibles to reduce the periodic maintenance & disposal of discarded fire bricks.

xxi) Use of natural gas (if available) as substitute fuel wherever possible in the existing industry/ for the expansion project.

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

xxiii) Examine and submit the proposal for: -

a) Recovery of iron from slag before disposing of it.

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

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

xxiv) Air Pollution Control Arrangement details shall be provided as below:

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

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

xxvi) List the species with heavy foliage, broad leaves and wide canopy cover. The landscape planning should include plantation of native species. Water intensive and/or invasive species should not be used for landscaping.

xxvii) The project proponent shall collect the baseline data for three months (except monsoon season) as per MOEF&CC office memorandum dated 29.08.2017. For this, monitoring data of M/s Devbhoomi Casting Pvt. Ltd. falls within the buffer zone of the project collected during the period from 1st October 2021 to 31st December, 2021 may be utilized. Besides this, one-month additional study shall be undertaken at the project site from 15th January 2022 to 15th February, 2022.

XIII) <u>General Guidelines:</u>

(i) The EIA document shall be printed on both sides.

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

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

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

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

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

2.0 Deliberations during the 207th meeting of SEIAA held on 15.06.2022.

The case was considered by SEIAA in its 207th meeting held on 15.06.2022 which was attended by Dr. Sandeep Garg and Mrs. Simranjit Kaur EIA Coordinator, M/s Eco laboratories Pvt Ltd. but no representatives on behalf of the project proponent have attended the meeting.

The environmental Consultant of the promoter company requested that the case may be considered in the absence of the project proponent being a case for grant of Terms of Reference. The request of the project proponent was not acceded to by SEIAA.

After deliberations, SEIAA decided to defer the case and the project proponent be asked to attend the next meeting of SEIAA.

Item No 207.05: Application for obtaining Environmental Clearance under EIA notification dated 14.09.2006 for the Hospital Project namely "Multi Speciality Hospital" located at Sector 89, SAS Nagar, Punjab, by M/s Metaphysical Healthcare Pvt. Ltd. (Proposal No. SIA/PB/MIS/262614/2022).

Background and salient features of the project are as under:

The project proponent has applied for obtaining Environmental Clearance under EIA Notification,2006 for the establishment of a Hospital Project namely "Multi Speciality Hospital" located at Sector 89, SAS Nagar, Punjab. The total land area of the project is 7486.62 sqm with a proposed built-up area of 25578.84 sqm. The project is covered under activity 8 (a) and category B2 of the schedule appended with the EIA notification dated 14.09.2006.

The project proponent has submitted Form 1,1A, conceptual layout plan, and other additional documents along with the processing fee as per Govt. of Punjab notification dated 27.06.2019, amounting to Rs. 51,158/- through RTGS with reference no. N076221878069073 dated 17.03.2022, as verified by supporting staff SEIAA.

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

PPCB was requested to send the latest construction status report of the project through e-mail on 28.03.2022. Punjab Pollution Control Board vide letter no. 2838 dated 12.05.2022 has sent the latest construction status report with details as under:

"The site was visited by an officer of the Board on 11/04/2022 and it was observed as under:

1. *No demarcation of the site has been done and no work has been done and no work has been started at the site. The site is located in a residential area as per the Master Plan of SAS Nagar and in the residential zone, social infrastructure such as educational institutions, health, religious, community and public facilities as per town planning norms can also be established as Per Master Plan report. Work of construction to temple adjoining to the proposed site was under process.*
2. *As per the boundary limits site shown by the project proponent during the visit, there is no MAG industry/ cement plant/ grinding unit/ rice sheller/ saila plan/ stone crushing/ screening cum washing unit/ hot mix plant/brick kiln within a radius of 500 m from the boundary of the proposed site of the project. No air polluting industries is located within a radius of 500 m from the boundary of the proposed site. No specific siting guidelines have been prescribed for setting up of the hospital. As per categorization of Board, Health-care Establishment (as defined in BMW Rules) having incinerator irrespective of waste under Red category. Sector-89 is outside MC limits. The residential area is located at a distance of approximately 100 m from the proposed site. No natural drain passes through the site.*

3. *GMADA has laid storm water drain and sewer in Sector-89 Mohali.*

It is pertinent to mention here that the proposed site is outside the jurisdiction of M.C Mohali. But HCF has submitted a proposal that treated wastewater of about 84 KLD shall be discharged into MC sewer. Furthermore, the STP installed by MC/ GMADA authorities is yet to be made. Further, the HCF has not submitted any alternate scheme for the disposal of treated wastewater.

The project proponent is bound to install a treatment facility for the treatment of wastewater generated from the hospital so as to achieve the prescribed standards as per Bio-Medical Waste Management Rules, 2016."

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

The meeting was attended by the following:
(i) Suksham Jain, Chief Executive Engineer, M/s Metaphysical Healthcare Private Limited.
(ii) Deepak Gupta, Environmental Advisor.
(iii) 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.	Name & Location of the project	"Multi Speciality Hospital" located at Sector 89, SAS Nagar, Punjab
2.	Project/activity covered under item of scheduled to the EIA Notification,14.09.2006	The project falls under 8(a) - 'Building & Construction Project' as the built-up area of the project is 25,578.84 sq.m.
3.	Proof of ownership of land mentioning Khasra no. & ownership details (Latest Jamabandi or Registry)	Land was allotted to the Project Proponent by GMADA vide Endst. No. E.O/E-Auctions/GMADA/77675 dated 26.07.2021 for total land area of 7486.62 sqm.
4.	Whether the proposal involves approval/clearance under the Forest (Conservation)Act,1980	A self-declaration to the effect that the project does not required clearance under Forest Conservation Act 1980 submitted.
5.	If the project falls within 10 km of eco-sensitive area/ National park/Wild Life Sanctuary. If yes, a. Name of eco-sensitive area/ National park/Wild Life Sanctuary and distance from the project site. b. Status of clearance from the National Board for Wild Life (NBWL)	A self-declaration to the effect that the project neither falls in the Eco Sensitive Zone nor clearance required under Wildlife Protection Act 1972 submitted.

6.	Classification/Land use pattern as per Master Plan	The site of the project falls within the Residential Zone as per Master Plan of SAS Nagar as per the location shown by the project proponent in the Master Plan.
7.	Cost of the project	Total estimated project cost on land, building & plant & machinery is Rs. 50 crores.
8.	Detail of various components	

S.no.	Description	Particulars	unit
1.	Plot Area (1.85 acres)	7486.62	Sq.m.
2.	Proposed Built-up Area	25,578.84	Sq.m.
3.	Max. No of Floors	2B+G+4F+Mumty	-
4.	Expected Population	2,330	Persons
5.	Total Water Requirement	151	KLD
6.	Freshwater requirement	98	KLD
7.	Wastewater Generation	121	KLD
8.	Proposed ETP Capacity	50	KLD
9.	Proposed STP Capacity (MBBR)	150	KLD
10.	Treated Water Available for Reuse	112	KLD
11.	Flushing water requirement	53	KLD
12.	Maximum treated water to be discharged into sewer	39	KLD
13.	Maximum treated water to be utilized in the green area of 387 sqm	2	KLD
14.	Proposed Green Area	387	Sq.m.
15.	Municipal Solid Waste Generation	612	kg/day

9. **Details of water requirement and flushing water requirement as per the components mentioned in description:**

Sr. No.	Description	No. of persons	Criteria for total water requirement	Total water requirement (in KLD)	Criteria for flushing water requirement	Flushing water requirement (in KLD)
1.	Patients	230	450 lpcd	104	150 lpcd	35
2.	Staff (Doctors, Nurses/Ward Boys, Administrative staff, Housekeeping, Security, etc.)	500	45 lpcd	23	20 lpcd	10

	3.	Visitors	1600	15 lpcd	24	5 lpcd	8
	Total				151 KLD		53

10. **Details of Waste Water generation, treatment and disposal during Operation Phase (Summer, Rainy, Winter):**

Wastewater Generated (@ 80% of water demand i.e. 80% of 140 KLD)		121 KLD
Proposed STP Capacity		150 KLD
Proposed ETP Capacity		50 KLD
Green area water req.	387 sq.m	
Summer (@ 5.5 lt./m^2/day)		2 KLD
Winter (@ 1.8 lt./m^2/day)		1 KLD
Monsoon (@ 0.5 lt./m^2/day)		--

11. Details of acknowledgement of application filed to CGWA /Competent Authority for obtaining permission for abstraction of ground water

As per the allotment letter granted to Project Proponent vide Endst. No. E.O/E-Auctions/GMADA/77675 dated 26.07.2021, the allottee will be provided separate connection for fresh water for drinking and potable use and tertiary treated water for flushing and gardening purpose. Moreover, the allotee will have dual plumbing system along with separate storages for both types of water in its building.

12. Details of Wastewater generation, Treatment facility & its Disposal arrangements in Operation Phase and if waste water being disposed in MC sewer then also mention the details of NOC from competent authority

The entire quantity of 112 KLD of wastewater shall be treated in the STP of capacity 150 KLD and ETP of capacity 50 KLD to be installed within project premises.

The details of the breakup of the utilization of wastewater is as under: -

Season	Flushing (KLD)	Green area (KLD)	Excess Disposal into sewer (KLD)
Summer	26	2	84
Winter	26	1	85
Monsoon	26	--	86

13. Details of Rainwater recharging/Harvesting (m^3/hr) proposal & technology proposed to be adopted

2 No. Recharging Pits proposed for the hospital project.

14.	Details of Solid waste generation (Qty), treatment facility and its disposal arrangement	1. During Operation Phase, about **612 kg/day** (@ 0.4 kg/bed/day for 730 persons and @ 0.2 kg/capita/day for 1600 persons) of solid waste will be generated. 2. The solid waste shall be duly segregated into biodegradable and non-biodegradable components. Biodegradable waste will be composted by use of 1 Mechanical Composter of capacity 30 kg/day.
15.	Details of Biomedical Waste,Hazardous Waste & E- Waste generation (Qty), Treatment facility and its disposal arrangement	1. During operation, about 460 kg/day (@2kg/bed for 230 beds) biomedical waste will be generated which will be disposed through approved recycler. 2. 50-100 Ltr/annum Used oil from DG set will be generated which will be sold to authorized vendor. 3. E-waste generated from the project will be handled as per E-Waste (Management) Rules, 2016 & its amendments.
16.	Detail of DG sets	1. Proposed power demand of the hospital is 2900 KW which will be provided by Punjab State Power Corporation Limited (State Grid). 2. 2x500 KVA, 1x1010 KVA & 2x125 KVA DG sets will be installed.
17.	Air pollution control device details	DG set with adequate stack height shall be provided.
18.	Energy Requirements & Saving	• 20 No. Solar Light = 30 KWHD • 800 LED lights for common area = 432 KWHD • Total Energy saved (30+432) = 462 KWHD

19. Details of Environmental Management Plan

(During Construction Phase)

S.No.	Title	Capital Cost (in Lakhs)	Recurring Cost (in Lakhs)
1.	Medical Cum First Aid	0.50	1.0
2.	Toilets for sanitation system	2.0	1.0
3.	Wind breaking curtains	10.0	2.0
4.	Sprinklers for suppression of dust	3.0	1.5
5.	ETP cum Sewage Treatment Plant	75.0	--
6.	Solid Waste segregation & disposal	8.0	--
7.	Green Belt including grass coverage	5.0	--

	8.	RWHP (2 Pits)	2.0	--
	9.	Ambient Air Monitoring (Every Month)	--	3.0
	10.	Drinking water (Every Month)	--	2.4
	11.	Noise Level Monitoring (Every Month)	--	0.5
	Total		**105.5**	**11.4**

(During Operation Phase)

Sr. No.	Title	Recurring Cost (in Lakhs)
1.	ETP cum STP	8.0
2.	Biomedical waste & Solid Waste segregation & disposal	5.0
3.	Green Belt including grass coverage	8.0
4.	RWHP	1.0
5.	Biomedical waste segregation & disposal	8.0
6.	Ambient Air Monitoring (Every Three Months)	3.0
7.	Noise Level Monitoring (Every Three Months)	0.5
8.	Treated Effluent Monitoring (Every Months)	1.0
9.	Drinking water (Every Months)	2.40
Total		**36.9**

20.	Details of green belt development shall include following: a) No. of tree to be planted against the requisite norms. b) Percentage of the area to be developed.	a) Trees required = @ 1 tree per 80 sq.m. of plot area = 7486.62 / 80 = 94 trees. (Proposed 125 trees) b) Total green area measures 387sq.m. (5% of plot area) within the project.

During the meeting, the Committee asked the Project Proponent to submit the proposal for the installation of solar panels at the roof top to conserve energy. The Project Proponent apprised the Committee that the total roof top area shall be 2476 sqm and 30% of the said area will be equipped with solar panels thereby generating 74 KW of solar power. The Project Proponent submitted an undertaking in this regard. The Committee noted the same and took a copy of the undertaking on record.

The Committee thereafter asked the Project Proponent to submit the details of the land area earmarked for carrying out solid waste management and hazardous waste management. In this regard, the Project Proponent submitted a copy of the undertaking wherein it has been mentioned that he shall provide an area of 300 Sqft & 200 Sqft for solid waste management and hazardous waste management respectively.

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 the establishment of a Hospital namely "Multi Speciality Hospital" in land area of 7486.62 sqm having a built-up area of 25578.84 sqm at Sector 89, SAS Nagar, Punjab**,** subject to the following conditions.

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 151 KLD, out of which 98 KLD shall be met through GMADA. Total freshwater use shall not exceed the proposed requirement as provided in the project details and other relevant details as under:

Season	**Flushing**	**Green area (KLD)**	**Excess Disposal into sewer**

	(KLD)		**(KLD)**
Summer	26	2	84
Winter	26	1	85
Monsoon	26	--	86

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

e) During 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, 2 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) 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.

iii) 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.

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

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

vi) 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.

vii) 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.

viii) 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.

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

x) 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 125 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.

iii) 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. The year-wise funds earmarked for environmental protection measures shall be kept in a separate account and will not be diverted for any other purpose. The project proponent shall spend a minimum amount of Rs. 105.5 Lacs towards the capital cost along with Rs. 11.4 Lacs/annum towards recurring cost in the construction phase and Rs 36.9 Lacs/annum towards recurring cost in the operation phases of the project including the environmental monitoring cost under the Environmental Management Plan (EMP) of the proposed project as per the details given in Table below:

(During Construction Phase)

S.No.	Title	Capital Cost (in Lakhs)	Recurring Cost (in Lakhs)
1.	Medical Cum First Aid	0.50	1.0
2.	Toilets for sanitation system	2.0	1.0
3.	Wind breaking curtains	10.0	2.0
4.	Sprinklers for suppression of dust	3.0	1.5
5.	ETP cum Sewage Treatment Plant	75.0	--
6.	Solid Waste segregation & disposal	8.0	--
7.	Green Belt including grass coverage	5.0	--
8.	RWHP (2 Pits)	2.0	--

9.	Ambient Air Monitoring (Every Month)	--	3.0
10.	Drinking water (Every Month)	--	2.4
11.	Noise Level Monitoring (Every Month)	--	0.5
Total		**105.5**	**11.4**

(During Operation Phase)

S.No.	Title	Recurring Cost (in Lakhs)
1.	ETP cum STP	8.0
2.	Biomedical waste & Solid Waste segregation & disposal	5.0
3.	Green Belt including grass coverage	8.0
4.	RWHP	1.0
5.	Biomedical waste segregation & disposal	8.0
6.	Ambient Air Monitoring (Every Three Months)	3.0
7.	Noise Level Monitoring (Every Three Months)	0.5
8.	Treated Effluent Monitoring (Every Months)	1.0
9.	Drinking water (Every Months)	2.40
Total		**36.9**

XI. Validity

This environmental clearance will be valid for a period of 10 (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 Bio-Medical wastes shall be managed in accordance with the Bio-Medical Waste Management Rules 2016 as amended from time to time.

v) 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.

vi) 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.

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

2.0 Deliberations during the 207th meeting of SEIAA held on 15.06.2022.

The case was considered by SEIAA in its 207th meeting held on 15.06.2022 which was attended by the following:

(i) Sh. Saksham Jain, Chief Executive Engineer, M/s Metaphysical Healthcare Private Limited.
(ii) Mr. Sital Singh, Environmental Advisor, and Mr. Sandeep Singh from CPTL.
(iii) Sh. Sandeep Singh, Consultant, M/s. Chandigarh Pollution Testing Laboratory.

SEIAA perused the visit report sent by Punjab Pollution Control Board vide letter no. 2838 dated 04.02.2022 which states that the proposed site is outside the jurisdiction of M.C., Mohali but, HCF has submitted a proposal that treated wastewater of about 84 KLD shall be discharged into

MC sewer. Furthermore, the STP installed by MC/GMADA authorities is not adequate to cater to the quantity of additional effluent for this project and the proposed up-gradation of existing STP installed by GMADA authorities is yet to be made. Moreover, the HCF has not submitted any alternate scheme for the disposal of treated wastewater.

In this regard, to a query by SEIAA, the project proponent informed that they had been allotted the plot having an area of 7486.62 sqm (1.85 acres) from GMADA vide memo no 77675 dated 26.07.2021. Their project will take about 4-5 years to complete. In case GMADA failed to upgrade the existing STP by the completion of the project, no occupancy shall be allowed by them. SEIAA was not fully satisfied with the reply of the project proponent. However, considering the recommendation of SEAC and the fact that the allotment of the plot has been made by the GMADA, SEIAA decided to consider the case with the following additional conditions:

(i) The project proponent shall not allow occupancy in the project till GMADA upgrades its existing STP to cater to the entire quantity of effluent to be generated from the project.

(ii) GMADA shall not provide the sewer connection to the project or issue the occupancy certificate till the capacity of the existing STP has not been upgraded to cater to the entire quantity of effluent to be generated from the project.

The project proponent agreed to the aforesaid conditions.

