Proceedings of 219th meeting of State Expert Appraisal Committee (SEAC) held on 29.04.2022 (Friday) at 11:30 AM in the Conference Hall no. 1, Room No. 311, Directorate of Environment & Climate Change, MGSIPA Complex, Sector-26, Chandigarh.

The following were present:

Sr. No.	Name of SEAC Member	Designation in SEAC
1.	Er. Yogesh Gupta	Chairman
2.	Sh. Pardeep Garg	Member Secretary
3.	Sh. Parminder Singh Bhogal	Member
4.	Sh. Anil Kumar Gupta	Member (Through VC)
5.	Sh. Satish Kumar Gupta	Member (Through VC)
6.	Sh. K.L Malhotra	Member
7.	Dr. Pawan Krishan	Member
8.	Dr. Sunil Mittal	Member (Through VC)
9.	Sh. Preet Mohinder Singh Bedi	Member (Through VC)

Item No. 01: Confirmation of the proceedings of 218th meeting of State Level Expert Appraisal Committee held on 11.04.2022.

The proceedings of 218th meeting of State Level Expert Appraisal Committee held on 11.04.2022 was prepared and circulated through email on 15.04.2022. No Comments have been received from any of the members. Therefore, SEAC confirmed the same.

Item No. 02: Action taken on the proceedings of the 218th meeting of State Level Expert Appraisal Committee held on 11.04.2022.

The action taken on the decisions of 218th meeting of State Level Expert Appraisal Committee held on 11.04.2022 has been completed. SEAC noted the same.

Item no. 219.01: Application for issuance of Terms of Reference under EIA notification dated 14.09.2006 for the establishment of Hotel Project at Ajnala Road, Near International Airport, Amritsar, (Punjab) by M/s Spirit Infratech Private Limited, (Proposal No. SIA/PB/MIS/74596/2022).

The Project Proponent has submitted an application for issuance of ToR for the establishment of Hotel project at Ajnala Road, Near International Airport, Amritsar. The total land area of the project is 3.676 acres having built up area of 23547.707 sqm. The Project Proponent has submitted Form-1 along with documents as per the checklist approved by SEIAA. The said project attracts the provisions of category 8 (a) of the schedule appended with EIA notification dated 14.09.2006. The Project Proponent has submitted permission for Change of Land Use issued by Department of Town & Country Planning vide memo no. 1524 dated 25.02.2010 for the total land area of 3.475 acres falling in village Sachander, Ajnala Road, District Amritsar for hotel purpose. The Project Proponent has also submitted layout plan approved from Chief Town Planner, Punjab vide stamp dated 24.06.2011 for the total land area of 3.676 acres having built up area of 33764.572 sqm.

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

The Project Proponent has informed that the construction of the Hotel was started in the year 2016 and till date the civil construction works up to five storeys has been completed and finishing work is yet to be started. The total built up area constructed so far is 23547.707 sqm. The Project Proponent also informed that at present no construction activity is being carried out at site except minor work. The Project Proponent suo-moto reported the violation committed by him and undertakes to adopt the procedure as mentioned in the SOP laid down in OM issued by MoEF&CC dated 07.07.2021. The details with regard to the actions proposed by the project proponent in compliance to the OM dated 07.07.2021 is as under:

I. The project pertains to category for which prior EC has not been taken as the project area was more than 20,000 sqm. The civil construction up-to five storeys has been completed and finishing work is yet to be started. No construction activity is going at site as the construction has been stopped since long.
II. Permission for CLU from the Department of Town and Country Planning, Punjab for the project area of 3.475 acres vide letter no. CTP(Pb)/SP-432A/ 1524 dated 25.02. 2010 obtained. The project falls in the mixed land use as per approved Master Plan of Amritsar. Consent to Establish under the provisions of Water Act 1974 & Air Act 1981 obtained from PPCB on 10.06.2013. Therefore, the project is admissible at the present location. Thus, the project is required to be apprised as per SOP mentioned in the OM dated 07.078.2021 of the MoEF&CC.
III. The Project Proponent undertake that the 'Damage Assessment' shall be carried out through M/s. Chandigarh Pollution Testing Laboratory, Mohali, which is the NABET accredited environment consultancy firm. The Remedial Plan as well as Community Augmentation Plan shall be prepared to restore the environmental damage.

IV. A Bank Guarantee equivalent to the amount of Remediation Plan and Natural& Community Resource Augmentation Plan shall be submitted to the PPCB.

V. As per OM dated 07.07.2021, 1% of the total project cost incurred up to the date of filing of application along with EIA / EMP report. Further, the OM envisages that the percentage rates of penalty shall be halved if the project proponent suo-motu reports its violations. In present case, the Project Proponent suo-moto reported the violations, therefore, the above penalty should be 0.5%.

VI. As per OM, the abovementioned penalty shall be in addition to the liability for carrying out remedial measures which shall be worked out based on the damage assessment for quantifying the environmental damage caused due to unauthorised project activity.