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

During discussions, the representative of the promoter company agreed to fully comply with all the conditions proposed by SEAC and also undertake additional CER activities of Rs 30 lacs (0.6% of Project Cost) under the Environmental Management Plan during the operation phase for which the revised Management Plan will be as under:

(During Operation Phase)

Sr. No.	Title	Recurring Cost (in Lakhs)
1.	ETP cum STP	8.0
2.	Biomedical waste & Solid Waste segregation & disposal	5.0
3.	Green Belt plantation of 1100 indigenous tall plants	8.0
4.	RWHP	1.0
5.	Biomedical waste segregation & disposal	8.0
6.	Ambient Air Monitoring (Every Three Months)	3.0
7.	Noise Level Monitoring (Every Three Months)	0.5

8.	Treated Effluent Monitoring (Every Months)	1.0
9.	Drinking water (Every Months)	2.40
10.	CER activities Rejuvenation of village pond at Sohana	30.00
Total		**66.9**

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

After detailed deliberations, SEIAA decided to accept the recommendations of SEAC and grant Environmental Clearance for the establishment of the Hospital namely "Multi Speciality Hospital" in a land area of 7486.62 sqm having a built-up area of 25578.84 sqm at Sector 89, SAS Nagar, Punjab, as per the details mentioned in Form 1, 1A, EMP and subsequent presentation /clarifications made by the project proponent and his consultant with proposed measures and subject to conditions proposed by SEAC and amended/additional conditions as under:

Amended Conditions (iii) of 'X' of Environmental Management Plan

iii) 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. The year-wise funds earmarked for environmental protection measures shall be kept in a separate account and will not be diverted for any other purpose. The project proponent shall spend a minimum amount of Rs. 107.1 Lacs towards the capital cost along with Rs. 15.8 Lacs/annum towards recurring cost in the construction phase and Rs 66.9 Lacs/annum towards recurring cost in the operation phases of the project including the environmental monitoring cost under the Environmental Management Plan (EMP) of the proposed project as per the details given in Table below:

(During Construction Phase)

Sr. No.	Title	Capital Cost (in Lakhs)	Recurring Cost (in Lakhs)
1.	Medical Cum First Aid	0.50	1.0
2.	Toilets for sanitation system	2.0	1.0
3.	Wind breaking curtains	10.0	2.0
4.	Sprinklers for suppression of dust	3.0	1.5
5.	ETP cum Sewage Treatment Plant	75.0	--

6.	Solid Waste segregation & disposal	8.0	--
7.	Green Belt plantation of 1100 indigenous tall plants	6.6	4.4
8.	RWHP (2 Pits)	2.0	--
9.	Ambient Air Monitoring (Every Month)	--	3.0
10.	Drinking water (Every Month)	--	2.4
11.	Noise Level Monitoring (Every Month)	--	0.5
Total		**107.1**	**15.8**

(During Operation Phase)

Sr. No.	Title	Recurring Cost (in Lakhs)
1.	ETP cum STP	8.0
2.	Biomedical waste & Solid Waste segregation & disposal	5.0
3.	Green Belt plantation of 1100 indigenous tall plants	8.0
4.	RWHP	1.0
5.	Biomedical waste segregation & disposal	8.0
6.	Ambient Air Monitoring (Every Three Months)	3.0
7.	Noise Level Monitoring (Every Three Months)	0.5
8.	Treated Effluent Monitoring (Every Months)	1.0
9.	Drinking water (Every Months)	2.40
10.	CER activities Rejuvenation of village pond at Sohana	30.00
Total		**66.9**

The entire cost of the environmental management plan will continue to be borne by the project proponent throughout 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 Reports.

Additional Conditions:

(i) The project proponent shall not allow occupancy in the project till GMADA upgrades its existing STP to cater to the entire quantity of effluent to be generated from the project.

(ii) GMADA shall not provide the sewer connection to the project or issue occupancy certificate till the capacity of the existing STP has not been upgraded to cater to the entire quantity of effluent to be generated from the project.

Item no. 207.06: Application for issuance of Terms of Reference under EIA notification dated 14.09.2006 for the establishment of residential Project namely "AGI Smart Homes-II" at Village Pholriwal, Tehsil & District Jalandhar, (Punjab) by AGI Infrastructure Limited, (Proposal No. SIA/PB/MIS/76227/2022).

Background and salient features of the project are as under:

The project proponent has submitted an application for issuance of Terms of Reference under EIA notification dated 14.09.2006 for the establishment of a residential Project namely "AGI Smart Homes-II" at Village Pholriwal, Tehsil & District Jalandhar, Punjab. The total land area of the project is 39125.46 sqm having a built-up area of 1,71867.63 Sqm. The Project is covered under Activity 8(b) & Category 'B1' as per EIA notification-2006.

The project proponent submitted Form I, 1A, and other additional documents along with the approved layout plan. The Project Proponent has deposited a processing fee amounting to Rs. 42,967/- (25%) vide UTR No. PUNBH22116451969 dated 26.04.2022. The adequacy of the fee deposited by the Project Proponent has been checked and verified by supporting staff SEIAA. The total cost of the project is Rs. 196.25 Crore.

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

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

The meeting was attended by the following:
(i) Sh. Deepak Gupta, Environmental Advisor.
(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:	Residential Project "**AGI Smart Homes-II**" by M/s AGI Infra Private Limited
1.2	Proposal:	SIA/PB/MIS/76227/2022
1.3	Location of Industry:	Village- Phollriwal, Tehsil & District- Jalandhar, Punjab
1.4	Details of Land area & Built-up area:	Total Plot area – 39,125.46 sqm Built-up area- 1,71,867.63 sqm

1.5	Category under EIA notification dated 14.09.2006	8 (b)
1.6	Cost of the project	Rs. 196.25 Crores
1.7	Compliance of Public Hearing Proceedings	NA
2.	**Site Suitability Characteristics**	
2.1	Whether site of the industry is suitable as per the provisions of Master Plan:	N/A
2.2	Whether supporting document submitted in favour of statement at 2.1, details thereof: (CLU/building plan approval status)	Permission for Change of Land use for the total land area of 9.6646 acres at Village Pholriwal, Tehsil & District Jalandhar obtained vide letter no.- CA-JDA-CLU-2022/986 dated 03.03.2022 from Chief Engineer, Jalandhar Development Authority, Jalandhar.
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. A self-declaration in this regard submitted.
3.2	Whether the industry required clearance under the provisions of Punjab Land Preservation Act (PLPA) 1900:	No, the industry does not require the clearance under the provisions of Punjab Land Preservation Act (PLPA) 1900. Undertaking for the same submitted.
3.3	Whether industry required clearance under the provisions of Wildlife Protection Act 1972 or not:	No wildlife sanctuary is involved in the vicinity or study area of the project site. Thus, the industry does not require clearance under the provisions of Wildlife Protection Act 1972. A self-declaration in this regard submitted.
3.4	Distance of the industry from the Critically Polluted Area.	Not applicable
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:	Green area: 10293 sqm, as per the approved layout plan Proposed number of trees- 500

<table>
<tr><td>4.</td><td colspan="2">Configuration & Population</td></tr>
<tr><td>4.1</td><td colspan="2">Proposal & Configuration

<table>
<tr><th>Sr. No.</th><th>Particulars</th><th>Area (m2)</th></tr>
<tr><td>1</td><td>Scheme Area</td><td>9.6646 acres</td></tr>
<tr><td rowspan="4">2</td><td colspan="2">FAR Area</td></tr>
<tr><td>No. of Flats 782 (2BHK-598, 1BHK- 184)</td><td>69325.23</td></tr>
<tr><td>No. of Flats 368 (3BHK)</td><td>42136.18</td></tr>
<tr><td>Community Centre</td><td>2222.06</td></tr>
<tr><td rowspan="3">3</td><td colspan="2">Non-FAR Area</td></tr>
<tr><td>Basement Area</td><td>32926.22</td></tr>
<tr><td>Balconies/Terrace Area</td><td>25257.94</td></tr>
<tr><td colspan="2">Total</td><td>1,71,867.63 m2</td></tr>
</table></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- 533 KLD
Domestic Fresh water demand- 421KLD</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 – 533 KLD</td></tr>
<tr><td>5.4.1</td><td>Total wastewater generation:</td><td>Effluent Generation-426 KLD</td></tr>
<tr><td>5.4.2</td><td>Treatment methodology for domestic wastewater:
(STP capacity, technology & components)</td><td>Treatment for domestic wastewater- STP of 450 KLD and used for plantation</td></tr>
<tr><td>5.5</td><td>Total water requirement for industrial purpose:</td><td>NA</td></tr>
<tr><td>5.5.1</td><td>Total effluent generation:</td><td>NA</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 project premises</td></tr>
</table>

<table>
<tr><td>5.7</td><td>Utilization/Disposal of excess treated wastewater.</td><td>Treated waste water from STP will be used for plantation within the project premises</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 Fresh water</th><th>Total wastewater generated</th></tr><tr><td>1.</td><td>533 KLD</td><td>421KLD</td><td>426 KLD</td></tr></table></td></tr>
<tr><td>5.9</td><td>Rain water harvesting proposal:</td><td>8 No. pits to be provided.</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>No other Air Polluting machinery except D.G. set shall be installed.</td></tr>
<tr><td>6.2</td><td>Measures to be adopted to contain particulate emission/Air Pollution</td><td>Canopy equipped DG set with adequate height will be installed.</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>2588 kg/day</td></tr>
<tr><td>7.2</td><td>Details of management and disposal of solid waste (Mechanical Composter/Compost pits)</td><td>The collection system provided for the collection of domestic waste further the local vendors will be hired to provide separate colored bins for dry recyclable and bio-degradable waste.

Biodegradable waste will be treated through vermi composting and will be used and manure. Further, the no bio-degradable waste will be segregated and stored in an isolated place.</td></tr>
</table>

After deliberations, SEAC decided to forward the application of the project proponent to SEIAA with the recommendation to grant Terms of Reference (ToR) for the establishment of a residential Project namely “AGI Smart Homes-II” in the land area of 39125.46 sqm having a built-up area of 1,71867.63 Sqm**,** at Village Pholriwal, Tehsil & District Jalandhar, Punjab, subject to the following conditions.

Standard TOR

1. Examine details of land use as per Master Plan and land use around 10 km radius of the project site. Analysis should be made based on latest satellite imagery for land use with raw images. Check on flood plain of any river.
2. Submit details of environmentally sensitive places, land acquisition status, rehabilitation of communities/villages and present status of such activities.

3. Examine baseline environmental quality along with projected incremental load due to the project.
4. Environmental data to be considered in relation to the project development would be (a) land, (b) groundwater, (c) surface water, (d) air, (e) bio-diversity, (f) noise and vibrations, (g) socio economic and health.
5. Submit a copy of the contour plan with slopes, drainage pattern of the site and surrounding area. Any obstruction of the same by the project.
6. Submit the details of the trees to be felled for the project
7. Submit the present land use and permission required for any conversion such as forest, agriculture etc.
8. Submit Roles and responsibility of the developer etc. for compliance of environmental regulations under the provisions of EP Act.
9. Ground water classification as per the Central Ground Water Authority.
10. Examine the details of Source of water, water requirement, use of treated waste water and prepare a water balance chart.
11. Rain water harvesting proposals should be made with due safeguards for ground water quality. Maximize recycling of water and utilization of rain water. Examine details.
12. Examine soil characteristics and depth of ground water table for rainwater harvesting.
13. Examine details of solid waste generation treatment and its disposal.
14. Examine and submit details of use of solar energy and alternative source of energy to reduce the fossil energy consumption. Energy conservation and energy efficiency.
15. DG sets are likely to be used during construction and operational phase of the project. Emissions from DG sets must be taken into consideration while estimating the impacts on air environment. Examine and submit details.
16. Examine road/rail connectivity to the project site and impact on the traffic due to the proposed project. Present and future traffic and transport facilities for the region should be analyzed with measures for preventing traffic congestion and providing faster trouble-free system to reach different destinations in the city.
17. A detailed traffic and transportation study should be made for existing and projected passenger and cargo traffic.
18. Examine the details of transport of materials for construction which should include source and availability.
19. Examine separately the details for construction and operation phases both for Environmental Management Plan and Environmental Monitoring Plan with cost and parameters.
20. Baseline data should not be older than 3 years.

21. Submit details of a comprehensive Disaster Management Plan including emergency evacuation during natural and man-made disaster.

22. Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.

23. The cost of the Project (capital cost and recurring cost) as well as the cost towards implementation of EMP should be clearly spelt out.

Additional Specific TOR

i) The project proponent shall make an assessment of 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 an 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.

ii) The Project proponent shall submit a separate chapter in the EIA report defining the role and responsibilities of all the stakeholders in the implementation of the proposed Environmental Management Plan as well as for assuring proper compliance of the conditions of Environmental Clearance in case, it is granted.

iii) Environmental Consultant shall prepare EIA report keeping in view Office Memorandum dated 07.07.2021 issued by the MoEF&CC, New Delhi.

iv) Environmental Consultant shall collect the baseline data for three months as per MOEF&CC office memorandum dated 29.08.2017.

2.0 Deliberations during the 207th meeting of SEIAA held on 15.06.2022.

The case was considered by SEIAA in its 207th meeting which was attended by the following:
(i) Sh. B.S. Sandha on behalf of the Project proponent.
(ii) Sh. Sital Singh, Environmental Advisor and Sh. Sandeep Singh, Consultant, M/s. Chandigarh Pollution Testing Laboratory.

The environmental Consultant of the Promoter Company presented the salient features of the project and requested for issuance of TORs. A copy of the presentation submitted by the project proponent was also taken on record by the SEIAA.

During discussions, the Environmental Consultant of the promoter company agreed to prepare a detailed EIA on the basis of Terms of Reference as recommended by the SEAC except for the additional specific TOR no's (i), (iii) & (iv). With respect to the additional specific TOR (i) and (iii), it was informed that the project does not fall under the violation category as no prior construction

has been carried out by them and these TORs have, therefore, been erroneously stipulated by SEAC. In respect of TOR no. (iv), it was submitted that MoEF&CC has issued a fresh Office Memorandum on 08.06.2022 in supersession of OM no. J-11013/41/2006-IA-II (I) (Part) dated 29th August 2017. As such, the additional specific TOR No's (i) and (iii) be deleted, and TOR no. (iv) be amended in accordance with OM dated 08.06.2022.

SEIAA examined the request of the project proponent and decided to delete the additional specific TOR (i) & (iii) and amend the TOR no. (iv) as under:

(iv) Environmental Consultant shall collect the baseline data for three months as per the MOEF&CC office memorandum dated 08.06.2022.

SEIAA observed that the SEAC has categorized the project as B-1 category (under Item 8 (b) of the Schedule appended to the EIA Notification). Public Consultation is not required for this category of project and SEAC has recommended specific TORs for undertaking detailed EIA and EMP for the project.

SEIAA looked into the details of the case and was satisfied with the same. Therefore, the Authority decided to accept the recommendations of SEAC and approved the Terms of Reference for undertaking detailed EIA and EMP as finalized by SEAC for the establishment of a residential project namely "AGI Smart Homes-II" at village Pholriwal, Tehsil & District Jalandhar, Punjab by AGI Infrastructure Limited, with following additional/amendment/deletion of TORs:

Deletion of Additional Specific TOR no. (i) & (iii) proposed by SEAC

Additional specific TOR No's (i) and (iii) recommended by SEAC are deleted as this is not a "violations" category case.

Amendment in the Additional specific TOR no. (iv) proposed by SEAC

(iv) Environmental Consultant shall collect the baseline data for three months as per the MOEF&CC office memorandum dated 08.06.2022.

Additional TORs

(i) Examine and propose satisfactory disposal arrangements for treated wastewater.

(ii) Submit the details of Green Area development separately in respect of plantation of tall plants of indigenous tree species and plantation of ornamental shrubs / grasses etc..

(iii) Submit NOC from the concerned territorial / wildlife DFOs that no Forest/PLPA/Wildlife areas are involved at the time of submission of the EIA report.

(iv) Submit NOC/permission from PWRDA for the abstraction of ground water.

(v) Submit undertaking that the natural drainage channels in the project site including streams, drains, choes, creeks, rivulets, etc. will not be disturbed and that the natural flow of rain water, etc will not be impeded or disrupted in any manner.

(vi) Undertake all activities related to the Corporate Environmental Responsibility in the Environmental Management Plan and ensure compliance with OM 25.02.2021 issued by the MoEF&CC.

Item no. 207.07: Application for obtaining Environmental Clearance under EIA notification dated 14.09.2006 for the establishment of Warehouse Project at Village Tepla, Tehsil Rajpura, District Patiala, (Punjab) by M/s Star Enterprises, (Proposal No. SIA/PB/MIS/260181/2022).

Background and salient features of the project are as under:

The project proponent has submitted an application for obtaining Environmental Clearance under EIA Notification dated 14.09.2006 for the establishment of the Warehouse Project at Village Tepla, Tehsil Rajpura, District Patiala, (Punjab). The total land area of the project is 56731.13 sqm having a built-up area of 35675.544 Sqm. The Project is covered under Activity 8(a) & Category 'B2' as per EIA notification-2006.

The project proponent submitted Form I, 1A and other additional documents along with the processing fee amounting to Rs. 1,60,014.16/- vide UTR No. SBIN522031017056 dated 31.01.2022. The adequacy of the fee deposited by the Project Proponent has been checked and verified by supporting staff SEIAA. The total cost of the project is Rs. 15.90 Crore.

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

PPCB was requested to send the latest construction status report of the project through e-mail on 26.04.2022. Punjab Pollution Control Board vide letter no. 2792 dated 11.05.2022 has sent the latest construction status report with details as under:

"The site of the proposed project was visited by the officer of the Board on 28.04.2022 to verify the facts and the pointwise reply/comments of the Board, to the information sought is as under:

Sr. No.	***Point as desired by SEIAA***	***Comments***
1.	*The construction status of the proposed project. Please send a clear-cut report as to whether construction for the proposed project has been started for the project except for securing the land.*	*The Project Proponent has constructed the boundary wall along with three side. No construction activity was observed during the visit.*
2.	*Status of physical structures within 500m radius of the site including the status of industries, drain, river, and eco-sensitive structures if any.*	*There is one no. warehouse, one No. Petrol Pump, and agriculture are within the 500-metre radius from the site. No residential area, lal lakir, pohirni was observed within 500m of the site.*
3.	*Whether the site is meeting the prescribed criteria for setting up of*	*No lal lakir, phirni, residential area was observed within the 100m from the site. The*

	such type of projects. Please send the clear-cut recommendation.	*site falls in the agriculture land use zone as per the Master Plan of Rajpura and also submitted the principal approval form the Deputy Commissioner Patiala. Therefore, site is suitable for the establishment such type of units."*

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

The meeting was attended by the following:

(i) Sh. Saurav Singla, MD, M/s Star Enterprises.
(ii) Sh. Vipul Khandelwal, M/s Gaurang Enviro. Solutions Private Limited.

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

S. No.	Description	Details
1	**Basic Details**	
1.1	Name of Project & Project Proponent:	Project Name: Proposed Warehouse Project Proponent: M/s Star Enterprises
1.2	Proposal	SIA/PB/MIS/260181/2022
1.3	Location of Project:	Khasra no. 7/8, 11/12 in Village - Tepla, Tehsil Rajpura, District Patiala, Pincode 140401, Punjab.
1.4	Details of Land area &Built-up area:	Total Plot: 56731.13 Sq. m. Built-up Area: 35,721.04 Sq. m.
1.5	Category under EIA notification dated 14.09.2006	The project falls under S. No. 8(a) - 'Building & Construction Project' as proposed built-up area of the project will be 35,721.04 sq. m.
1.6	Cost of the project	Rs. 15.90 Crores
2.	**Site Suitability Characteristics**	
2.1	Whether project is suitable as per the provisions of Master Plan:	The site of the project falls in the agricultural land as per the Master Plan of Rajpura.
2.2	Whether supporting document submitted in favour of statement at 2.1, details thereof: (CLU/building plan approval status)	A copy of certificate of in-principle approval issued by Deputy Commissioner of Patiala on 28.01.2022, which is valid up to 27.07.2025 for the establishment of Warehouse project submitted.
3	**Forest, Wildlife and Green Area**	
3.1	Whether the project required clearance under the provisions of Forest Conservations Act 1980 or not:	No, there is no forest land involved in the project. A self-declaration in this regard submitted.

<table>
<tr><td>3.2</td><td>Whether the project required clearance under the provisions of Punjab Land Preservation Act (PLPA) 1900.</td><td>No PLPA land is involved within the radius of the project. A self-declaration in this regard submitted.</td></tr>
<tr><td>3.3</td><td>Whether project required clearance under the provisions of Wildlife Protection Act 1972 or not:</td><td>No, there is no wildlife Sanctuary/national park within 10 km radius of the project site. A self-declaration in this regard submitted.</td></tr>
<tr><td>3.4</td><td>Distance of the project from the Critically Polluted Area.</td><td>Ludhiana: 96 KM</td></tr>
<tr><td>3.5</td><td>Whether the project falls within the influence of Eco-Sensitive Zone or not.</td><td>NA</td></tr>
<tr><td>3.6</td><td>Green area requirement and proposed No. of trees:</td><td>5700 sq. m. (10% of total plot area)
Total No. of tree proposed: 720 nos.</td></tr>
<tr><td>4.</td><td colspan="2">Configuration & Population</td></tr>
<tr><td>4.1</td><td>Proposal & Configuration</td><td>Total Plot: 56731.13 Sq. m.
Built-up Area: 35,721.04 Sq. m.</td></tr>
<tr><td>4.2</td><td>Population details</td><td>
<table>
<tr><th>Sr. No.</th><th>Particulars</th><th>Population</th></tr>
<tr><td>1.</td><td>Staff</td><td>150</td></tr>
<tr><td></td><td>• Managers</td><td>05</td></tr>
<tr><td></td><td>• Supervisors/Foreman’s</td><td>20</td></tr>
<tr><td></td><td>• Unskilled/Semiskilled labours</td><td>125</td></tr>
<tr><td>2.</td><td>Visitors @ 10% of Total Population</td><td>15</td></tr>
<tr><td colspan="2">Total</td><td>165</td></tr>
</table>
</td></tr>
<tr><td>5</td><td colspan="2">Water</td></tr>
<tr><td>5.1</td><td>Total fresh water requirement:</td><td>
<table>
<tr><th>Particulars</th><th>Water demand</th><th>Source</th></tr>
<tr><td>Fresh water</td><td>34 KLD</td><td>Ground Water</td></tr>
<tr><td>Recycled</td><td>7 KLD</td><td>STP</td></tr>
<tr><td>Total</td><td>41 KLD</td><td></td></tr>
</table>
</td></tr>
<tr><td>5.2</td><td>Source</td><td rowspan="2">Ground Water
Acknowledgement of the application for 34 KLD of Ground water abstraction filed with PWRDA submitted.</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></tr>
<tr><td>5.4</td><td>Total wastewater generation:</td><td>8 KLD</td></tr>
<tr><td>5.5</td><td>Treatment methodology:
(STP capacity, technology & components)</td><td>STP
Capacity 10 KLD based on MBBR Technology</td></tr>
<tr><td>5.6</td><td>Treated wastewater for flushing purpose:</td><td>4 KLD</td></tr>
</table>

5.7	Treated wastewater for green area in summer, winter and rainy season:	Summer Season: 03 KLD Winter Season :03KLD Rainy Season: 03 KLD
5.8	Utilization/Disposal of excess treated wastewater.	Total treated water will be used in Landscaping and Flushing, no excess treated wastewater generated.
5.9	Cumulative Details:	

Sr. No.	Total water Requirement	Total wastewater generated	Treated wastewater	Flushing water requirement	Green area requirement	Sludge and evaporation losses
1.	41 KLD	8 KLD	7 KLD	4 KLD	32 KLD	1 KLD

5.10	Rain water harvesting proposal:	**7 Nos.** Rain water harvesting structure will be provide
6	**Air**	
6.1	Details of Air Polluting machinery:	D.G sets of cumulative capacity: 126 KVA & 63 KVA: 2 nos.(each)
6.2	Measures to be adopted to contain particulate emission/Air Pollution	Adequate stack height of 20 m will be provided for control air pollution
7	**Waste Management**	
7.1	Total quantity of solid waste generation	33 kg/day
7.2	Details of management and disposal of solid waste (Mechanical Composter/Compost pits)	

Bins	Particulars	Treatment	Disposal
Green	Compostable waste	Collected in green colored bins and sent to the compost pit	Will be sent to municipality disposal site
White	Dry/ recyclable waste	No in-situ treatment. Collected in white colored bins and sent to solid waste collection point.	Segregated waste will be handed over to authorized waste pickers or waste collectors.
Black	Other waste/ Domestic hazardous waste	No in-situ treatment. Collected in Black colored bins and sent to solid waste collection point	

7.5	Details of management of Hazardous Waste.	Not submitted any details
8	**Energy Saving & EMP**	
8.1	Power Consumption	300 KW
8.2	Energy saving measures	

- Total Light Load will be reduced by 25% by the use of LED fixtures.
- Total common area lighting load will be reduced by 20% by the use of LED fixtures
- Minimum 3 Star rated pumps, motors, fans will be used.
- Primary pumps should be driven by variable frequency-controlled motors.

- Energy efficient motors will be used.
- High efficient glass and insulated wall will be used to reduce the heat gain.

8.3 Details of activities under Environment Management Plan:

Sr. No.	Particulars	Capital Cost (In Lacs)	Recurring Cost (In Lacs)
1.	Acoustic Enclosures & Stack attached to DG Sets	10	1.0
2.	STP	5.0	1.0
3.	Rain Water Harvesting	21.0	2.1
4.	Solid Waste Management	1.0	0.10
5.	Pollution monitoring	--	1.0
6.	Firefighting & emergency handling	30.00	3.0
7.	Green Belt	7.20	2.0
8.	Socio EMP	15.90	--
Total		**90.1 say 90**	**10.2 say 11**

The Committee was satisfied with the presentation given by the Environmental Consultant of the promoter company and after 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 the establishment of Warehouse Project in the total land area of 56731.13 sqm having a built-up area of 35675.544 Sqm at Village Tepla, Tehsil Rajpura, District Patiala, (Punjab), subject to the following conditions.

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 41 KLD, out of which 34 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**	**Sludge and evaporation losses**
1.	41 KLD	8 KLD	7 KLD	4 KLD	32 KLD	1 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, 07 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) 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.

iii) 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.

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

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

vi) 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.

vii) 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.

viii) 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.

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

x) 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 720 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

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

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

viii) 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.

ix) Occupational health surveillance of the workers shall be done regularly.

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

X. Environment Management Plan

i) The company shall have a well-laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe 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.

iii) 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. The Environmental Management Plan (EMP) of the proposed project as per the details given in Table below:

Sr. No.	Particulars	Capital Cost (In Lacs)	Recurring Cost (In Lacs)
1.	Acoustic Enclosures & Stack attached to DG Sets	10	1.0
2.	STP	5.0	1.0
3.	Rain Water Harvesting	21.0	2.1
4.	Solid Waste Management	1.0	0.10
5.	Pollution monitoring	--	1.0
6.	Firefighting & emergency handling	30.00	3.0
7.	Green Belt	7.20	2.0

8.	Socio EMP	15.90	--
Total		**90.1 say 90**	**10.2 say 11**

XI. Validity

This environmental clearance will be valid for a period of 10 (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 Bio-Medical wastes shall be managed in accordance with the Bio-Medical Waste Management Rules 2016 as amended from time to time.

v) 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.

vi) 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.

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

2.0 Deliberations during the 207th meeting of SEIAA held on 15.06.2022.

The case was considered by SEIAA in its 207th meeting which was attended by the following:

(i) Sh. Sourav Singla, M.D
(ii) Sh. Vipul Khandelwal, Environmental Consultant from M/s Gaurang Environmental Solutions Pvt. Ltd.

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

During discussions, the representative of the promoter company agreed to fully comply with all the conditions proposed by SEAC and also undertake the CER activities of Rs 25 lacs for which a detailed plan after the field survey of the nearby villages shall be submitted within a period of one month. The project proponent has submitted the revised Environmental Management Plan as per Table below:

Sr. No.	Particulars	Capital Cost (In Lacs)	Recurring Cost (In Lacs)
1.	Acoustic Enclosures and Stack attached to DG Sets	10	1.0
2.	STP	5.0	1.0
3.	Rain Water Harvesting	21.0	2.1
4.	Solid Waste Management	1.0	0.10
5.	Pollution monitoring	--	1.0
6.	Firefighting & emergency handling	30.00	3.0
7.	Green Belt development by plantation of 950 tall plants of indigenous tree species	7.20	2.0
8.	CER activities	25	--
Total		**99.2**	**10.2 say 11**

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

After detailed deliberations, SEIAA decided to accept the recommendations of SEAC and grant Environmental Clearance for the establishment of Warehouse Project in the total land area of 56731.13 sqm having a built-up area of 35675.544 sqm at Village Tepla, Tehsil Rajpura, District Patiala, (Punjab) by M/s Star Enterprises as per the details mentioned in Form 1, 1A, EMP and subsequent presentation /clarifications made by the project proponent and his consultant with proposed measures and subject to conditions proposed by SEAC and additional conditions as under:

Amended Condition no. iii) of X. of Environmental Management Plan

iii. Action plan for implementing EMP and environmental conditions along with the responsibility matrix of the company shall be prepared and shall be duly approved by the competent authority. The year-wise funds earmarked for environmental protection measures shall be kept in a separate account and will not be diverted for any other purpose. The project proponent shall spend the minimum amount of Rs. 99.2 Lacs towards the capital cost and Rs. 10.2 Lacs/annum towards recurring cost in the construction and operation phase of the project under the Environmental Management Plan (EMP) of the proposed project as per the details given in the Table below:

Sr. No.	Particulars	Capital Cost (In Lacs)	Recurring Cost (In Lacs)
1.	Acoustic Enclosures & Stack attached to DG Sets	10	1.0
2.	STP	5.0	1.0
3.	Rain Water Harvesting	21.0	2.1
4.	Solid Waste Management	1.0	0.10
5.	Pollution monitoring	--	1.0
6.	Firefighting & emergency handling	30.00	3.0
7.	Green Belt development by plantation of 950 tall plants of indigenous tree species	7.20	2.0
8.	CER activities	25	--
Total		**99.2**	**10.2 say 11**

The entire cost of the environmental management plan will continue to be borne by the project proponent throughout the life 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 Reports.

Additional Conditions:

i) The project proponent shall submit a detailed plan for an additional amount of Rs. 25 lacs (0.6% of total project cost) to be spent on CER activities in the vicinity of the project within 18 months, under the Environmental Management Plan (EMP) within 1 month from the date of issue of Environmental Clearance.

ii) This Environmental Clearance is liable to be revoked without any further notice to the Project Proponent in case of failure to submit the aforesaid detailed plan of Rs. 25 lacs within 01 month.

Item No. 207.08: Application for obtaining Environmental Clearance for proposed Steel Manufacturing Unit M/s Madhav KRG HRC Pvt. Ltd. for production capacity of 7,50,000 TPA of Hot Rolled Coil (HRC) at Village Akalgarh & Bhagwanpura, Amloh-Bhadson Road, Near Toll Plaza, Tehsil Nabha & Amloh, Distt. Patiala & Fatehgarh Sahib, Punjab (Proposal No. SIA/PB/IND/61014/2021).

Background and salient features of the case are as under:

M/s Madhav KRG HRC Pvt. Ltd. has applied for Environmental Clearance for setting up of Steel Manufacturing Unit for the production capacity of 7,50,000 TPA of Hot Rolled Coil (HRC) at Village Akalgarh & Bhagwanpura, Amloh-Bhadson Road, Near Toll Plaza, Tehsil Nabha & Amloh, Distt. Patiala & Fatehgarh Sahib, Punjab. The project is covered under Schedule 3(a) & Category 'B1' as per EIA Notification, 2006.

The industry was issued Terms of Reference for carrying out an EIA study for obtaining Environmental Clearance under EIA notification dated 14.09.2006 vide letter no. SEIAA/MS/2021/4160 dated 20.05.2021.

The project proponent has submitted the final EIA report along with TOR compliance and proceedings of the public hearing and other relevant information on the online portal. The total cost of the project is Rs. 410.57 Cr. The processing fee for Environmental Clearance is Rs.4105700/- (@ Rs. 10,000/crore of the project cost). Out of this ToR fee of Rs. 1026425 i.e., 25% already deposited at the time of ToR. Now, Rs. 30,79,275/- (75%) has been deposited vide NEFT No. UTIBR52022011000485372 dated 10.01.2022 as verified by the supporting staff of SEIAA.

The Project Proponent submitted undertaking that the information given in the application is true to the best of his knowledge and belief and no facts have been concealed therefrom. Further, he is aware that in case any information submitted 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.

Furthermore, PPCB was requested to send the latest construction status report of the project through e-mail on 17.01.2022. Punjab Pollution Control Board vide letter no. 343 dated 03.02.2022 has sent the latest construction status report with details as under:

Accordingly, the site of the industry was visited by the AEE of Regional Office, Fatehgarh Sahib on 18.01.2022, and the point-wise comments are as under:

Sr.	Information sought	Comments of the Board

no		
1.	Construction status of the proposed project Send the clear-cut report as to whether construction has been started or the proposed project except squiring the land.	The industry has not started any construction activity w.r.t proposed project except securing the land.
2.	Status of physical structures within 500 m radius of the site including the status of industries, drain, river, eco sensitive structure, if any.	The following industrial units are located within 500 m radius of the proposed project: 1. Madhav Alloys Pvt. Ltd., Village Akalgarh, Bhadson Patiala 2. Madhav KRG Environmental Solution (P)Ltd., Village Bhagwanpura, Amloh Bhadson Road, Amloh, Fatehgarh sahib 3. Arihant Spintex Pvt. Ltd., Village Bhagwanpura, Amloh – Bhadson Road, Amloh, Fatehgarh Sahib.
3.	Whether the site is meeting the prescribed criteria for setting up of such type of projects.	The site of the industry having latitude and longitude (30 33'41.98"N and 76 14'11.91"E) falls in the agriculture land. It is pertinent to mention here that there is no Master Plan or Tehsil Amloh and Nabha, so land use classification could not be checked. Further proposed land falls in local planning area, Amloh and Bhadson. As per policy of Punjab Pollution Control Board "All Red/Orange /Green category of industries, which are to be established in the areas / Zone other that designated/ Approved areas such as Industrial Area /Industrial Park / Industrial Zone of the statutory / non-statutory Master Plans, will be allowed to set up at a distance of 100m outside the Municipal Council limits/ phirni of village / designated residential area/ residential areas competent Authority of the state. In such cases, certificate of its location/ situation from the nearest village lal lakir /phirni /MC limits form the Revenue Authorities such as Deputy Commissioner /Additional Deputy Commissioner or the Sub-Divisional Magistrate will be required for grant of consent to establish (NOC) / authorization by the Board."

1.0 Deliberations during 215th meeting of SEAC held on 23.02.2022.

The meeting was attended by the following:

(i) Mr. Dilbag Singh Mangat, Advisor on the behalf of Project Proponent.
(ii) Dr. Sandeep Garg, EIA Coordinator, M/s Eco laboratories Pvt Ltd.
(iii) Mrs. Simranjit Kaur, EIA Coordinator, M/s Eco laboratories Pvt. Ltd.