The Project Proponent has deposited processing fee amounting Rs. 28,126/- vide NEFT No. AXSK200320005609 dated 05.02.2020 & Rs. 39,404/- deposited vide NEFT No. AXSK220740028830 dated 15.03.2022 as checked & verified by supporting staff SEIAA.

Deliberations during 219th meeting of SEAC held on 29.04.2022.

The meeting was attended by the following:

(i) Sh. Bachitter Singh, Technical Advisor.
(ii) Sh. Sital Singh, Environmental Consultant, M/s. Chandigarh Pollution Testing Laboratory.
(iii) Sh. Sandeep Singh, Consultant, M/s. Chandigarh Pollution Testing Laboratory.

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

Sr. No.	Description	Details
1	**Basic Details**	
1.1	Name of Industry & Project Proponent:	Hotel Project by M/s Spirit Infratech Private Limited
1.2	Proposal:	SIA/PB/MIS/74596/2022
1.3	Location of Industry:	Ajnala road, near international airport, Tehsil & District- Amritsar, Punjab
1.4	Details of Land area & Built up area:	3.676 acres
1.5	Category under EIA notification dated 14.09.2006	8 (a)
1.6	Cost of the project	Rs. 25.86 Crores including the cost of land as Rs. 0.75 Crore & Building as Rs. 25.11 Crore.
2.	**Site Suitability Characteristics**	
2.1	Whether site of the industry is suitable as per	Permission for Change of Land Use issued by Department of Town & Country Planning vide memo no. 1524 dated 25.02.2010 for the

<table>
<tr><td></td><td>the provisions of Master Plan:</td><td>total land area of 3.475 acres falling in village Sachander, Ajnala Road, District Amritsar for hotel purpose submitted.</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>Yes, as mentioned above</td></tr>
<tr><td>3</td><td colspan="2">Forest, Wildlife and Green Area</td></tr>
<tr><td>3.1</td><td>Whether the industry required clearance under the provisions of Forest Conservation Act 1980 or not:</td><td>No Forest land is involved. A self-declaration in this regard submitted.</td></tr>
<tr><td>3.2</td><td>Whether the industry required clearance under the provisions of Punjab Land Preservation Act (PLPA) 1900:</td><td>No, the industry does not require the clearance under the provisions of Punjab Land Preservation Act (PLPA) 1900. A self-declaration in this regard submitted.</td></tr>
<tr><td>3.3</td><td>Whether industry required clearance under the provisions of Wildlife Protection Act 1972 or not:</td><td>No wildlife sanctuary is involved in the vicinity or study area if 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.</td></tr>
<tr><td>3.5</td><td>Whether the industry falls within the influence of Eco-Sensitive Zone or not. (Specify the distance from the nearest Eco sensitive zone)</td><td>No, the industry does not fall within the influence of Eco-sensitive zone.</td></tr>
<tr><td>3.6</td><td>Green area requirement and proposed No. of trees:</td><td>3508.659 sqm i.e. 24% of total area is kept for green belt development.
Proposed number of trees- 186</td></tr>
<tr><td>4.</td><td colspan="2">Configuration</td></tr>
<tr><td>4.1</td><td>Configuration</td><td>
<table>
<tr><th>Sr. No.</th><th>FLOOR NAME</th><th>BUILT-UP AREA IN SQM</th></tr>
<tr><td>1.</td><td>Ground Floor</td><td>2921.547</td></tr>
<tr><td>2.</td><td>First Floor</td><td>2720.34</td></tr>
<tr><td>3.</td><td>Service Floor</td><td>2108.34</td></tr>
<tr><td>4.</td><td>Second Floor</td><td>2052.18</td></tr>
<tr><td>5.</td><td>Third Floor</td><td>2052.18</td></tr>
<tr><td>6.</td><td>Fourth Floor</td><td>2052.18</td></tr>
</table>
</td></tr>
</table>

		7.	Fifth Floor	2052.18
		8.	First Basement	3701.22
		9.	Second Basement	3887.54
		Total		**23547.707 sqm**

5	**Water**	
5.1	Total fresh water requirement:	160.5 KLD
5.2	Source:	Tubewell
5.3	Whether Permission obtained for abstraction/supply of the fresh water from the Competent Authority (Y/N) *Details thereof*	Acknowledgement of the application for permission for abstraction of 165 KLD of ground water is filed with PWRDA.
5.4	Total water requirement for domestic purpose:	338 KLD
	Total wastewater generation	177.1 KLD generated from various domestic activities
5.6	Details of utilization of treated wastewater into green area in summer, winter and rainy season:	Treated waste water of quantity 177.1 KLD generated from STP of capacity 180 KLD will be recycled for flushing, horticulture & cooling tower (make-up) purposes.
5.7	Utilization/Disposal of excess treated wastewater.	No excess treated wastewater shall be generated. The entire quantity of treated wastewater shall be recycled as mentioned above.
5.8	Cumulative Details:	