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

<table>
<tr><th>Sr. No.</th><th>Item No.</th><th>Details</th></tr>
<tr><td>1.</td><td>Nature of Project</td><td>Environmental Clearance for proposed Steel Manufacturing Unit i.e. M/s Madhav KRG HRC Pvt. Ltd. for production capacity of 7,50,000 TPA of Hot Rolled Coil (HRC) at Village Akalgarh & Bhagwanpura, Amloh-Bhadson Road, Near Toll Plaza, Tehsil Nabha & Amloh, Distt. Patiala & Fatehgarh Sahib, Punjab</td></tr>
<tr><td>2.</td><td>Category/Activity</td><td>Schedule: 3(a): Metallurgical Industries (ferrous & non-ferrous)
Category: B-1</td></tr>
<tr><td>3.</td><td>Whether the project falls in critical polluted area notified by MoEF&CC/ CPCB.</td><td>No, the project is not located in critically polluted area as notified by MoEF&CC/ CPCB.</td></tr>
<tr><td>4.</td><td>a. Total Project Cost

b. Total project cost breakup at current price level</td><td>a. The total cost of Project: Rs. 410.57 Crores.

b. The break-up of the project cost is given as under:
<table>
<tr><th>S. No.</th><th>Description</th><th>Total cost (Rs. in Cr.)</th></tr>
<tr><td>1.</td><td>Land cost (including land development)</td><td>7.06</td></tr>
<tr><td>2.</td><td>Plant & Machinery including APCD</td><td>280.68</td></tr>
<tr><td>3.</td><td>Shed and Buildings</td><td>70.91</td></tr>
<tr><td>4.</td><td>Misc. Fixed Assets</td><td>39.32</td></tr>
<tr><td>5.</td><td>Power connection charges</td><td>12.60</td></tr>
<tr><td colspan="2">Total</td><td>410.57</td></tr>
</table></td></tr>
<tr><td>5.</td><td>Project area involves forest land, (Yes/No),

If yes, then details of the the extent of area involved and copy of permission &</td><td>a. No forest land is involved in the project, however, NOC for providing the approach road to the project site is required to be obtained from the Department of Forest & Wild Life. The industry has already applied for obtaining requisite perrmission in this regard. The request</td></tr>
</table>

	approval for the use of forest land b. Project area involves land under PLPA (Yes/No), If yes, then details of the the extent of area involved and copy of permission & approval for the use of PLPA land c. Project area involves Wild Life Area, (Yes/No), If yes, then details of the extent of area involved and copy of permission & approval under Wild Life (Protection) Act 1972 for the use of said land.	letter has been submitted to the Department of Forest & Wild Life. b. Bir Bhadson Wild Life Sanctuary is located at distance of approximately 3.5 Km in south west direction from project site. The extent of Eco-sensitive zone is up to 100m from the boundary of Bir Bhadson Wild Life Sanctuary. Thus, the project site outside the eco-sensitive zone. So, no NBWL permission for required.
	a. Whether the project falls in the critical polluted area notified by MoEF&CC/CPCB. (Yes/No) If no and the proposed project site lies in the same or neighbouring district of critically polluted area, then details the distance of project site from the boundary of critically polluted area. (Submitted/Not submitted)	Nearest Critically polluted is Ludhiana, which is located at distance of approximately 47 km from the project site.
6.	Details of technology proposed for control of emissions & effluents generated from project	

Sr. No.	Details of proposed APCD/ STP	Technology	Capacity
1.	APCD	Fume Extraction System comprising of dog house suction hood followed by cyclone and bag filter	2,50,000 CMH each

<table>
<tr><td></td><td></td><td>
<table>
<tr><td>2.</td><td>STP</td><td>Based on MBBR technology</td><td>90 KLD</td></tr>
</table>
</td></tr>
<tr><td>7.</td><td>Plot Area Details</td><td>Area breakup of the project is given below:
<table>
<tr><th>Sr. No.</th><th>Description</th><th>Area (in sqm.)</th></tr>
<tr><td>1.</td><td>Proposed Shed areas</td><td>40,138</td></tr>
<tr><td>2.</td><td>Green Area</td><td>19,507 (17.8%)</td></tr>
<tr><td>3.</td><td>Road Area</td><td>19,020</td></tr>
<tr><td>4.</td><td>Non-construction zone</td><td>5,261</td></tr>
<tr><td>5.</td><td>Other utility area</td><td>25,622.4</td></tr>
<tr><td colspan="2">Total Land Area</td><td>1,09,548.4 (27.07 acres)</td></tr>
</table>
</td></tr>
<tr><td>8</td><td>a. Details of land area
b. Type of project land as per master plan (Industrial/Agriculture/Any other),
If non industrial land then the details of Land Use Certificate / permissibility Certificate from Competent Authority (DTP/CTP) intimating land use pattern of the project site as per proposals of Master Plan of the area. (Submitted/Not Submitted)</td><td>a. The Project Proponent has submitted details of land area falling in Village Akalgarh & Bhagwanpura in the form of Jamabandi bearing hadbast number, Khasra number, Khewat & Khatauni numbers. The summary of the land area available with the Project Proponent is given as under:
<table>
<tr><th>Khewat / Khatoni / Khasra nos</th><th>Area (in Bigha & Biswa</th><th>Area (in acre)</th></tr>
<tr><td colspan="2">Akalgarh</td><td></td></tr>
<tr><td>18//1/2</td><td>3 Kanal 1 Marla</td><td>0.381</td></tr>
<tr><td>10</td><td>4 Kanal 18 Marla</td><td>0.612</td></tr>
<tr><td>11</td><td>7 Kanal 18 Marla</td><td>0.987</td></tr>
<tr><td>19</td><td>2 Kanal 9 Marla</td><td>0.306</td></tr>
<tr><td>19//5/4</td><td>2 Kanal 3 Marla</td><td>0.268</td></tr>
<tr><td>6/1</td><td>4 Kanal 16 Marla</td><td>0.6</td></tr>
<tr><td>14</td><td>7 Kanal 18 Marla</td><td>0.987</td></tr>
<tr><td>15</td><td>8 Kanal</td><td>1</td></tr>
<tr><td>16</td><td>8 Kanal</td><td>1</td></tr>
<tr><td>17</td><td>7 Kanal 2 Marla</td><td>0.887</td></tr>
</table>
</td></tr>
</table>

		24	6 Kanal 8 Marla	0.8
		25	8 Kanal	1
		34//4//1/2	2 kanal 7 Marla	0.293
		5/1/2	3 kanal 3 Marla	0.393
		35//1/1/2	3 Kanal 3 Marla	0.393
		2/1/2	1 kanal 12 Marla	0.2
		18//20	8 kanal	1
		21	8 kanal	1
		22	4 kanal 16 Marla	0.6
		Sub TOTAL		**12.707**
		Bhagwanpura		
		1/1/624/1	3 Bigha 14 Biswa	0.77
		1220/587	4 Bigha 1 Biswa	0.843
		121/208/623/1	5 Bigha 1 Biswa 5 Biswasi	1.054
		624	6 Bigha 5 Biswa	1.302
		625	8 Bigha 5 Biswa	1.718
		626/1	5 Bigha 1 Biswa 5 Biswasi	1.054
		627/1	3 Bigha 12 Biswa	0.75
		628	4 Bigha 13 Biswa	0.968
		836	2 Biswa	0.02
		23/41/1217/585	3 Bigha	0.625
		119/206/1247/6 29 Min	1 Bigha 13 Biswa 13 Biswasi	0.35

		1249/630 Min	2 Bigha 9 Biswa 17 Biswasi	0.519
		121/208/620	6 Bigha 5 Biswa	1.302
		621	6 Bigha 5 Biswa	1.302
		622	6 Bigha 5 Biswa	1.302
		623/2	1 Bigha 3 Biswa 15 Biswasi	0.247
		626/2	1 Bigha 3 Biswa 15 Biswasi	0.247
		627/2	16 Biswasi	0.008
		Sub Total		**14.381**
		Total		**27.07 acres**
		b. The industry is located outside the industrial zone as per the Master Plan of Mandi Gobindgarh and as per the status report filed by Punjab Pollution Control Board, the said site falls in agricultural land area. The Project Proponent informed that he has applied for permission for Change of Land Use from the competent authority and the same is awaited.		
9.	ToR Compliance Report	Submitted.		
10.	Compliance Report of Public Hearing Proceedings (Action Taken)			

Summary of Public Hearing Proceedings of District Fatehgarh Sahib, Punjab

S. No.	Name & Address of the person	Detail of query/ statement/ information/ clarification sought by the person present	Reply of the query/ statement/ information/ clarification given by the project proponent	Action Plan

	1.	Sh. Virinder Singh, village Bhamarsi, Fatehgarh Sahib	He stated that the industry had done a good job out of the funds set aside for social work and further planting of plants from the fund set aside for social works in the village.	The factory owner has assured that women are already taught sewing in the surroundings villages and plants are planted wherever needed. In further more and more plants will be planted in village where Panchayats are needed to keep the environment clean.	Appreciation has been done of social work and plantation activity done by the industry. Further, industrial unit will carry out more plantation drives in the nearby villages. Thus, Rs. 2 lakhs has been reserved for the planation.
	2.	Sh. Jarnail Singh, Former Sarpanch of Village Akalgarh, fatehgarh Sahib	He stated that the entrepreneur has done a lot of work in the school, carried out the road work and made cleaning of the village pond.	Not required.	Appreciation has been done. Thus, no action is required.
	3.	Mrs. Hardeep Kaur, Village Bhadalthuha, Fatehgarh Sahib	This entrepreneur open a sewing center in the village, from which I learned the trade and opened my own boutique.	Not required.	Appreciation has been done. Thus, no action is required.
	4.	Sh. Sanjeev, village Chahal, Fatehgarh Sahib	These entrepreneurs continue to distribute books and copies in the school. They have also planted plants in the school and open a sewing center in the village.	Not required.	Appreciation has been done. Thus, no action is required.
	5.	Miss. Jasmeen Kaur, village Faridkot,	What will be the effect of air pollution of this	The technical adviser of the factory said that	Fume Extraction System comprising of dog

	Fatehgarh Sahib	factory on the animals and monkeys of Bir?	33% of the existing land of the factory has been set aside for green belt in which maximum no. of plants would be planted so that the pollution of the factory would not adversely affect the environment. He also assured that the Bandra of Bir which is at a distance of 3-4 km from the factory would not be affected by the pollution of this factory. Contaminated water from factory will be treated in STP and used for plantation.	house suction hood followed by cyclone and bag filter will be installed as APCD based on design provided by PSCST, Chandigarh. Further, adequate green area has been proposed within the project premises to control the air pollution. Also, STP has been proposed within the project premises to treat the domestic wastewater and treated water will be reused within the project.
6.	Sh. Hardev Singh, village Bhamarsi Jer, Fatehgarh Sahib	He requested that cleaning of their village pond on Seechewal model may be done from the funds set aside by the factory for social works.	The Director of the factory assured that the pond of village Bhamarsi Jher would be cleaned on the basis of Seechewal model and the village panchayat would have to submit a resolution in writing regarding the funds earmarked for social works. The village will be responsible for cleaning the area.	Rs. 25 lakhs will be given to Sarapanch of the Village Bhamarsi Jher as CSR activity for cleaning of pond in the village based on Seechewal model, after the grant of Environmental Clearance.

Summary of Public Hearing Proceedings of District Patiala, Punjab

Sr. No.	Name and address of the person	Details of query/ statement/ information/ clarification sought by the person present	Reply of the query/ statement/ information/ clarification given by the project proponent	Action plan
1.	Sh. Jarnail Singh, Ex. Sarpanch, village Akalgarh, Tehsil Nabha, District Patiala	He stated that they are satisfied with the adjoining sister unit and its management as there is no major pollution of the industry and requested to take care of minor issues, which arise from time to time. He requested the management of the industry to prefer the local youth for employment in the industry. Further, he also requested to sought the problem of parking of trucks along the road side.	Sh. Sandeep Garg, Environmental Consultant informed that the industry has already considered the points raised by Sh. Jarnail singh, Ex. Sarpanch. The industry has already proposed to provide parking within the premises.	Adequate parking space has been proposed within the project premises. Further, it is ensured that no trucks will be parked outside the project along road side.
2.	Sh. Sandeep Singh, village Chehal	He requested the management of the industry to provide books, uniforms etc. to the needy students of the nearby villages along with repair of primary and high schools present in their village.	The management of the industry assured to allocate funds from its funds under CSR activities for providing books, uniforms etc. to the needy students.	Rs. 10 lakhs will be spent under CSR activity for providing uniforms, books etc. to the needy students and repairing of Primary School building located in the Village Chehal.

3.	Sh. Amrik Khan, Sherpur Majra	He endorsed the statements earlier given by the spokesman and requested to consider at least 8-10 villages for providing help to the needy students.	The management of the industry assured to consider nearby villages only to allocate funds under CSR activities.	Rs. 10 lakhs will be spent under CSR activity for providing uniforms, books etc. to the needy students of the nearby Villages.
4.	Smt. Hardeep Kaur, Bhadhal Thuha	She stated that the industry is providing training to the girls/women of the nearby area in embroidery & other skills free of cost and the company is regularly paying salary to the teacher recruited in this regard. Presently, Approx. 150 students are learning different skills in the said training centers.	No comment was required.	Appreciation has been done. Thus, no action is required.

Additional issues raised by Additional Deputy Commissioner

<table>
<tr><th>Sr. No.</th><th>Issues raised</th><th>Reply</th></tr>
<tr><td>1.</td><td>As per the Corporate Environment Responsibility (CER) plan, the industry is required to clarify regarding the activities to be carried under CER, funds allocated for each activity and</td><td>Following activities will be undertaken under CER activities:
<table>
<tr><th>S. No.</th><th>Activities</th><th>Total Expenditure</th><th>Timeline (From date of grant of EC)</th><th>Total Expenditure (in lakhs)</th></tr>
</table>
</td></tr>
</table>

<table>
<tr><td></td><td></td><td>time period required to complete the said activities. It is further required to be clarified that whether these funds are allocated per annum or it is the one-time allocation.</td><td>
<table>
<tr><td>1.</td><td>Maintenance of 2 ponds adopted in Village Bhadalthuha and Badecha of Nabha Block</td><td>Rs. 20 lakhs per pond</td><td>2 years</td><td>Rs. 40 lakhs</td></tr>
<tr><td>2.</td><td>Maintenance of 2 ponds adopted in Village Akalgarh & Sakrali of Block Amloh</td><td>Rs. 20 lakhs per pond</td><td>2 years</td><td>Rs. 40 lakhs</td></tr>
<tr><td colspan="2">Total</td><td>Rs. 80 lakhs</td><td></td><td>Rs. 80 lakhs</td></tr>
</table>
This, is a one-time activity and maintenance will be done by villagers.</td></tr>
<tr><td></td><td>2.</td><td>The industry has not proposed any water harvesting to replenish the water table as the water requirement of the said plant is on higher side i.e. 1,071 KLD.</td><td>The industrial unit has adopted four (4) ponds for artificial rain water recharging outside of project premises. Out of which two ponds falls in Amloh block of Distt. Fatehgarh Sahib and two ponds falls in Nabha block of Distt. Patiala. Thus, ponds located in the Village Bhadalthuha and Badecha of Amloh Block of District Fatehgarh Sahib have been adopted for rain water recharging. Similarly, ponds located in the Village Akalgarh and Sakrali of Nabha Block of District Patiala. NOC has been obtained from Sarpanch of the respective Villages and copy of the same has been submitted along with rain water recharging proposal.</td></tr>
<tr><td></td><td>3.</td><td>There will be movement of 153 trucks from the industry on daily basis. Therefore, it is required to propose a traffic plan for movement of the trucks and get it approved from</td><td>The project site is located adjacent to SH-12(A). The width of the SH-12A which is sufficient and the movement of the additional trucks due to the proposed project will not cause any traffic issue. Further, adequate parking space has been proposed within the project premises. Parking layout plan of the project has been submitted.</td></tr>
</table>

		the concerned department.	
	4.	The industry has proposed 10 acres land outside the industrial premises in which make plantation under CER/ CSR activities shall be carried out however, the industry is required to submit the detail of the vacant land/ village/ ownership etc. along with the proposal.	Green area of 19,507 sqm (@ 17.73%) has been proposed within the project premises. Further, nearby land will be acquired to meet the criteria of 33% of green area. Undertaking regarding the same submitted.
	5.	As the Industry has proposed to employ local youth, the industry is required to impart the desired skills for better absorption. As such, the industry is required to submit the proposal for in house training in its CSR activity.	The industry will provide 2 months training programme to approx. 200 persons from nearby villages. The technical as well as non-technical training will be provided on the basis of their qualification. The training will involve mechanical training, material loading, Un-loading training, house-keeping etc. After 2 months training, the scrutiny of the trainees will be done by the Management team including HR Dept. and Technical Head. Thereafter, on the basis of the assessment, 100 persons will be finalized and recruited after the operation of the unit and salaries will be given.
	6.	The industry has proposed to establish the unit nearby wildlife sanctuary, as	The industrial unit is located at a distance of 3.5 km from the Bir Bhadson Wildlife Sanctuary. Although the proposed site falls outside of the eco-sensitive zone. But Wildlife Conservation plan has been submitted to the Divisional Forest Office, Patiala. Copy of the letter along with the

		such, the industry is required to obtain permission from concerned authorities.	Wildlife Conservation Plan has been submitted with the EIA report.
	7.	The industry has proposed to adopt village pond in 4 villages namely Bharl, Ghundar, Chehal and Panecha for treatment and utilization of wastewater @ 700 KLD. The industry is required to submit the technology/model being used for treatment of the wastewater in the said villages along with other details.	The industrial unit has already adopted four (4) ponds for artificial rain water recharging outside of project premises located in Villages Bhadalthuha, Badecha, Akalgarh and Sakrali instead of ponds located in the Villages Bharl, Ghundar, Chehal and Panecha. NOC has already been obtained from the Sarpanch of the respective Villages; a copy of the NOCs along with the rainwater recharging proposal has been submitted.
	8.	The industry has to specify the area to be developed as green belt.	Green area of 19,507 sqm (@ 17.73%) has been proposed within the project premises. Further, the nearby land will be acquired to meet the criteria of 33% of green area. Undertaking regarding green area has been submitted.
	9.	The industry has not specified rainwater harvesting scheme for replenishment of ground water within the premises.	The industrial unit has adopted four (4) ponds for artificial rain water recharging outside of project premises. Out of which two ponds falls in Amloh block of Distt. Fatehgarh Sahib and two ponds falls in Nabha block of Distt. Patiala. Thus, ponds located in the Village Bhadalthuha and Badecha of Amloh Block of District Fatehgarh Sahib have been adopted for rain water recharging. Similarly, ponds located in the Village Akalgarh and Sakrali of Nabha Block of District Patiala. NOC has already been obtained from Sarpanch of the respective Villages; copy of the NOCs along with rain water recharging proposal has been submitted.