Sr. No.	**Total water Requirement**	**Total wastewater generated**	**Treated wastewater**	**Flushing**	**Horticulture**	**HVAC/DG Set**
1.	338 KLD	177.1 KLD	177.1 KLD	48.5 KLD	24 KLD	105 KLD

5.9	Rain water harvesting proposal:	Details of Rain Water harvesting Pits

Total Storage Capacity	102 m^3
Size of Pit	27m^3(3X3X3)
No. of pits required	102/27 = 3.7
No. of pits provided	4

6	**Air**	
6.1	Details of Air Polluting machinery:	
	Existing	

<table>
<tr><td></td><td>
<table>
<tr><th>S.No.</th><th>Source</th><th>Capacity</th><th>APCD</th></tr>
<tr><td>1.</td><td>DG Set</td><td>1x750kVA
1X1000 kVA</td><td>Stack with adequate height</td></tr>
</table>
</td><td></td></tr>
<tr><td>6.2</td><td>Measures to be adopted to contain particulate emission/Air Pollution</td><td>Stack with adequate stack height</td></tr>
<tr><td>7</td><td>Waste Generation</td><td></td></tr>
<tr><td>7.3</td><td>Solid waste generation</td><td>
<table>
<tr><th>S. No.</th><th>CATEGORY OF WASTE</th><th>WASTE GENERATED</th><th>WASTE GENERATED (KG/DAY)</th></tr>
<tr><td>1.</td><td>Municipal waste</td><td>3266 @ 0.25 kg/capita/day</td><td>816.5</td></tr>
</table>
The bio-degradable component of solid waste will be treated through vermi-composting and the same will be used as manure. The non-bio-degradable component like papers, plastic, metal etc will be segregated and stored into isolated place.
</td></tr>
<tr><td>7.4</td><td>Hazardous Waste generation</td><td>
<table>
<tr><th>S. No.</th><th>CATEGORY OF WASTE</th><th>WASTE GENERATED</th><th>WASTE GENERATED (KG/DAY)</th></tr>
<tr><td>1</td><td>Used oil (ltrs)</td><td>Lump-sum/annum</td><td>700</td></tr>
</table>
The used oil shall be stored in the plastic drums in an isolated place. Further, the used oil shall be sold to the authorized recycler.
</td></tr>
</table>

The Committee observed that the Project Proponent has obtained permission for Change of Land Use (CLU) for total land area of 3.475 acres, however, the total land area mentioned in the application proposal as well as the layout plan approved by Chief Town Planner Punjab on dated 24.06.2011 was for the total land area of 3.676 acres. The Committee asked the Project Proponent to specify the reason for the same. The Project Proponent informed that the difference of land area was due to additional land used for widening of the road in future. Therefore, the CLU was obtained only for 3.475 acres and not for the future provision for widening of the road. The Committee decided to consider the application proposal for total land area of 3.475 acres for which the permission for Change of Land Use has already been granted by the Competent Authority. The Project Proponent agreed to the same.

The Project Proponent apprised the Committee that the layout plan of the project has already been approved by the Chief Town Planner, Punjab vide dated 24.06.2011 for the total land area of 3.676 acres with built up area of 33,764.572 sqm. The Project Proponent in his application itself admitted that the construction of the Hotel was started in 2016 and till date the civil construction up to 5 storeys has been completed and finishing work is yet to start. The total built-up area constructed so far is 23547.707 sqm and the present proposal is only for the constructed built-up area of 23,547.707 sqm. The Committee observed that the project is permissible on the proposed site as the layout plan of the project has already

been approved by the Chief Town Planner Punjab on dated 24.06.2011 for the total land area of 3.676 acres.

SEAC observed that being 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 Section 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 Hotel Project at Ajnala Road, Near International Airport, Amritsar, (Punjab) for the total land area of 3.475 acres having built-up area of 23,547.707 sqm, as per the details mentioned in the 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 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. 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.

Additional 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.

Item No.219.02: Application for Environmental Clearance under EIA notification dated 14.09.2006 for expansion of steel manufacturing unit having existing capacity 29,400 TPA of Alloys/non-Alloys Steel Billets/Ingots/Round, Square, Bars, Flats and Angles to 1,22,500 TPA of Alloys/Non-Alloys Steel Billets/Ingots/Round, Square, Bars, Flats and Angles by replacing existing induction Furnace and upgradation of rolling mill at Village Ambey Majra, Mandi Gobindgarh, District Fatehgarh Sahib, Punjab by M/s Surya Steel Industries (Proposal No. SIA/PB/IND /74668 /2021).

The industry has applied for expansion of steel manufacturing unit from existing capacity of 29,400 TPA of Alloys/non-Alloys Steel Billets/Ingots/Round, Square, Bars, Flats and Angles to 1,22,500 TPA of Alloys/Non-Alloys Steel Billets/Ingots/Round, Square, Bars, Flats and Angles by replacing existing induction Furnace and upgradation of rolling mill at Village Ambey Majra, Mandi Gobindgarh, District Fatehgarh Sahib, Punjab. The project is covered under Activity 3(a) & Category 'B1' of the schedule appended with the EIA notification dated 14.09.2006.

The industry has already installed induction furnace of capacity 7 TPH, a Concast and a Rolling mill. Now, the industry intends to replace existing induction furnace with two no. of Induction Furnaces of capacity 15 TPH & 10 TPH and upgrading the rolling mill and concast.

The industry was issued Terms of Reference for carrying out EIA study for obtaining Environmental Clearance under EIA notification dated 14.09.2006 vide letter no. SEIAA/MS/2021/4329 dated 25.06.2021.

The total cost of the project is Rs 27.78 Crore. The project proponent submitted the Form-2, Pre-feasibility report and other additional documents on online portal. The industry deposited 25 % of fee of Rs. 69,450/- at the time of issuance of ToR and also deposited the remaining processing fee amounting to Rs. 2,08,350/- through NEFT No. HDFCR52055040258 dated 02.04.2022 as checked and verified by supporting staff SEIAA.

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

Punjab Pollution Control Board vide email dated 20.04.2022 requested to provide latest construction status report w.r.t the proposal for obtaining Environmental Clearance. Punjab Pollution Control Board vide letter no. 1169 dated 25.04.2022 has sent the latest construction status report with details as under:

"In reference to above referred e-mail, it is intimated that the industry has applied for expansion of the existing steel manufacturing unit by replacing existing induction furnace of capacity 7 TPH with induction furnace of capacity 25 TPH and upgradation of CCM & rolling mill in the existing premises i.e. will Increase the production capacity from 29,400 TPA to 1,22,500 TPA. The proposed site of the Industry was visited by A.E.E. of Regional Office, Fatehgarh Sahib on 20/04.2022 and has reported as under:

Sr. no.	***Information Sought***	***Comments of the Board***

1.	*Construction status of the proposed project. Please send the clear-cut report as to whether construction/new machinery for the proposed project has been started/installed for the project except securing the land.*	*The Industry has not started any construction activity w.r.t. proposed expansion project.*
2.	*Staus of physical structures within 500 m radius of the site including the status of industries, drain, river, eco-sensitive structure if any.*	*The following industries are located within the radius of 500 mtr from the proposed unit:* *1. M/s Vardhman Adarsh Ispat (P) Ktd, Vill. Ambey Majra, Near 220KVA Grid, Mandi Gobindgarh* *2. M/s Sh. Salasa4r Steel Tubes Pvt. Ltd, Ambey Majra, Mandi Govindgarh* *3. M/s Sh. Salasar Steel Structure (P) Ltd., Ambey Majra, Mandi Gobindgarh* *4. M/s Rudra Alloys (P) Ltd., Vill, Ambey Majra, Mandi Gobindgarh* *5. M/s New Power Metals & Alloys, Near Astha Mill, Ambey Majra, Mandi Gobindgarh* *6. M/s Kaytx Industries (P) Ltd., Vill Ambey Majra, Mandi Gobnindgarh* *7. M/s Kanha concast, Vill Ambey Majra, Chattarpura Road, Mandi Gobindgarh* *8. M/s Chandigarh Castings Pvt. Ltd. Vill. Ambey Majra, G.T. Road, Mandi Gobindgarh* *9. M/s Bhawani Castings (P) Ltd., Vill Ambey Majra, Mandi Govindgarh* *10. M/s Akshat Alloys, (Keshav Alloys Pvt. Ltd), Mullanpur Road, Vill, Ambey Majra, Mandi Gobindgarh* *11. M/s Aggarwal Ceramics, Vill. Ambey Majra* *12. M/s M.J. Steel Satle, Vill Kumbran,Near Transport Nagar, Mandi Gobindgarh* *13. M/s Mathli Steels, Vill Kumbhra, Near Truck Stand.* *14. M/s Sidheshwar Alloys Pvt Ltd., Vill Chattarpura Kumbh Road* *15. M/s jR.D. Ispat, Vill. Kumbran, Near Gas Plant Mandi Gobindgarh* *16. M/s Rajdhani Castings Pvi. Ltd, Vill Kumbhra, Tehsil Amloh, Mandi Gobindgarh.* *17. M/s Shree R%Am Multimetals Pvt. Ltd. Vill Kumbhra, Opp. Truck Stand, Mandi Gobindgarh* *18. M/s Durga Multimetals Pvt. Ltd. Vill Chattarpura, Mandi Gobindgarh* *Also, Sirhind Choe (which leads to river Ghaggar) is located within 500 mtr radius of the proposed site.*

3.	*Whether the site is meeting the prescribed criteria for setting up to such type of projects. Please send the clear-cut recommendation.*	*The existing site of the Industry falls in the Industrial Zone as per notified Master Plan of Mandi Gobindgarh (2030-31). The industry has not proposed any additional land. Hence, the proposed site is suitable for expansion of project*

Deliberations during 219th meeting of SEAC held on 29.04.2022.