	10.	The industry must submit a supplementary plan to the competent authority on the above said observations.	As desired, reply of the above points is being incorporated in the final EIA report.

11.	Whether any litigation pending against the project or any direction/order passed by SPCB/Court of Law against the project, if so, details thereof shall also be included.	No litigation is pending against the project. Undertaking in this regard has been submitted.

12. Details of the raw materials given below:

S. No.	Raw Materials	Quantity
1.	Scrap	8,54,000 TPA
2.	DRI (Direct Reduced Iron)	2,14,000 TPA

13. Details of the products given below:

S. No.	Product Name	Quantity
1.	Hot Rolled Coil (HRC)	7,50,000 TPA

14. Details of major machinery given below:

S. No.	Machinery	Quantity
1.	Induction Furnaces	4 × 50 TPH
2.	Ladle Refining Furnace	2 x 55 T
3.	Rolling Mill	1
4.	Reheating Furnace	1× 150 TPH

15.	Manpower requirement	Details of manpower is given below: Total: 1,122 persons. No worker will be residing within project premises.

16. Details of emissions:

S. No.	Source	Fuel	APCD
1.	**Induction Furnaces** (4 × 50 TPH)	Electricity	Dog House Suction Hood followed by cyclone and bag filter.
2.	**Reheating Furnace** (150 TPH)	Heavy Fuel Oil (HFO)	Not required; adequate stack height of 63 m will be provided.

	3.	**DG sets** (3 × 500 kVA & 1 × 250 kVA)	H.S.D	Canopy; 500 kVA DG set = 5 m & 250 kVA DG set = 3 m

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

Hazardous Waste:

S.No.	Waste catagory	Proposed	Disposal
1.	Category 35.1 APCD dust	7.5 TPD	APCD dust will be handed over to our subsidiary unit namely M/s Madhav KRG Environmental Solutions Pvt. Ltd.
2.	Category 5.1 Used oil	1.4 KLA	Given to authorized vendor

Non-Hazardous Waste:

S.No.	Waste	Proposed	Disposal
1.	Slag	91.5 TPD	20% reused for metal recovery & remaining 80% will be given to M/s Madhav KRG Environmental Solution Pvt. Ltd. for co-processing.

18. Solid Waste Generation and its mode of Disposal

S. No.	Type of waste	Total	Disposal
1.	Domestic solid waste	22 kg/day	Solid waste will be disposed off as per Solid Waste Management Rules, 2016

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

S.No.	Description	Total	Mitigation Measures/ Remarks
1.	Domestic wastewater	72 KLD	Will be treated in proposed STP of capacity 90 KLD
2.	Industrial effluent	Nil	--

20. Breakup of Water Requirement & its source in Operation phase:

S. No.	Purpose	Total water demand (KLD)
1.	Make-up water for cooling demand	890
2.	Domestic water demand	90
3.	Green area demand • Summer • Winter • Monsoon	 • 107 • 35 • 10

Source of water:

S. No.	Purposes	Source of water
1.	Make-up water for cooling	Treated and ground water

		demand	
	2.	Domestic water demand	Ground water
	3.	Green area demand	Ground water
21.	Water balance chart for summer, Rainy & Winter seasons	The total water requirement of industry shall be 1087 KLD, out of which 1017 KLD shall be met through ground water and remaining 70 KLD shall be met through treated wastewater. Out of 1017 KLD of abstracted ground water, 820 KLD shall be utilized as make up water for cooling purpose, 90 KLD shall be utilized for meeting domestic water requirement and 107 KLD shall be utilized for development of green area. The total wastewater generation shall be 72 KLD which shall be treated in the STP of capacity 90 KLD. The treated wastewater of quantity 70 KLD shall be utilized as make up water for cooling purpose.	
22.	Rain water utilization proposal during monsoons	Rain water will be collected from rooftop area and stored within the project in a storage tank. The harvested rain water will be reused within the project premises for horticulture or sprinkling in loading & unloading areas.	
23.	Rain Water Harvesting proposal (within/outside premises) along with NOC from concerned village Sarpanch	**Within project premises:** Rain water will be collected from rooftop area and stored within the project in a storage tank. The harvested rain water will be reused within the project premises for horticulture or sprinkling in loading & unloading areas. **Outside project premises:** The industrial unit has adopted four (4) ponds for artificial rain water recharging outside of project premises. Out of which two ponds falls in Amloh block of Distt. Fatehgarh Sahib and two ponds falls in Nabha block of Distt. Patiala. Thus, ponds located in the Village Bhadalthuha and Badecha of Amloh Block of District Fatehgarh Sahib have been adopted for rain water recharging. Similarly, ponds located in the Village Akalgarh and Sakrali of Nabha Block of District Patiala. NOC has already been obtained from Sarpanch of the respective Villages; copy of the NOCs along with rain water recharging proposal has been submitted.	
24.	Block wise details of no. of trees to be planted in	The blockwise green area and no. of trees to be planted are given below:	

	proposed greenbelt area (1500 trees to be planted @ 1000 sqm area):	

Sr. No.	Area Identification	Green area (in acre)	No. of trees
1.	A	5 acre	3,035 trees
2.	B	1.278 acres	776 trees
3.	C	0.87 acres	528 trees
4.	D	1.318 acres	800 trees
5.	E	0.151 acres	92 trees
6.	F	0.060 acres	36 trees
7.	G	0.062 acres	645 trees
8.	H	0.026 acres	16 trees
9.	I	0.035 acres	22 trees

25. a. Energy requirements & savings.

b. Energy saving measures to be adopted within industry:

a. The energy requirement details are given below:

Description	Unit	Proposed
Power load	MVA	99
DG set	kVA	3 × 500 kVA & 1 × 250 kVA

b. **Energy Saving measures to be adopted**:

- LEDs will be provided in place of CFLs.
- Energy efficient Induction Furnaces and other machinery will be installed.

25. EMP Budget details during construction phase:

S. No.	Environmental Protection Measures	Capital Cost (Rs. in lakhs)	Recurring Cost (Rs. in lakhs/year)
1.	Air Pollution Control (Installation of APCD and continuous emission monitoring system)	853	1.5
2.	Water Pollution Control (STP of capacity 90 KLD)	150	2
3.	Noise Pollution Control (Including cost of landscaping & green belt and provision of acoustic enclose for DG sets and ear plus etc. for	10	1.5
4.	Solid Waste Management (management & disposal of domestic solid waste, slag and Hazardous waste)	3	0.5
5.	Environment Monitoring & Management	3	5

6.	Health, Safety & Risk Assessment (Medical check-up, ESI and PPE kit for workers)	8	1
7.	Miscellaneous	5	0.5
Total		**Rs. 1,032 Lakhs**	**Rs. 12 Lakhs**

EMP Budget details during Operation phase:

S. No.	Environmental Protection Measures	Recurring Cost (Rs. in lakhs/year)
1.	Air Pollution Control	10
2.	Water Pollution Control	10
3.	Noise Pollution Control	3
4.	Solid Waste Management	1.5
5.	Environment Monitoring & Management	5
6.	Health, Safety & Risk Assessment	1
7.	Rain Water Harvesting within project premises	1.5
8.	Miscellaneous	0.5
Total		**Rs. 32.5 Lakhs**

A duly constituted EMC comprises the following:
1. Director
2. Manager (Works)
3. Environment Consultant

26. CER Activities

Following activities will be undertaken as CER including issues raised during public hearing:

CER activities

Sr. No.	Activities	Total Expenditure	Timeline	Total Expenditure (in lakhs)
1.	Maintenance of 2 ponds adopted in Village Bhadalthuha and Badecha of Nabha Block	Rs. 20 lakhs per pond	2 years	Rs. 40 lakhs
2.	Maintenance of 2 ponds adopted in Village Akalgarh & Sakrali of Block Amloh	Rs. 20 lakhs per pond	2 years	Rs. 40 lakhs
Total		**Rs. 80 lakhs**		**Rs. 80 lakhs**

CER activities to be undertaken as per proceedings of public hearing

S. No.	Activities	Total Expenditure	Timeline (From date of grant of EC)	Total Expenditure (in lakhs)
1.	Plantation drives in nearby villages	Rs. 2 lakhs	2 years	Rs. 2 lakhs
2.	Maintenance of pond located in Village Bhamarsi Jher based on Seechewal model	Rs. 25 lakhs	2 years	Rs. 25 lakhs
3.	**Education:** • Providing uniforms, books etc. to needy students and repair of Primary School building located in Village Chehal. • Providing uniforms, books etc. to needy students of the nearby Villages	Rs. 10 lakhs Rs. 10 lakhs	2 years 2 years	Rs. 10 lakhs Rs. 10 lakhs
Total		**Rs. 47 lakhs**		**Rs. 47 lakhs**

During the meeting, the Project Proponent submitted a copy of the letter issued by the Senior Town Planner, Housing & Urban Development Department, wherein it has been mentioned that the site of the project measuring total land area of 12.7125 acres in Village Akalgarh and 9.087 acres in Village Bhagwanpura falls in the local planning area of Nabha & Amloh. Further, as per notification No. PS/PSHUD/206 dated 12.11.2021, separate CLU approval for setting up of stand-alone industry is not required subject to the conditions mentioned in the notification. However, as per the said notification, the industry is required to apply for approval of building plans to the Department of Housing & Urban Development. Furthermore, the industry was also advised not to start any construction on the site till the approval of the building plan. The Committee perused the said letter and took a copy of the same on record.

The Project Proponent informed that he has applied for obtaining NOC from the Department of Forest & Wild Life for providing the approach road to the project site. During discussions, it was transpired that the project proponent has not applied an online application for getting the forest clearance for the approach road to the project site. The Committee asked the Project Proponent

to submit an online application for forest clearance and intimate the status along with necessary supporting documents from the concerned Forest Authorities, in compliance with O.M. dated 09.09.2011 issued by MoEF&CC, GOI.

The Committee examined that the green area proposed to be developed within the premises of the industry is 19507 sqm out of a total land area of 109548 sqm., which comes out to be 17.78% only. In this regard, the Project Proponent informed the Committee that either the additional land area shall be purchased or revise the proposal for setting up of the proposed unit, to meet the criteria of 33% green area.

The Project Proponent submitted a copy of acknowledgment for obtaining permission from PWRDA for the abstraction of ground water. The Committee perused the same and took a copy of the same on record.

The Project Proponent informed that separate APCDs of capacity 3 lac Nm^3/hr each shall be installed on 4 induction furnaces of 50 TPH each. Further, the separate APCDs of capacity 50,000 Nm^3/hr each shall be installed on 2 ladle refining furnaces of 55-ton capacity each. The Committee observed that the capacity of APCD to be installed on the induction furnaces & ladle refining furnaces seems to be on the lower side. The Committee asked the project proponent to provide a detailed calculation for estimating the air handling capacity of APCD for induction furnaces as well as ladle refining furnaces.

The Project Proponent informed that a total quantity of 91.5 TPD of slag shall be generated from the industry. Out of said quantity, 20% of slag shall be reused for metal recovery & remaining 80% will be given to M/s Madhav KRG Environmental Solution Pvt. Ltd. for co-processing. Further, a total quantity of 7.5 TPD of APCD dust shall be generated from the industry and the same shall be given to M/s Madhav KRG Environmental Solution Pvt. Ltd. The Committee observed that the industrial units of a similar type established in Mandi Gobindgarh have also proposed to dispose of their slag and APCD Dust to M/s Madhav KRG Environmental Solution Pvt. Ltd. Further, the unit of M/s Madhav KRG Environmental Solution Pvt. Ltd is not having the adequate capacity to further take care of APCD Dust. Further, the project proponent has not submitted any scheme for the disposal of slag. The Committee asked the Project Proponent to submit the detailed plan for the disposal of APCD Dust and slag by indicating that the existing unit of M/s Madhav KRG Environmental Solution Pvt. Ltd is adequate enough to take care of further dust being generated by steel units located in Mandi Gobindgarh, Khanna & Ludhiana.

The Committee observed that the capital as well as recurring cost proposed for development of green belt and capital cost proposed to be spent for RWH was found to be on the lower side. The Committee asked the Project Proponent to revise the same.

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

1. The Project Proponent shall submit an approved building plan for the total land area of 12.7125 acres in Village Akalgarh and 9.087 acres in Village Bhagwanpura from the Department of Housing & Urban Development, Punjab.
2. The Project Proponent shall submit an online application for forest clearance and intimate the status along with necessary supporting documents from the concerned Forest Authorities, in compliance with O.M. dated 09.09.2011 issued by MoEF&CC, GOI.
3. The Project Proponent shall submit the proposal to meet the requirement of 33% green area.
4. The Project Proponent shall submit detailed calculation for estimating the air handling capacity of APCD proposed for induction furnaces as well as laddle refining furnaces.
5. The Project Proponent shall submit the detailed plan for the disposal and treatment of APCD Dust and slag in the unit of M/s Madhav KRG Environmental Solution Pvt. Ltd with material balance.
6. The Project Proponent shall submit the proposal for harvesting roof top rainwater & using it for horticulture and loading & unloading areas.
7. The Project Proponent shall submit the revised Environment Management Plan after taking into account the total cost (capital & recurring) to be incurred on green belt development and rain water harvesting system.

A complaint has been received from the residents of village Bhagwanpura, Block Amloh, District Fatehgarh Sahib on 16.03.2022 vide which it was informed that the industry namely M/s Madhav KRG Group has purchased land area in the village Bhagwanpura to setup an industrial unit and started constructing the boundary wall along its project site. Due to the construction of this wall, the rainy water shall get stagnated in the land area of about 150 to 200 acres which shall damage the crop fields. The Complainants requested to take statutory action against the industry and requested to not to issue any certificate from environmental angle. The relevant portion of the complaint is as under:

"ਨਿਮਰਤਾ ਸਹਿਤ ਬੇਨਤੀ ਹੈ ਕਿ ਅਸੀ ਸਮੂਹ ਨਿਵਾਸੀ ਪਿੰਡ ਭਗਵਾਨਪੁਰਾ ਤਹਿਸੀਲ ਅਮਲੋਹ ਜ਼ਿਲਾ ਫਤਿਹਗੜ੍ਹ ਸਾਹਿਬ ਦੇ ਰਹਿਣ ਵਾਲੇ ਹਾਂ ਅਤੇ ਅਮਨ ਪਸੰਦ ਨਾਗਰਿਕ ਹਾਂ। ਸਾਡਾ ਪਰਿਵਾਰਕ ਕਿੱਤਾ ਖੇਤੀਬਾੜੀ ਹੈ ਅਤੇ ਸਾਡੇ ਖੇਤਾਂ ਵਿੱਚੋਂ ਬਰਸਾਤੀ ਪਾਣੀ ਦਾ ਨਿਕਾਸ ਹੁੰਦਾ ਹੈ, ਜੋ ਕਿ ਪਿੰਡ ਭੱਦਲਥਖੁਹਾ ਅਤੇ ਹੋਰ ਕਈ ਪਿੰਡਾਂ ਦਾ ਬਰਸਾਤੀ ਪਾਣੀ ਇਕੱਠਾ ਹੋ ਕੇ ਅਮਲੋਹ-ਨਾਭਾ ਸੜ੍ਹਕ ਰਾਹੀਂ ਅਗੇ ਵੱਲ ਨੂੰ ਜਾਂਦਾ ਹੈ। ਇਸ ਤਰ੍ਹਾਂ ਇਕੱਠਾ ਹੋਇਆ ਬਰਸਾਤੀ ਪਾਣੀ ਅਗੇ ਵੱਲ ਨੂੰ ਚਲਾ ਜਾਂਦਾ ਹੈ ਅਤੇ ਫਸਲਾਂ ਦਾ ਨੁਕਸਾਨ ਹੋਣੋ ਬਚ ਜਾਂਦਾ ਰਿਹਾ ਹੈ।