The meeting was attended by the following:

(i) Mr. Madhur Sood, General Manager, M/s Surya Steel Industries.
(ii) Sh. Sital Singh, Environmental Consultant, M/s. Chandigarh Pollution Testing Laboratory.
(iii) Sh. Sandeep Singh, Consultant, M/s. Chandigarh Pollution Testing Laboratory.

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

<table>
<tr><th>Sr. No.</th><th>Description</th><th colspan="6">Details</th></tr>
<tr><td>1</td><td colspan="7">Basic Details</td></tr>
<tr><td>1.1</td><td>Name of Industry & Project Proponent:</td><td colspan="6">M/s Surya Steel Industries
Mr. Vinod Kumar, Partner</td></tr>
<tr><td>1.2</td><td>Proposal:</td><td colspan="6">SIA/PB/IND/74668/2021</td></tr>
<tr><td>1.3</td><td>Location of Industry:</td><td colspan="6">Village-Ambey Majra Mandi Gobindgarh, District Fatehgarh Sahib, Punjab</td></tr>
<tr><td>1.4</td><td>Details of Land area:</td><td colspan="6">14422.11 sqm as mentioned in the conceptual plan.</td></tr>
<tr><td>1.5</td><td>Category under EIA notification dated 14.09.2006</td><td colspan="6">B1</td></tr>
<tr><td>1.6</td><td>Cost of the project</td><td colspan="6">Rs. 27.78 Crores</td></tr>
<tr><td>1.7</td><td>Compliance of Public Hearing Proceedings</td><td colspan="6"><table>
<tr><th>Sr. No.</th><th>Name & address of the person</th><th>Detail of query / statement / information / clarification sought by the person present</th><th>Reply of the query / statement / information / clarification given by the project proponent</th><th>Action Plan</th><th>Timeline</th></tr>
</table></td></tr>
</table>

			1.	Sh. Gurdeep Singh (Ex-Sarpanch) S/o Sh. Balkar Singh, Village-Ambey Majra, District-Fatehgarh Sahib.	He stated that Villagers have no objection for expansion of the industry. He further stated that the owners of the industry always give full support to the villagers bin social work and they will be happy with the expansion of the industry. Also, they have never faced any problem with pollution caused by the industry and its vehicles. He requested the project proponent to give priority to the residents of this Village for employment in the expansion project.	Environment Consultant on behalf of the project proponent assured to the public that priority will be given to the residents of village Ambey Majra for providing employment according to their educational qualifications.	**During Construction** 50 persons will be employed on contract basis	From the start of time of execution of project to grant of EC, till the completion of construction.
							During Operation 50 persons will be employed as: Skilled = 5 Semi-Skilled = 40 Unskilled = 5	One month before the completion of construction phase.
							Training Semi-Skilled and Unskilled persons will be trained through the existing work force. **Manpower recruitment** Mostly locals except the skilled in IF operation and	
			2.	Sh. Darbara	He stated that they	The industry owner		

				Singh S/o Sh. Bant Singh, Village Ambe Majra, District Fatehgarh Sahib	have no objection for expansion of the industry. Also, he agreed with the suggestions made by Sh. Gurdeep Singh.	agreed with the suggestion.	Maintenance	
2.	**Site Suitability Characteristics**							
2.1	Whether site of the industry is suitable as per the provisions of Master Plan:	The project falls in industrial Zone as per Master Plan of Mandi Gobindgarh						
2.2	Whether supporting document submitted in favour of statement at 2.1, details thereof: (CLU/building plan approval status)	Land Use Classification issued by Department of Town & Country Planning Punjab vide letter no.- 784 DTP (FGS)/NG-62 dated 02/07/2019, wherein it has been mentioned that the site of industry namely M/s Surya Steel Industry falls in industrial use zone as per the Master Plan, Mandi Gobindgarh.						
3	**Forest, Wildlife and Green Area**							
3.1	Whether the industry required clearance under the provisions of Forest Conservation Act 1980 or not:	No land is covered under the Forest Conservation Act 1980. 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 land is covered under Punjab Land Preservation Act (PLPA) 1900. A self-declaration in this regard submitted.						
3.3	Whether industry required clearance under the provisions of Wildlife Protection Act 1972 or not:	No wildlife area is covered under Wildlife Protection Act 1972. Thus, the industry does not require clearance under the provisions of Wildlife Protection Act 1972.						

<table>
<tr><td>3.4</td><td>Distance of the industry from the Critically Polluted Area.</td><td>Ludhiana- 38km.</td></tr>
<tr><td>3.5</td><td>Whether the industry falls within the influence of Eco-Sensitive Zone or not. (Specify the distance from the nearest Eco sensitive zone)</td><td>No, the industry does not fall within the influence of Eco-sensitive zone.</td></tr>
<tr><td>3.6</td><td>Green area requirement and proposed No. of trees:</td><td>The total land area of the industry is 14422.11 sqm. Further, 17.04% of total area i.e 2457.5 sqm is kept for green belt development within the industry. The Project Proponent has purchased/acquired 14211 sqm of additional land outside the industry which is located at a distance of 167.78 m from the project site. Further, the Project Proponent proposed to develop 2944.23 sqm (20.41%) of land out of total purchased/acquired land area of 14211 sqm as green belt to satisfy the condition of 33% of green area. A copy of the land ownership document for the total land area of 14211 sqm acquired by the Project Proponent has been submitted.

Proposed number of trees- 702 trees shall be planted</td></tr>
<tr><td>4.</td><td colspan="2">Configuration & Population</td></tr>
<tr><td>4.1</td><td>Proposal & Configuration</td><td>
<table>
<tr><th>S. No.</th><th>Particulars</th><th>Existing</th><th>Proposed</th><th>After Expansion</th></tr>
<tr><td>1.</td><td>Induction Furnace</td><td>1X7TPH (replaced),</td><td>1X15 TPH & 1x10 TPH</td><td>1X15 TPH & 1x10 TPH</td></tr>
<tr><td>2.</td><td>Rolling mill (Hot/cold rolled)</td><td>01 No.</td><td colspan="2">Upgradation of existing rolling mill</td></tr>
<tr><td>3.</td><td>Concast</td><td>01 No.</td><td colspan="2">Upgradation of existing Concast</td></tr>
<tr><td>4.</td><td>DG Set</td><td>1x125 KVA</td><td>2X365 KVA</td><td>1x125 KVA 2X365KVA</td></tr>
</table>
</td></tr>
<tr><td>4.2</td><td>Population details</td><td>Employment- 150</td></tr>
<tr><td>5</td><td colspan="2">Water</td></tr>
<tr><td>5.1</td><td>Total fresh water requirement:</td><td>92 KLD including domestic water requirement as 6.75 KLD and 85 KLD of cooling water makeup.</td></tr>
<tr><td>5.2</td><td>Source:</td><td>Existing Tube well</td></tr>
<tr><td>5.3</td><td>Whether Permission obtained for abstraction/supply</td><td>Permission for abstraction of 92 KLD of ground water obtained from PWRDA. A copy of the said permission submitted.</td></tr>
</table>

	of the fresh water from the Competent Authority (Y/N) *Details thereof*	
5.4	Total water requirement for domestic purpose:	6.75 KLD
5.4.1	*Total wastewater generation:*	5.4 KLD
5.4.2	*Treatment methodology for domestic wastewater: (STP capacity, technology & components)*	STP of 10 KLD shall be installed for the treatment of wastewater generated from domestic water use and cooling tower blow down.
5.5	Total water requirement for industrial purpose:	85 KLD
5.5.1	*Total effluent generation:*	4 KLD
5.5.2	*Treatment methodology for industrial wastewater: (ETP capacity, technology & components)*	The wastewater shall be treated in the STP of capacity 10 KLD
5.6	Details of utilization of treated wastewater into green area in summer, winter and rainy season:	The total wastewater generation from the industry shall be 9.4 KLD which shall be treated in the STP of capacity 10 KLD. In the summer season, the 9.4 KLD of treated wastewater shall be utilized for the green area of 4810 sqm. Whereas in the winter season, out of total quantity of 9.4 KLD of treated wastewater, 8.7 KLD shall be utilized in the green area and remaining 0.7 KLD shall be utilized in the cooling tower and in the rainy season, out of total quantity of 9.4 KLD of treated wastewater, 2.4 KLD shall be utilized in the green area and remaining 7 KLD shall be utilized in the cooling tower.
5.7	Utilization/Disposal of excess treated wastewater.	The excess treated waste water generated during winter & rainy seasons shall be utilized in the cooling tower as cooling water makeup.
5.9	Rain water harvesting proposal:	The industrial unit has adopted one village pond for rain water harvesting at Village Ambey Majra situated at khasra no. 61, khatouni no. 409 and Khewat no. 225/216. A copy of NOC obtained from Lamberdar of the village Ambey Majra submitted.
6	**Air**	

6.1 Details of Air Polluting machinery:

Sr. No.	Source	Capacity	APCD
1.	Induction Furnace	1X15 TPH	Side Suction hood followed by Pulse jet bag filter with offline cleaning technology
2.	Induction Furnace	1X10 TPH	Side Suction hood followed by Pulse jet bag filter with offline cleaning technology
3.	Rolling Mill (Hot/Cold rolled)	01 no. (Upgradation of existing rolling mill)	The industry will switch over to PNG.
4.	DG Set	1x125kVA 1X365 kVA	Stack with adequate height