ਇਹ ਕਿ ਕੁਝ ਅਰਸੇ ਤੋਂ ਉਕਤ ਫੈਕਟਰੀ ਟੋਲ ਪਲਾਜ਼ਾ ਪਿੰਡ ਅਕਾਲਗੜ੍ਹ ਨਜ਼ਦੀਕ ਹੋਂਦ ਵਿੱਚ ਆਈ ਹੈ, ਜਿਸ ਨੇ ਹੁਣ ਕਈ ਏਕੜ੍ਹ ਹੋਰ ਜ਼ਮੀਨ ਫੈਕਟਰੀ ਵਾਸਤੇ ਖਰੀਦ ਕਰ ਲਈ ਹੈ ਅਤੇ ਨਵੇਂ ਨਵੇਂ ਯੂਨਿਟ ਲਗਾਉਣੇ ਸ਼ੁਰੂ ਕਰ ਦਿੱਤੇ ਅਤੇ ਖਰੀਦ ਕੀਤੀ ਹੋਈ ਜ਼ਮੀਨ ਵਾਕਿਆ ਪੰਡ ਭਗਵਾਨਪੁਰਾ ਤਹਿਸੀਲ ਅਮਹੋਰ ਜ਼ਿਨਾ ਫਤਿਹਗੜ੍ਹ ਸਾਹਿਬ ਵਿੱਚ ਕੰਧ ਬਣਾ ਰਹੇ ਹਨ ਅਤੇ ਕਾਫੀ ਕੰਧ ਬਣਾਈ ਵੀ ਜਾ ਚੁੱਕੀ ਹੈ, ਜਿਸ ਕਾਰਣ ਬਰਸਾਤੀ ਪਾਣੀ ਦਾ ਨਿਕਾਸ ਬਿਲਕੁਲ ਰੁਕ ਜਾਵੇਗਾ ਅਤੇ ਪਿੰਡ ਭਗਵਾਨਪੁਰਾ ਦੀ ਕਰੀਬ 150 ਤੋਂ 200 ਏਕੜ੍ਹ ਦੇ ਰਕਬਾ ਪ੍ਰਭਾਵਿਤ ਹੋਵੇਗਾ ਅਤੇ ਹਰ ਸਾਲ ਬਰਸਾਤੀ ਪਾਣੀ ਇਸ ਰਕਬੇ ਵਿੱਚ ਤਬਾਹੀ ਮਚਾਏਗਾ ਜੋ ਆਰਥਿਕ ਨੁਕਸਾਨ ਦੇ ਨਾਲ ਨਾਲ ਜਾਨੀ ਨੁਕਸਾਨ ਵੀ ਪਹੁੰਚਾਏਗਾ। ਕਿਉਂਕਿ ਉਕਤ ਬਰਸਾਤ

ਦੇ ਕੁਦਰਤੀ ਪਾਣੀ ਦੇ ਵਹਿਣ ਨੂੰ ਇਸ ਤਰ੍ਹਾਂ ਰੋਕਿਆ ਜਾਣਾ ਕਿਸੇ ਵੀ ਤਰ੍ਹਾਂ ਜਾਇਜ਼ ਨਹੀਂ ਹੈ ਅਤੇ ਉਕਤ ਫੈਕਟਰੀ ਵਲੋਂ ਸ਼ਰੇਆਮ ਗੈਰਕਾਨੂੰਨੀ ਅਤੇ ਜਬਰੀ ਤੌਰ ਤੇ ਬਰਸਾਤੀ ਪਾਣੀ ਦੇ ਨਿਕਾਸ ਨੂੰ ਰੋਕਿਆ ਜਾ ਰਿਹਾ ਹੈ ਅਤੇ ਵਾਤਾਵਰਣ ਸਬੰਧੀ ਨਿਯਾਰਤ ਨਿਯਮਾਂ ਅਤੇ ਕਾਨੂੰਨ ਨੂੰ ਛਿੱਕੇ ਤੇ ਟੰਗ ਕੇ ਜਿਥੇ ਵਾਤਾਵਰਣ ਵਿੱਚ ਅਸਾਂਵਾਂ-ਪਣ ਪੈਦਾ ਕੀਤਾ ਜਾ ਰਿਹਾ ਹੈ, ਉਥੇ ਨਿੱਜੀ ਮੰਤਵਾਂ ਦੀ ਪੂਰਤੀ ਵਾਸਤੇ ਕੁਦਰਤ ਨਾਲ ਵੀ ਸ਼ਰੇਆਮ ਛੇੜ-ਛਾੜ ਕੀਤੀ ਜਾ ਰਹੀ ਹੈ। ਬਰਸਾਤੀ ਪਾਣੀ ਦੇ ਨਿਕਾਸ ਨੂੰ ਰੋਕਣ ਨਾਲ ਜਿਥੇ ਕਿਸਾਨਾਂ ਦਾ ਫਸਲਾਂ ਪ੍ਰਭਾਵਿਤ ਹੋਵੇਗਾ, ਉਧੇ ਬਿਮਾਰੀਆਹੀ ਵੱਡੇ ਪੱਧਰ ਤੇ ਫੈਲ ਸਕਦੀਆਹਨ,ਜਿਸ ਲਈ ਸਿੱਧੇ ਤੌਰ ਤੇ ਉਕਤ ਫੈਕਟੀਰ ਅਤੇ ਫੈਕਟਰੀ ਦੇ ਪ੍ਰਬੰਧਕ ਜਿੰਮੇਵਾਰ ਹੋਣਗੇ। ਜਦੋਂ ਕਿ ਨਿਯਮਾਂ ਮੁਤਾਬਕ ਉਕਤ ਯੂਨਿਟਾਂ ਦੀ ਉਸਾਰੀ ਕਰਨ ਤੋਂ ਪਹਿਲਾਂ ਪਹਿਲਾਂ ਬਰਸਾਤੀ ਪਾਣੀ ਦੇ ਕੁਦਰਤੀ ਵਹਾਅ ਮੁਤਾਬਕ ਨਿਕਾਸੀ ਦੇ ਪ੍ਰਬੰਧ ਕੀਤੇ ਜਾਣੇਜ਼ਰੂਰੀ ਸਨ।

ਇਹ ਕਿ ਉਕਤ ਫੈਕਟਰੀ ਵਲੋਂ ਜ਼ਮੀਨ ਖਰੀਦਣ ਉਪਰੰਤ ਨਵੇਂ ਨਵੇਂ ਯੂਨਿਟਾਂ ਦੀਆਉਸਾਰੀ ਸਮੇਂ ਬਰਸਾਤੀ ਪਾਣੀ ਦੇ ਨਿਕਾਸ ਵਾਸਤੇ ਕਿਸੇ ਤਰ੍ਹਾਂ ਦਾ ਕੋਈ ਪ੍ਰਬੰਧ ਨਹੀਂ ਕੀਤਾ ਗਿਆ ਅਤੇ ਨਾ ਹੀ ਕੋਈ ਠੋਸ ਯੰਜਨਾ ਬਣਾਈ ਗਈ ਹੈ ਅਤੇ ਨਾ ਹੀ ਇਸ ਸਬੰਧੀ ਪਿੰਡ ਵਾਸੀਆਨੂੰ ਭਰੋਸੇ ਵਿੱਚ ਲਿਆ ਗਿਆ ਹੈ, ਸਗੋਂ ਫੈਕਟਰੀ ਵਲੋਂ ਚੁੱਪ ਚਪੀਤੇ ਹੀ ਕਾਗਜ਼ੀ ਕਾਰਵਾਈ ਪੂਰੀ ਕਰਨ ਵਾਸਤੇ ਕੁਝ ਵਿਖਤੀਆਹੇ ਦਸਤਖਤ ਅੰਗੂਠੇ ਕਰਵਾ ਲਏ ਹਨ। ਫੈਕਟਰੀ ਦੇ ਪ੍ਰਬੰਧਕਾਂ ਵਲੋਂ ਅਫਸਰ-ਸ਼ਾਹੀ ਅਤੇ ਸਿਆਸੀ ਰਸੂਖ ਵਰਤਦੇ ਹੋਏ ਉਕਤ ਮਾਮਲੇ ਵਿਚ ਜ਼ਾਬਤੇ ਮੁਤਾਬਕ ਹੁੰਦੀ ਆਮ ਸੁਣਵਾਈ ਵੀ ਚੁੱਪ ਚਪੀਤੇ ਨੇਪਰੇ ਚਾੜ੍ਹੀ ਗਈ ਹੈ, ਸੁਣਵਾਈ ਸਿਰਫ਼ ਕਾਗਜ਼ੀ ਤੌਰ ਤੇ ਕੀਤੀ ਗਈ ਹੈ ਅਤੇ ਗਾਹੇ ਬਗਾਹੈ ਕੁਝ ਪਿੰਡ ਵਿਅਕਤੀ ਅਤੇ ਕੁਝ ਵਿਅਕਤੀਆਹਾਸੇਂ ਗੁੰਮਰਾਹ ਫੁਸਲਾ ਕੇ ਹਸਤਾਖਰ ਕਰਵਾ ਲਏ ਹਨ। ਜਦੋਂ ਕਿ ਉਕਤ ਫੈਕਟਰੀ ਦੇ ਨਵੇਂ ਯੂਨਿਟਾਂ ਦੀ ਉਸਾਰੀ ਲਈ ਬਰਸਾਤੀ ਪਾਣੀ ਦੇ ਪਹਿਲਾਂਹੀ ਠੋਸ ਪ੍ਰਹੰਧ ਕੀਤੇ ਜਾਣੇ ਜ਼ਰੂਰੀ ਸਨ। ਆਮ ਕਿਸਾਨਾਂ ਅਤੇ ਰਿਹਾਇਸ਼ੀ ਖੇਤਰਾਂ ਵਿੱਚ ਰਹਿਣ ਵਾਲੇ ਲੋਕਾਂ ਦਾ ਬਰਸਾਤੀ ਪਾਣੀ ਕਾਰਣ ਅਗਰ ਜਾਨ ਵ ਮਾਲ ਦਾ ਨੁਕਸਾਨ ਹੋਇਆ ਤਾਂ ਜਿਥੇ ਫੈਕਟਰੀ ਸਿੱਧੇ ਤੌਰ ਤੇ ਜ਼ਿੰਮੇਵਾਰ ਹੋਵੇਗੀ, ਉਥੇ ਫੈਕਟਰੀ ਦੇ ਪ੍ਰਬੰਧਕਾਂ ਦੇ ਨਾਲ ਨਾਲ ਨਾ ਇਤਰਾਜ਼ ਸਰਟੀਫਿਕੇਟ ਜਾਰੀ ਕਰਨਾ ਵਾਲੀਆਸਰਕਾਰੀ ਸੰਸਥਾਵਾਂ ਵੀ ਜ਼ਿੰਮੇਵਾਰ ਹੋਣਗੀਆ। ਉਕਤ ਮਾਮਲੇ ਸੰਬਧੀ ਜੋ ਆਮ ਸੁਣਵਾਈ ਤੌਰਾਨ ਪਹਲਿਕ ਦੇ ਆਮ ਇਤਰਾਜ਼ ਲਏ ਜਾਂਦੇ ਹਨ, ਸਾਰੇ ਸਬੰਧਤ ਲੋਕਾਂ ਨੂ ਇਨ੍ਹਾਂ ਤੋਂ ਵਾਂਝੇ ਰੱਖਿਆ ਗਿਆ ਹੈ ਅਤੇ ਚੁੱਪ ਚਪੀਤੇ ਸਾਰੀਆਕਾਰਵਾਈਆਪ੍ਰੀਭਾਵਿਤ ਲੋਕਾਂ ਨੂੰ ਭਰੋਸੇ ਵਿਚੋਂ ਲਏ ਬਿਨਾਂ ਹੀ ਨੇਪਰੇ ਚਾੜ੍ਹੀਆਗਈਆਅਤੇ ਲੋਕਾਂ ਨੂੰ ਲੋਕਾਂ ਦੇ ਮੁਢਲੇ ਅਧਿਕਾਰਾਂ ਤੋਂ ਉਕਤ ਫੈਕਟਰੀ ਮਾਲਕਾਂ ਨੇ ਆਪਣੇ ਅਸਰ ਰਸੂਖ ਵਰਤ ਕੇ ਵਾਂਝੇ ਰੱਖਿਆ ਗਿਆ ਹੈ। ਜਿਸ ਕਰਕੇ ਉਕਤ ਮਾਮਲੇ ਦੀ ਉਚ ਪੱਧਰੀ ਜਾਂਚ ਪੜਤਾਲ ਮੌਕੇ ਪਰ ਹੋਣੀ ਅਤਿ ਜ਼ਰੂਰੀ ਹੈ।"

2.0 Deliberations during 217th meeting of SEAC held on 28.03.2022.

The meeting was attended by the following:
(i) Mr Sachin Pathak, Deputy Manager on the behalf of Project Proponent.
(ii) Mrs. Jyoti Rani, EIA Coordinator, M/s Eco laboratories Pvt Ltd.
(iii) Mrs. Simranjit Kaur, EIA Coordinator, M/s Eco laboratories Pvt. Ltd.

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

Sr. No.	Observations	Reply given by the Project Proponent
1.	The Project Proponent shall submit approved building plan for the total land area of 12.7125 acres in Village Akalgarh and 9.087 acres in	The land use of the area (27.07 acres) proposed for setting up of an industrial unit falls in industrial zone as per the Master Plan. Further, the application for approval of building plan has already been submitted to Punjab Bureau of Investment & Promotion (PBIP).

	Village Bhagwanpura from the Department of Housing & Urban Development, Punjab.	A copy of the application submitted to PBIP submitted to the Committee.
2.	The Project Proponent shall submit online application for forest clearance and intimate the status along with necessary supporting documents from the concerned Forest Authorities, in compliance of O.M. dated 09.09.2011 issued by MoEF&CC, GOI.	Application has been filed online vide proposal no. FP/PB/Approach/153259/2022 dated 07.03.2022 for obtaining Forest Clearance. A copy of the complete application filed with the Department of Forest & Wildlife submitted.
3.	The Project Proponent shall submit the proposal to meet the requirement of 33% green area.	As per earlier proposal, 4 No. of induction furnaces of capacity 50 TPH each, 2 No. of Continue Caster Machine (CCM) of capacity 70 TPH each, 2 LRF of capacity 55 Ton each & 1 reheating furnace of capacity 150 TPH was proposed to be installed. However, now the industry has changed its planning and now proposed to install 3 Induction Furnaces of capacity 50 TPH each, 1 CCM of capacity 110 TPH, 1 LRF of capacity 55 Ton & 1 No. of reheating furnace of capacity 150 TPH. Due to the revised proposal, the industry can now develop 33.5 % of green area instead of earlier 17.8 % green area within the project premises. The revised landscape plan showing the green area submitted.
4.	The Project Proponent shall submit detailed calculation for estimating the air handling capacity of APCD proposed for induction furnaces as well as ladle refining furnaces.	Separate APCDs for 3 Induction Furnaces of capacity 50 TPH each will be installed. The flue gas emission handling capacity of each APCD comprising dog house suction system followed by bag house filter shall be 3,20,000 m3/hr. The designed value of the volumetric gas flowrate at the inlet of the suction system is as under: *18m/sec (assumed flue gas velocity) x (3.14 x 2.5 x 2.5 / 4) x 3600= 317925 m3/hr rounded of to 320,000 m3/hr* Further, the flue gas emission handling capacity of the suction system installed to contain fume and dust emission generated during operation of ladle refining furnace shall be 32,555 m3/hr. The designed value of

		the volumetric gas flowrate at the inlet of the suction system is as under: *18m/sec (assumed flue gas velocity) x (3.14 x 0.8 x 0.8 / 4) x 3600= 32555 m3/hr.*
5.	The Project Proponent shall submit the detailed plan for the disposal and treatment of APCD Dust and slag in the unit of M/s Madhav KRG Environmental Solution Pvt. Ltd. with material balance.	The proposal has now been revised and as per the amended proposal, the production capacity shall be 7,50,000 TPA instead of 9,50,000 TPA. Accordingly, the dust generation shall be reduced from 7.5 TPD to 6 TPD and slag generation shall also be reduced from 91.5 TPD to 70 TPD. APCD dust will be processed by the sister concern unit M/s Madhav KRG Environmental Solutions Private Limited for Zinc recovery. The present capacity of this unit is 36 TPD and consent for the same has also been obtained from PPCB. Presently, the unit is running at 50% capacity as they are getting around 5 TPD of dust from M/s Madhav KRG Ltd. and approximately 10 TPD from Mandi Gobindgarh & Ludhiana induction furnace units. Further, the existing plant is sufficient to take care 6 TPD of dust from M/s Madhav KRG HRC Pvt. Ltd. Further, an additional plant to handle 30 TPD of dust will also be installed in coming one year to handle the dust generated from our own plants and other steel units of Mandi Gobindgarh & Khanna. The details of Plants with whom agreement have already been done for dust collection has also been submitted. As per the material balance of APCD dust submitted by the Project Proponent: ➢ 35 % zinc recovery, which is sold to the market. ➢ 45% insoluble oxides containing iron contents shall be sent to Steel Melting Shop (SMS) Division. ➢ 2 - 2.5 % oxides of lead & copper shall be disposed of to authorized recycler/TSDF facility. ➢ 15 - 20% are burning losses during calcination. The by-product of insoluble oxides containing iron contents.

<table>
<tr><td></td><td></td><td>Slag generated from the unit shall be processed in the sister concern unit M/s Madhav KRG Environmental Solutions Private Limited. The slag generated in the form of solid lumps is crushed with the crusher of capacity 10 TPH/200 TPD to form sand having size 2-4 mm particle size. 4% of iron metal is recovered from the crushed slag which shall be reused within project premises. The remaining 96% of crushed slag shall be given to construction company (M/s Kuwar Builders & Developers, Mohali and M/s SV Civil Infratech, Zirakpur) for mixing in cement to the tune of 20-30%. Material balance for slag along with copy of agreements with vendors for collecting sand has been submitted.</td></tr>
<tr><td>6.</td><td>The Project Proponent shall submit the proposal for harvesting roof top rainwater & using it for horticulture and loading & unloading areas.</td><td>Rain water will be collected from rooftop area of the proposed sheds for rain water harvesting within project premises and collected water will be reused for horticulture and sprinkling at loading & un-loading areas for dust suppression. Detailed rain water harvesting and recharging proposal submitted.</td></tr>
<tr><td>7.</td><td>The Project Proponent shall submit the revised Environment Management Plan after taking into account the total cost (capital & recurring) to be incurred on green belt development and rain water harvesting system.</td><td>The details of the capital cost and recurring cost for the activities proposed under the EMP is as under:
<table>
<tr><th>Sr. No.</th><th>Environmental Protection Measures</th><th>Capital Cost (In Lakhs)</th><th>Recurring Cost (In Lakhs</th></tr>
<tr><td>1.</td><td>APCD</td><td>853</td><td>2.5</td></tr>
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<tr><td>7.</td><td>Health, Safety & Risk Assessment (PPE Kit for workers)</td><td>5</td><td>1</td></tr>
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		8.	Rain water harvesting system	8	0.5
		9.	Miscellaneous	5	0.5
		Total		**Rs. 1,087 Lakhs**	**Rs. 69 Lakhs**

During meeting, the Committee apprised the Project Proponent regarding the complaint filed by the residents of Village Bhagwanpur, Block Amloh, District Fatehgarh Sahib against the establishment of the industry. The complainant alleged in the complaint that the industry has started constructing boundary wall along its project site. Due to construction of said wall, the rainy water will get stagnated in the land area of 150 to 200 acres which shall damage the crop fields.