6.2	Measures to be adopted to contain particulate emission/Air Pollution	APCDs like Side suction hood followed by pulse jet bag filter with offline technology will be installed.
7	**Waste Management**	
7.1	Slag generation & its management	About 18.5 TPD of slag will be generated and the same will be sold to M/s PD Products (manufacturer of interlocking tiles), focal point, Mandi Gobindgarh. A copy of agreement executed with M/s PD Products on 15.02.2022 submitted.
7.2	APCD dust generation & its management	About 1.26 TPD of APCD dust will be generated and same will be sent to M/s Madhav Alloys Limited for land filling. A copy of agreement executed with M/s Madhav Alloys Limited, Village Akalgarh, Amloh Bhadson Road, District Patiala submitted.
8	**Energy Saving & EMP**	
8.1	Power Consumption:	12MW
8.2	Energy saving measures:	LED shall be used in place of inter lighting. ii) Street lighting shall be done completely with solar energy, likely saving of energy will be as follows: **Load Distribution:** 1. Total Internal Lighting Load = 500 KW 2. Outer Lighting Load = 500 KW 3. Other Power load = 11,000 KW Total Load = 12,000 KW **Saving:** By using LEDs with tube lights = 500 KW by adopting solar energy for outer Lighting (100%) = 500 KW TOTAL = 1000 KW Percentage (1,000/12,000X100) = 8.3%

8.3 Details of activities proposed under Environment Management Plan:

Sr. no.	Title	Capital Cost ₹ Lakh	Recurring Cost ₹ Lakh

	1	Pollution Control during construction stage	5.0	2.0
	2	Air Pollution Control (Installation of APCD)	80.0	50.0
	3	Water Pollution Control (Installation of STP)	50.0	30.0
	4	Green Belt development	2.5	2.5
	5	Noise Pollution Control	6.15	7.22 (for 3 years)
	6	Solid/ Hazardous Waste Management	10.0	10.0
	7	Environment Monitoring and Management	5.0	4.0
	8	Occupational Health, Safety and Risk Management	5.0	7.0
	9	RWH	30.0	5.0
	10	Miscellaneous	15.0	---
	11.	CER	17.0	--
		TOTAL	**225.65 Lakhs**	**117.72**
	Sh. Vinod Kumar, Partner of the industry shall be responsible for the implementation of EMP.			

The Committee was satisfied with the presentation given by the industry and after deliberations, it was decided to award **'Silver Grading'** to the project proposal under category B1, Activity 3 (a) and to forward the application to SEIAA with the recommendations to grant Environmental Clearance for expansion of steel manufacturing unit having existing capacity 29,400 TPA of Alloys/non-Alloys Steel Billets/Ingots/Round, Square, Bars, Flats and Angles to 1,22,500 TPA of Alloys/Non-Alloys Steel Billets/Ingots/Round, Square, Bars, Flats and Angles by replacing existing induction furnace and upgradation of rolling mill and concast plant at Village Ambey Majra, Mandi Gobindgarh, District Fatehgarh Sahib, Punjab subject to the following conditions as under: -

I. Statutory compliance

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

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

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

iv. The project proponent shall obtain 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, 1 no. of pond at Village Ambey Majra having recharge potential of volume @ 1,37,550 m^3 shall be adopted to recharge the water @ 68,775 kl/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 5401.73 Sqm (equal to 37.4% of the plant area) with native tree species in accordance with SEIAA guidelines. Total 702 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 225.65 Lakhs towards the capital cost and Rs 117.72 Lakhs/annum towards recurring cost including the environmental monitoring cost for the implementation of EMP as proposed in EMP plan as under:

Sr. no.	**Title**	**Capital Cost ₹ Lakh**	**Recurring Cost ₹ Lakh**
1	Pollution Control during construction stage	5.0	2.0
2	Air Pollution Control (Installation of APCD)	80.0	50.0
3	Water Pollution Control (Installation of STP)	50.0	30.0
4	Green Belt development	2.5	2.5
5	Noise Pollution Control	6.15	7.22 (for 3 years)
6	Solid/ Hazardous Waste Management	10.0	10.0
7	Environment Monitoring and Management	5.0	4.0
8	Occupational Health, Safety and Risk Management	5.0	7.0
9	RWH	30.0	5.0
10	Miscellaneous	15.0	---
11.	CER	17.0	--
	TOTAL	**225.65 Lakhs**	**117.72**

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.

Item no.219.03: Application for issuance of ToR for Cement manufacturing unit for production of 3,00,000 TPA of Portland/ Ordinary Pozzolana Cement at Khasra No. 206/2, Har Raipur-Khaili Wala Road, Village Har Raipur, Bathinda, Punjab by M/s Richie and Branson Cement Private Limited. (Proposal No. SIA/PB/IND/74374/2022).