In this regard, the Project Proponent informed the Committee that the industry has already constructed a drain along the boundary of the project for providing a proper drainage system and the outfall of the said drain is leading to a storm water drain laid along State Highway 12A to address the problem of water logging in the agricultural fields. The Project Proponent informed the Committee that an investment of 2 Crore has already been spent for the construction of the drain and submitted a copy of the drawing of the drain for the disposal of storm water. The Committee noted the same.

The Committee was satisfied with the presentation and reply given by the Project Proponent and after detailed deliberations, SEAC decided to award 'Silver Grading' to the project proposal under category B1, Activity 3 (a) and to forward the application to SEIAA with the recommendations to grant Environmental Clearance for establishment of steel manufacturing unit “M/s Madhav KRG HRC Pvt. Ltd.” for production capacity of 7,50,000 TPA of Hot Rolled Coil (HRC) at Village Akalgarh & Bhagwanpura, Amloh-Bhadson Road, Near Toll Plaza, Tehsil Nabha & Amloh, Distt. Patiala & Fatehgarh Sahib, Punjab, as per the details mentioned in the application proposal & subsequent presentation /clarifications made by the project proponent and his consultant subject to the following conditions and special conditions as under: -

Special Conditions:

1. The industry shall submit the approved building plan for the total land area of 27.07 acres within six months.
2. The industry shall install an online monitoring system at the inlet as well as at the outlet of each APCD for monitoring SPM.

I. Statutory compliance

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

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

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

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

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

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

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

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

II. Air quality monitoring and preservation

i. The project proponent shall install 24x7 continuous emission monitoring system at the inlet as well as at the outlet (stack) of each APCD to monitor the SPM concentration with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R 277 (E) dated 31st March, 2012 (applicable to IF/EAF) as amended from time to time; S.O. 3305 (E) dated 7th December, 2015 (Thermal Power Plants) as amended from time to time) and connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.

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

iii. The project proponent shall install a system to carry out Manual Ambient Air Quality monitoring for parameters relevant to the main pollutants released (e.g. PM_{10} and $PM_{2.5}$ in reference to PM emission, and SO_2 and NOx in reference to SO_2 and NO_x emissions) within and outside the plant area (at least at four locations one within and three outside the plant area at an angle of 120° each), covering upwind and downwind directions.

iv. The project proponent shall submit monthly summary report of continuous stack emission and air quality monitoring and results of manual stack monitoring and manual monitoring of air quality/ fugitive emissions to the Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.

v. Appropriate Air Pollution Control (APC) system shall be provided for all the dust-generating points including fugitive dust from all vulnerable sources.

vi. The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.

vii. Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, etc. regularly.

viii. Recycle and reuse of iron ore fines, coal and coke fines, lime fines and such other fines collected in the pollution control devices and vacuum cleaning devices in the process after briquetting/ agglomeration should be ensured.

ix. The project proponent shall use leak-proof trucks/dumpers carrying coal and other raw materials and cover them with tarpaulin.

x. The project proponent shall provide covered sheds for raw materials like scrap and sponge iron, lump ore, coke, coal, etc.

xi. The project proponent shall provide primary and secondary fume extraction system at all melting furnaces.

xii. Design and implementation of the ventilation system for adequate air changes as per the ACGIH document for all tunnels, motor houses, Oil Cellars should be ensured.

III. Water quality monitoring and preservation

i. The project proponent shall monitor regularly ground water quality at least twice a year (pre and post-monsoon) at sufficient numbers of piezometers/ sampling wells in the plant and adjacent areas through labs recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories.

ii. Garland drains and collection pits shall be provided for each stock pile to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run off.

iii. The project proponent shall practice rainwater harvesting to the maximum possible extent. For this, rain water harvesting shall be carried out at 4 no. of ponds at village Bhadalthua, Village Badecha, Village Akalgarh & Village Sakrali Mandi Gobindgarh having total recharge potential of volume @ 52,8117 m^3 to recharge the water @ 26,4059 m^3/annum. As an additional safety measure, the stream carrying waste water of the village shall be diverted in one corner of Phytorid plants trench (designed based on the technology developed by CSIR-NEERI's) divided into different parts, the overflow of each chamber shall be allowed to enter into another chamber which will ultimately lead to the purification of water and collected into the pond to avoid any contamination of ground water aquifer. Pond water will percolate through natural strata (without injection) to augment the ground water and remaining water shall be used for irrigation purposes by pumping method in the nearby fields.

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

IV. Noise monitoring and prevention

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

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

V. Energy Conservation measures

i. The project proponent shall practice hot charging of slabs and billets/blooms as far as possible.

ii. The project proponent shall provide solar power generation on rooftops of buildings, solar light system for all common areas, street lights, parking around project area and maintain the same regularly.

iii. The project proponent shall provide the for LED lights in their offices and residential areas.

iv. The Project Proponent shall practice hot charging of slabs and billets/blooms as far as possible.

VI. Waste management

i. Used refractories shall be recycled as far as possible.

ii. 100% utilization of fly ash shall be ensured. All the fly ash shall be provided to cement and brick manufacturers for further utilization and Memorandum of Understanding in this regard shall be submitted to the Ministry's Regional Office.

iii. The waste oil, grease and other hazardous waste shall be disposed of as per the Hazardous & Other waste (Management & Transboundary Movement) Rules, 2016.

iv. Kitchen waste shall be composted or converted to biogas for further use.

VII. Green Belt

i. Green belt shall be developed in an area of 36798.86 Sqm (9.09 acres) (equal to 33.5% of the plant area) with native tree species in accordance with SEIAA guidelines. Total 5505 tall saplings (minimum 6 feet height) of indigenous species such as Neem, Drek, Kusum, Kadam, Banyan, Peepal, Amaltas, Arjun, Chakarasia etc will be planted.

VIII. Public hearing and Human health issues

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

ii. The project proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms of Factory Act.

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

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

v. The project proponent shall carry out the activities apart from CER activities and spent an amount as commuted during the public hearing as per the public hearing action plan.

IX. Environment Management Plan

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

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

iii. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and will not be diverted for any other purpose. The project proponent shall spend a minimum amount of Rs 1086 Lakhs towards the capital cost and Rs 69 Lakhs/annum towards recurring cost including the environmental monitoring cost for the implementation of EMP as proposed in EMP plan as under:

Sr. No.	Environmental Protection Measures	Capital Cost (In Lakhs)	Recurring Cost (In Lakhs
1.	APCD	853	2.5
2.	Water Pollution Control (STP of capacity 90 KLD)	150	2
3.	Noise Pollution Control	5	2
4.	Green belt development	55	55 (for 3 years)
5.	Solid waste management	3	0.5
6.	Environment Monitoring & Management	3	5
7.	Health, Safety & Risk Assessment (PPE Kit for workers)	5	1
8.	Rain water harvesting system	8	0.5

9.	Miscellaneous	5	0.5
Total		**Rs. 1,087 Lakhs**	**Rs. 69 Lakhs**

CER activities to be undertaken as per proceedings of public hearing

Sr. No.	Activities	Total Expenditure	Timeline (From date of grant of EC)	Total Expenditure (in lakhs)
1.	Plantation drives in nearby villages	Rs. 2 lakhs	2 years	Rs. 2 lakhs
2.	Maintenance of pond located in Village Bhamarsi Jher based on Seechewal model	Rs. 25 lakhs	2 years	Rs. 25 lakhs
3.	**Education:** • Providing uniforms, books etc. to needy students and repair of Primary School building located in Village Chehal. • Providing uniforms, books etc. to needy students of the nearby Villages	Rs. 10 lakhs Rs. 10 lakhs	2 years 2 years	Rs. 10 lakhs Rs. 10 lakhs
Total		**Rs. 47 lakhs**		**Rs. 47 lakhs**

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

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

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

X. Validity

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

XI. Miscellaneous

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

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

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

iv. The project proponent shall monitor the criteria pollutants level namely; PM_{10}, SO_2, NO_x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.

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

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

vii. The project proponent shall inform the Regional Office of the Ministry and PPCB, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.

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

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

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

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

XII. Additional Conditions:

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

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

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

iv. The Project Proponent shall install online monitoring system at inlet as well as at the outlet of each APCD for monitoring SPM.

v. The Project Proponent shall submit compliance of the action plan proposed to address the public hearing issues along with the six-monthly compliance report of EC condition on Parivesh portal.

2.0 Deliberations during the 204th meeting of SEIAA held on 12.04.2022.

The case was considered by SEIAA in its 204th meeting held on 12.04.2022 which was attended by the following:

(i) Mr. Sachin Pathak, Deputy Manager on behalf of Project Proponent.
(ii) Ms. Simranjit Kaur and Ms. Jyoti Rani, EIA Coordinator, M/s Eco Laboratories Pvt. Ltd.

SEIAA observed that forest land having an area of 0.0212 ha is involved in the approach road of the project site for which online application vide proposal no. FP/PB/Approach/153259/2022 dated 07.03.2022 has been submitted for obtaining stage-1 clearance under Forest Conservation Act, 1980. The project proponent was informed that as per the guidelines issued by MoEF&CC, Environmental Clearance can only be granted after the grant of Stage-1 Forest clearance which is pending for their project.

Besides the above, SEIAA also observed that a complaint regarding the accumulation of rainwater in a land area of about 150 to 200 acres has been received from the residents of Village Bhagwanpura, Block Amloh, District Fatehgarh Sahib on 16.03.2022. In this regard, the project proponent informed that the industry has already constructed a drain along the boundary of the project for providing a proper drainage system and the outfall of the said drain is leading to a stormwater drain laid along State Highway 12A to address the problem of waterlogging in the agricultural fields. They further informed that they have already made an investment of Rs. 2.0 Crores for addressing the problem of possible waterlogging in the vicinity of their Project.

To this, SEIAA decided to constitute a sub-committee comprised of a member from SEIAA and the concerned Executive Engineer of the Drainage Department which shall visit the site to investigate the facts of the complaint and submit the report regarding the adequacy of the measures proposed by the industry.

SEIAA also observed that the proposed investment of the project is Rs. 410.57 Crores and the amount to be spent towards CER activities is Rs. 80 Lacs. As such, the project proponent is required to increase the amount to be spent on CER activities up to 0.6% of the total cost i.e. Rs. 2.5 Crores for which a detailed plan is required to be submitted.

After detailed deliberations, SEIAA decided to defer the case and asked the project proponent to submit a detailed plan of the amount of Rs. 2.5 Crores to be spent on CER activities and also submit Stage-1 clearance under the Forest Conservation Act, 1980 for the approach road of the project site. Simultaneously, Sub-Committee shall examine the facts of the complaint after visiting the site and submit its report regarding the adequacy of the measures proposed by the industry for preventing waterlogging due to the development of the Project. The case shall be put up to SEIAA after compliance to the above observations.

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

i) Additional Details had been sought on Parivesh Portal on 20.04.2022.

ii) Project site was visited by the EE (SEIAA) along with the Executive Engineer, Drainage on 21.04.2022 to examine the facts of the complaints. The visit report of the Joint committee has already been sent to SEIAA through email on 05.05.2022 for information and taking necessary action. A copy of the said report is attached as Annexure-1 of the agenda.

The Project Proponent has now submitted a reply vide letter dated 19.05.2022 in response to the ADS raised on 20.04.2022. A copy of the said reply has been annexed as Annexure-2 of the agenda.

3.0 Deliberations during the 207th meeting of SEIAA held on 15.06.2022.

The case was considered by SEIAA in its 207th meeting held on 15.06.2022 which was attended by the following:

(i) Sh. Sudhir Goyal, Managing Director of the company
(ii) Sh. Dilbagh Mangat, Head Legal and Regulatory
(iii) Dr. Sandeep Garg, EIA Coordinator, M/s Eco Laboratories Pvt Ltd.
(iv) Mrs. Simranjit Kaur, EIA Coordinator, M/s Eco Laboratories Pvt. Ltd.

SEIAA perused the reply submitted by the project proponent and observed as under:

1. As desired by SEIAA in its 204th meeting held on 12.04.2022, Revised EMP including Corporate Environment Responsibility (CER) activities amounting to Rs. 2.5 Crores (@ 0.6% of project cost) has been submitted as per the detail as under:

Sr. No.	Environmental Protection Measures	Capital Cost (Rs. in lakhs)	Recurring Cost (Rs. in lakhs/year)

1.	Air Pollution Control (Installation of APCD and continuous emission monitoring system)	853	2.5
2.	Water Pollution Control (STP of capacity 90 KLD)	150	2
3.	Noise Pollution Control (Provision of acoustic enclose for DG sets)	5	2
4.	Green belt development by planting of 5950 tall plants of indigenous tree species	55	55 (for 3 years)
5.	Solid Waste Management	3	0.5
6.	Environment Monitoring & Management	3	5
7.	Health, Safety & Risk Assessment (PPE kit for workers)	5	1
8.	Rain water harvesting system	8	0.5
9.	CER activities*	250	-
10.	Miscellaneous	5	0.5
Total		**Rs. 1,337 lakhs**	**Rs. 69 lakhs**

***CER Activities:**

Rs. 250 lakhs will be spent on CER activities as given below:

Sr. No.	Activities	Annual Expenditure	Timeline (5 years from start of project)	Total Expenditure
1.	**Rain Water Harvesting** Adoption of four (4) ponds; out of which 2 ponds located in Village Bhadalthuha and Badecha of Nabha Block and other 2 ponds are located in Village Akalgarh & Sakrali of Block Amloh for rainwater harvesting and maintenance of ponds as per measures given below: i. Nano-Bubble technology to treat wastewater discharge into the pond ii. Tree plantation of 6 ft. size around the pond iii. Removal of solid waste, sludge, silt from the pond	Rs. 36 lakhs (i.e. Rs. 9 lakhs per pond)	5 years	Rs. 180 lakhs

	iv. Landscaping around the pond			
2.	**Issues raised during public hearing:**			
i.	**<u>Rain Water Harvesting</u>** Adoption of pond located in the Village Bhamarsi Jher of Sirhind Block based on Seechewal model for rain water harvesting and pond maintenance through measures given below: i. Nano-Bubble technology to treat wastewater discharge into the pond ii. Tree plantation of 6 ft. size around the pond iii. Removal of solid waste, sludge, silt from the pond iv. Landscaping around the pond	Rs. 6 lakhs	5 years	Rs. 30 lakhs
ii.	**<u>Plantation</u>** Plantation drives in nearby villages	Rs. 2 lakhs	5 years	Rs. 10 lakhs
iii.	**<u>Education</u>** • Providing uniforms, books etc. to needy students and repairing of Primary School building located in Village Chehal. • Providing uniforms, books, etc. to needy students of the nearby villages	Rs. 4 lakhs Rs. 2 lakhs	5 years 5 years	Rs. 20 lakhs Rs. 10 lakhs
Total		**Rs. 50 lakhs**	**-**	**Rs. 250 Lakhs**

2. No forest land is involved in their project except for the approach road to the project site. However, the application has already been submitted for Forest Clearance under Forest Conservation Act vide proposal No. FP/PB/Approach/153259/2022 for approach road. Further, till their project obtains approval under the Forest Clearance Act,1980 for the approach road, the existing approved approaches (2 No.) of their adjoining subsidiary unit namely Madhav KRG Ltd. shall be used and the approach road involving forest area will not be used. An undertaking submitted in this regard was taken on record by SEIAA.

To a query regarding the CER activities, the project proponent agreed to execute the activities proposed under CER parallelly to the amount to be spent on the construction of the project and complete the same within a maximum time period of 5 years.

SEIAA was satisfied with the reply of the project proponent. Thereafter, SEIAA perused the visit report of the Sub-Committee appointed to enquire into the complaint against the project and observed that about 7 to 8 acres of agricultural land of the complainants may be affected due to the construction of the boundary wall in case of heavy rainfall. Further, the Sub-Committee has made the following recommendations:

i) The industry may be asked to ensure the cleaning of Amloh-Bhadson roadside drain which will finally carry the discharge of the newly constructed drain along the boundary before the onset of the monsoon.

ii) The industry may be asked to remove the ash which was put to increase the level of the Kacha Road and restore its original levels or put pipes underneath the road whichever is more feasible so as to clear the obstruction to the sheet flow of water.

iii) After taking the measure proposed at (i) and (ii) by the industry, in case obstruction to the natural flow of water is still reported, the industry may be asked to construct a well-designed drain along the boundary wall of the existing industry to discharge the rainwater from the agriculture land of the complainant as per the commitment made during the public hearing conducted on 01.03.2011.

iv) Drainage Department will keep strict vigil during the monsoon season for any obstruction to rainwater flow resulting in damage to the crops of the complainants and take necessary action under the provision of the Canal and Drainage Act, 1873.

Thereafter, to a query by SEIAA, the project proponent proposed that instead of removing the fly ash from the kacha road which would not be a permanent solution, cemented causeways may be constructed in front of the agricultural land of the complainant for passing the sheet flow of water in case of the heavy rainfall. He further requested that the drainage department may be directed to provide the technical inputs regarding the number and locations of the causeways and also supervise the construction thereof. Project proponent committed that the entire cost of constructing the causeways would be borne by them. They further committed that in a worst case scenario, they are also ready to pay compensation for the damage to the crops of the complainants resulting from the over-flooding of the rainwater as assessed by the revenue Department.

The Project Proponent also agreed to implement recommendations made by the Sub-Committee at Sr no's (i) and (iii) above. An undertaking was also submitted to the effect that cleaning of the existing stormwater drain laid on the SH-12A (Amloh-Bhadson road) of approximately 700 m length passing in front of industrial units namely M/s Madhav KRG Ltd. and M/s Madhav KRG HRC Pvt. Ltd. will be undertaken by the company prior to the monsoon season every year and the expenditure on the same will be borne by the company.

To another query by SEIAA, the project proponent informed that a drain will be constructed all along the roadside for collecting the rainwater in a pond and the same shall be subsequently utilized in the Project for process of cooling purposes. A layout plan showing the stormwater drain was submitted which was taken on record by SEIAA.

During discussions, the representative of the promoter company agreed to fully comply with all the conditions stipulated by SEAC and further condition of incurring expenditure of Rs. 2.5 crores to be spent on CER activities under the Environmental Management Plan within a period of 5 years. The SEIAA observed that the case stands recommended by SEAC and the Committee has awarded 'Silver Grading' to the project proposal. SEIAA looked into the details of the case and was satisfied with the same.

After detailed deliberations, SEIAA decided to accept the recommendations of SEAC and grant Environmental Clearance for the establishment of a steel manufacturing unit having a production capacity of 7,50,000 TPA of Hot Rolled Coil (HRC) at Village Akalgarh & Bhagwanpura, Amloh-Bhadson Road, Near Toll Plaza, Tehsil Nabha & Amloh, Distt. Patiala & Fatehgarh Sahib, Punjab by M/s Madhav KRG HRC Pvt. Ltd." as per the details mentioned in Form 2, EMP, EIA report and subsequent presentation /clarifications made by the project proponent / his consultant with proposed measures, conditions as recommended by SEAC, amended conditions as agreed by the project proponent and additional condition as under: -

Amended Conditions no. iii of 'IX' Environment Management Plan

iii. Action plan for implementing EMP and environmental conditions along with the responsibility matrix of the company shall be prepared and shall be duly approved by the competent authority. The year-wise funds earmarked for environmental protection measures shall be kept in a separate account and will not be diverted for any other purpose. The project proponent shall spend a minimum amount of Rs 1337 Lakhs towards the capital cost and Rs 69 Lakhs/annum towards recurring costs including the environmental monitoring cost for the implementation of EMP as proposed in the EMP plan as under:

Sr. No.	Environmental Protection Measures	Capital Cost (Rs. in lakhs)	Recurring Cost (Rs. in lakhs/year)
1.	Air Pollution Control (Installation of APCD and continuous emission monitoring system)	853	2.5
2.	Water Pollution Control (STP of capacity 90 KLD)	150	2
3.	Noise Pollution Control (Provision of acoustic enclose for DG sets)	5	2
4.	Green belt development by planting of 5950 tall plants of indigenous tree species	55	55 (for 3 years)
5.	Solid Waste Management	3	0.5
6.	Environment Monitoring & Management	3	5

7.	Health, Safety & Risk Assessment (PPE kit for workers)	5	1
8.	Rain water harvesting system	8	0.5
9.	CER activities*	250	-
10.	Miscellaneous	5	0.5
Total		**Rs. 1,337 lakhs**	**Rs. 69 lakhs**

***CER Activities:**

Rs. 250 lakhs will be spent on CER activities as given below:

Sr. No.	Activities	Annual Expenditure	Timeline (5 years from start of project)	Total Expenditure
1.	**Rainwater Harvesting** Adoption of four (4) ponds; out of which 2 ponds are located in Village Bhadalthuha and Badecha of Nabha Block and the other 2 ponds are located in Village Akalgarh & Sakrali of Block Amloh for rainwater harvesting and maintenance of ponds as per measures given below: i. Nano-Bubble technology to treat wastewater discharge into the pond ii. Tree plantation of 6 ft. size around the pond iii. Removal of solid waste, sludge, and silt from the pond iv. Landscaping around the pond	Rs. 36 lakhs (i.e. Rs. 9 lakhs per pond)	5 years	Rs. 180 lakhs
2.	**Issues raised during public hearing:**			
i.	**Rainwater Harvesting** Adoption of the pond located in the Village Bhamarsi Jher of Sirhind Block based on Seechewal model for rainwater harvesting and pond maintenance through measures given below: i. Nano-Bubble technology to treat wastewater discharge into the pond ii. Tree plantation of 6 ft. size around the pond	Rs. 6 lakhs	5 years	Rs. 30 lakhs

	iii. Removal of solid waste, sludge, and silt from the pond iv. Landscaping around the pond			
ii.	**Plantation** Plantation drives in nearby villages	Rs. 2 lakhs	5 years	Rs. 10 lakhs
iii.	**Education** • Providing uniforms, books, etc. to needy students and repairing of Primary School building located in Village Chehal. • Providing uniforms, books, etc. to needy students of the nearby villages	Rs. 4 lakhs Rs. 2 lakhs	5 years 5 years	Rs. 20 lakhs Rs. 10 lakhs
Total		**Rs. 50 lakhs**	**-**	**Rs. 250 Lakhs**

The entire cost of the environmental management plan will continue to be borne by the project proponent throughout the life 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 Reports.

Additional Conditions:

(i) The project proponent shall utilize the approach road of their adjoining subsidiary unit namely Madhav KRG Ltd. till the time clearance under the Forest Conservation Act, 1980 is obtained.

(ii) The project proponent shall construct causeways on the Katcha Road in front of the agricultural land of the complainant for passing the peak flow of rainwater under the guidance of the Drainage Department. The entire cost of constructing these causeways shall be borne by the industry.

(iii) Drainage Department will keep strict vigil during the monsoon season for any obstruction to rainwater flow resulting in damage to the crops of the complainants and take necessary action under the provision of the Canal and Drainage Act, 1873.

(iv) In case obstruction to the natural flow of water is still reported, the project proponent shall construct a well-designed drain along the boundary wall of the existing industry to discharge the rainwater from the agricultural land of the complainant as per the commitment made during the public hearing conducted on 01.03.2011 and pay compensation for the damage of the crops of the complainants as assessed by the Revenue Department.

(v) As proposed, a Storm water drain shall be constructed all along the road within the project site as per the layout plan submitted by the project proponent. The rainwater will

be collected in a storage tank, and subsequently utilized in the project for cooling purposes.

Item No. 207.11: Clarification regarding bifurcation of projects granted Environmental Clearance vide no. 2996 dated 28.05.2015 under EIA notification dated 14.06.2006 to M/s Dynasity Buidwell Pvt. Ltd. Project: Paras Panorama, Village Desumajra, Kharar, Distt. SAS Nagar.

Senior Environmental Engineer, Zonal Office-1, PPCB, Patiala vide letter no. 1907 dated 22.03.22 has sought clarification in the matter relating to the bifurcation of the original Project for which EC has already been granted. A copy of the said letter is attached as Annexure-A of the agenda.

1.0 Deliberations during the 204th meeting of SEIAA held on 12.04.2022.

The case was considered by SEIAA in its 204th meeting held on 12.04.2022, which was attended by Sh. Mr. Deepak Gupta, Environmental Advisor of the company.

SEIAA directed that M/s Bee Gee Buildtech company should submit a duly notarized Affidavit specifying the extent of environmental parameters such as estimated population, water requirement, water balance for summer, winter, and Rainy Season, wastewater generation, treatment, and its disposal, solid waste generation and its disposal, green area, Rain Water harvesting, and Environment Management Plan, etc. for land owned by M/s Bee Gee Buildtech (Project: Palm village) along with the Built-Up area and components to be constructed. The said affidavit should clearly state that M/s Bee Gee Buildtech undertakes responsibility for the implementation of all the conditions of the EC in its areas and also undertakes collective responsibility for the activities which are to be complied by both the companies such as the submission of six monthly compliance reports etc.

After detailed deliberations, SEIAA decided that on the receipt of the duly notarized affidavit, PPCB be informed that Consent to Operate under the Water (Prevention and Control of Pollution), 1974 and the Air (Prevention and Control of Pollution), 1981 may be granted to the new applicant i.e M/s Bee Gee Buildtech (Project: Palm Village) to the extent of the parameters as submitted in the duly notarized Affidavit.

The environmental Consultant has now submitted a duly notarized affidavit specifying the content mentioned above. A copy of the said affidavit is enclosed as Annexure-12 of the agenda.

2.0 Deliberations during 206th meeting of SEIAA held on 08.06.2022

The matter was considered by SEIAA in its 206th meeting held on 08.06.2022, but no representative of the Project Proponent attended the meeting. The SEIAA decided to defer the matter and the same be placed before SEIAA after 15 days.

3.0 Deliberations during 207th meeting of SEIAA held on 15.06.2022

The matter was considered by SEIAA in its 207th meeting held on 15.06.2022 which was attended by Sh. Gurcharan Bachhal, Project Head of M/s Bee Gee Buildtech and Sh. Mr. Deepak Gupta, Environmental Advisor of the company. ssss

SEIAA perused the affidavit submitted by the project proponent and observed that M/s Bee Gee Buildtech have undertaken to be collectively responsible along with the M/s Dynasity Buildwell Pvt. Ltd. for the implementation of all the conditions of Environmental Clearance granted by SEIAA vide letter no. 2996 dated 28.05.2015.

After detailed deliberations, SEIAA decided to inform PPCB with reference to their letter no. 1907 dated 22.03.2022 and 2535 dated 25.04.2022 as under:

(i) M/s Dynasity Buildwell Pvt. Ltd. and M/s Bee Gee Buildtech shall be both individually and collectively responsible for the implementation of all the conditions of Environmental Clearance granted by SEIAA in the name of M/s Dynasity Buildwell Pvt. Ltd. vide letter no. 2996 dated 28.05.2015.

(ii) Punjab Pollution Control Board may grant the Consent to Operate under the Water (Prevention & Control of Pollution) Act, 1974 and the Air (Prevention & Control of Pollution) Act, 1981 to M/s Bee Gee Buildtech (Project: Palm village, Desumajra, Kharar, Distt. SAS Nagar) subject to the condition that M/s Bee Gee Buildtech shall also comply with all the conditions of the Environmental Clearance granted vide letter no. 2996 dated 28.05.2015 in the name of M/s Dynasity Buildwell Pvt. Ltd.

Item No 207.12: Preparation of District Survey Report (DSR) in compliance with the Hon'ble NGT order dated 26. 02.2021 in OA No 360 off 2015 and other related cases

The Member Secretary, Punjab Pollution Control Board vide Letter No 11188-89 dated 25.05.2022 in reference to the SEIAA letter No 129-132 dated 09.05.2022 and DECC letter No. 166 dated 18.05.2022 has recommended that a draft DSR prepared for Arwal District Bihar may be considered as the Model DSR with certain additions/modifications as mentioned in the letter. A copy of the said letter is attached as Annexure-14 of the agenda

1.0 Deliberations during 206th meeting of SEIAA held on 08.06.2022

The matter was considered by SEIAA in its 206th meeting held on 08.06.2022. SEIAA was apprised that keeping in view the proceedings of the review meeting held on 29.04.2020 under the Chairmanship of CS Punjab, Competent Authority had decided that it was necessary to prepare a fresh and proper Model DSR for the guidance of the District level committees and that simple adoption of the DSR prepared for Arwal District Bihar (with some modifications as proposed by Member Secretary PPCB) would not serve the purpose.

Managing Director of Ms/ Eco Laboratories and Pvt. Ltd., Mohali was, therefore, requested to prepare a draft model DSR on an urgent basis with the understanding that payment for the same would be finalized later based upon the actual manpower deployed by the Consultants for completing the work. Accordingly, Ms/ Eco Laboratories and Pvt. Ltd., Mohali submitted a draft DSR on 02.06.2022. Comments on the draft DSR have been sought from the SEAC.

SEIAA perused the model DSR and suggested certain other additions/amendments including a revised chapter on Deposition and Replenishment studies to be prepared by the Mining Department, Punjab.

After deliberations, SEIAA decided that the draft DSR be revised after consideration of the comments received and after incorporating the revised chapter on Replenishment studies and thereafter be sent to the Director, DECC to circulate to all the Deputy Commissioners and other concerned officers / Departments.

2.0 Deliberations during 207th meeting of SEIAA held on 15.06.2022

The matter was considered by SEIAA in its 207th meeting held on 15.06.2022. SEIAA was apprised that the model District Survey Report (DSR) was revised after considering the comments received and after incorporating the revised chapter on Replenishment studies submitted by the Mining Department. Thereafter the same was sent to the Director, DECC vide email dated 12.06.2022, to circulate to all the Deputy Commissioners and other concerned officers / Departments.

Director, DECC has also circulated the model DSR to all the Deputy Commissioners and other concerned Stakeholders / Departments vide email dated 13.06.2022 with a request to direct the Sub-Divisional Committee of District to prepare the District Survey Report on the lines of model

DSR including replenishment studies and submit the same for appraisal/approval to SEAC/SEIAA by 30.09.2022 positively.

SEIAA took note of the above.

Item No. 207.13: Regarding CWP 2164 of 2020 and CWP 19435 of 2020 titled Gurjit Singh Vs. Union of India & Ors.

It is submitted that Sh. Avinit Avasthi, Assistant Advocate General Punjab vide DO dated 25.04.2022 addressed to the Chief Secretary, Punjab and a copy of the same addressed to the Member Secretary, SEIAA & Ors. has been received on 17.05.2022. A copy of the said DO is annexed as Annexure-10 of the agenda for kind perusal, please.

1.0 Deliberations during 206th meeting of SEIAA held on 08.06.2022

The matter was placed in the 206th meeting held on 08.06.2022 but could not be taken up due to paucity of time. The SEIAA decided to defer the matter and the same be placed before SEIAA in its next meeting to be held on 15.06.2020.

2.0 Deliberations during 207th meeting of SEIAA held on 15.06.2022

The matter was placed in the 207th meeting held on 15.06.2022 wherein SEIAA perused the aforementioned D.O. No. 25.04.2022 of the AAG Punjab and observed that CWP 2164 of 2020 and CWP 19435 of 2020 titled Gurjit Singh Vs. Union of India & Ors were listed before the Hon'ble High Court on 20.04.2022. In the said DO letter, State Authorities were advised that necessary steps be taken to check if any illegal mining is taking place and a fresh status report be filed explaining steps taken by the State Authorities to curb such activities. SEIAA further observed as under:

1. In the CWP 2164 of 2020, the petitioners have alleged that there illegal mining is taking place in the area of Satluj River in Basian village, District Moga and that private respondents have been indulging in illegal mining in the river beds. As far as CWP 19435-2020 is concerned, the same pertains to alleged illegal mining taking place in the village Kotli Barwala, District Amritsar.
2. Despite earlier orders, no reply has been filed till date in CWP 19435-2020, although, on the last date of hearing from the perusal of annexure R-5 and from the perusal of reply filed in CWP 2164-2020, it was informed to the Hon'ble Court that as per the report of the SSP(Rural) Jalandhar no illegal mining was found and that there is no danger to the Dhusi Bandh of River Satluj. However, after having read the report of the SSP, the Hon'ble Chief Justice was not satisfied with the same and categorically observed that it seems that because of illegal mining there were some pits which had formed on Dhusi Bandh which have now been filled up by the private respondent (Mining Contractor). Keeping the seriousness of the case in view, the Hon'ble Court has directed that a fresh status report be filed in both the cases as to whether any illegal mining is going on at the alleged places in question and a comprehensive status report be filed positively prior to the next date of hearing.
3. The Hon'ble Court has further warned that if it is not satisfied with the response filed by the State, the Court shall be compelled to transfer the inquiry of the matter to CBI.

To a query by SEIAA, it was informed as under:

1. General Manager-Cum-Mining Officer, District Industries Centre, Amritsar was granted Environmental Clearance under EIA notification dated 14.09.2006 vide no. SEIAA/M.S./2015/319 dated 02.02.2015 for carrying out mining of minor minerals (Sand/Gravel) @ 25,896 TPA in an area of 2.55 hectares in the revenue estate of Village Kotli Barwala, Tehsil Ajnala, District Amritsar, subject to the conditions listed in the EC. Thereafter, the said Environmental Clearance was transferred in the name of M/s Friends & Co., Bakar Mandi, Chabbal Road, Opp. Khazana gate, Amritsar vide letter no 2035-2046 dated 08.09.2020. The said Environmental Clearance was valid up to 01.02.2022.
2. The General Manager-Cum-Mining Officer, District Industries Centre, Moga was granted environmental clearance under EIA notification dated 14.09.2006 vide no. 7725 dated 31.01.2014 for carrying out mining of minor minerals (Sand) @ about 39004 Tonnes Per Annum in an area of 8.36 Hectare in the revenue estate of Village Basian, Tehsil Dharamkot District Moga, subject to the conditions listed in the EC and thereafter, Environmental clearance was transferred in the name of Sh. Kuldeep Singh S/o Sh. Joginder Singh, Village Nasirpur Jainia, Tehsil Dharamkot, District Moga vide letter No. 59 dated 04.01.2016. The said Environmental Clearance was valid up to 30.01.2019.

After detailed deliberations, SEIAA decided as under:

(i) Since action in respect of the alleged illegal mining is to be taken by the mining department, the said DO be forwarded to the Principal Secretary, Mining for taking necessary action in the matter.

(ii) Since the mandate of monitoring the compliance of the conditions of the Environmental Clearance and issuing the Consent to Operate under the provisions of the Water Act, 1974 and Air Act, 1981 lies with the PPCB, a copy of the said DO be forwarded to the Member Secretary, PPCB with a request to send the operational status of the mining sites located in the revenue estate of Village Kotli Barwala, Tehsil Ajnala, District Amritsar and Village Basian, Tehsil Dharamkot District Moga and status of compliance of the conditions of the Environmental Clearance & Consent to Operate granted under the Water Act, 1974 and Air Act, 1981 to SEIAA, Punjab.

Meeting ended with a vote of thanks to the Chair.

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