The industry has applied for issuance of ToR for establishment of stand-alone Grinding Unit for production of 3,00,000 TPA of Cement at Village Har Raipur, Bathinda, Punjab. The Project is covered under activity 3(b) & Category 'B1' of the schedule appended with EIA Notification, 2006.

The project proponent has submitted the Form I, Pre-feasibility report and other additional documents on online portal. The cost of the project is 4.33 Cr. The industry has also deposited the requisite fee amounting Rs. 10,825/- through NEFT no. PSIBN22080372270 dated 21.03.2022, as checked & verified by supporting staff SEIAA. The Project Proponent has deposited 25% of the total fee prescribed for the Environmental Clearance being at ToR stage and the remaining 75% of the fee i.e. Rs. 32,475/- will be paid at the time of applying for Environmental Clearance.

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

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

Deliberations during 219th meeting of SEAC held on 29.04.2022.

The meeting was attended by the following:

(i) Mr. Anil Kumar, Director, M/s Riche and Branson Cement Private Limited.
(ii) Sh. Sital Singh, Environmental Consultant, M/s. Chandigarh Pollution Testing Laboratory.
(iii) Sh. Sandeep Singh, Consultant, M/s. Chandigarh Pollution Testing Laboratory.

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

Sr.	Description	Details

No.		
1	**Basic Details**	
1.1	Name of Industry & Project Proponent:	Cement manufacturing unit by M/s Richie and Branson Cement Private Limited.
1.2	Proposal:	SIA/PB/IND/74374/2022
1.3	Location of Industry:	Khasra No. 206/2, Har Raipur-Khaili Wala Road, Village Har Raipur, Bathinda, Punjab
1.4	Details of Land area	1.125 acres
1.5	Category under EIA notification dated 14.09.2006	3 (b)
1.6	Cost of the project	Rs. 4.33 Crores
2.	**Site Suitability Characteristics**	
2.1	Whether site of the industry is suitable as per the provisions of Master Plan:	Approval for building plans for setting up of cement unit in the total land area of 1.125 acre located at Village Har Raipur, Tehsil & District Bathinda in the name of M/s Richie and Branson Cement Private Limited was issued by Senior Town Planner vide letter no. 142 dated 14.02.2022 subject to the condition that there is no need for obtaining permission for CLU for standalone industrial projects.
2.2	Whether supporting document submitted in favour of statement at 2.1, details thereof: (CLU/building plan approval status)	As per above
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 land is covered under Punjab Land Preservation Act (PLPA) 1900. A self-declaration in this regard submitted.
3.3	Whether industry required clearance under the provisions of Wildlife Protection Act 1972 or not:	No wildlife area covered under the provisions of Wildlife Protection Act 1972. A self-declaration in this regard submitted.
3.5	Whether the industry falls within the influence of Eco-Sensitive Zone or	No, the site of the industry does not fall in the Eco-sensitive zone.

<table>
<tr><td></td><td>not. (Specify the distance from the nearest Eco sensitive zone)</td><td></td></tr>
<tr><td>4</td><td colspan="2">Water</td></tr>
<tr><td>4.1</td><td>Total fresh water requirement:</td><td>4 KLD</td></tr>
<tr><td>4.2</td><td>Source:</td><td>Tube well</td></tr>
<tr><td>4.3</td><td>Total water requirement for domestic purpose:</td><td>1 KLD</td></tr>
<tr><td>4.4</td><td>Total water requirement for industrial purpose:</td><td>3 KLD</td></tr>
<tr><td>4.5</td><td>Waste water generation & treatment</td><td>0.8 KLD of waste water will generated and the same shall be treated in the septic tank and use for plantation within the industrial premises.</td></tr>
<tr><td>5</td><td colspan="2">Air</td></tr>
<tr><td>5.1</td><td colspan="2">Details of Air Polluting machinery:
<table>
<tr><th colspan="4">Existing</th></tr>
<tr><th>Sr. No.</th><th>Source</th><th>Capacity</th><th>APCD</th></tr>
<tr><td>1.</td><td>Ball mills</td><td>2x500 TPD</td><td>Bag filter house followed by Stack of adequate height</td></tr>
</table></td></tr>
<tr><td>5.2</td><td>Measures to be adopted to contain particulate emission/Air Pollution</td><td>Stack with adequate stack height</td></tr>
<tr><td>6</td><td>Waste Generation</td><td></td></tr>
<tr><td>6.1</td><td>Solid waste generation</td><td>No solid waste shall be generated from the industrial unit</td></tr>
<tr><td>6.2</td><td>Hazardous Waste generation</td><td>
<table>
<tr><th>S. No.</th><th>CATEGORY OF WASTE</th><th>WASTE GENERATED (ltr/annum)</th></tr>
<tr><td>1</td><td>Used oil (ltrs)</td><td>50</td></tr>
</table></td></tr>
</table>

The Committee was satisfied with the presentation given by the promoter company and after deliberations, decided to forward the application of the project proponent to SEIAA with the recommendation to grant Terms of References (ToR) for Cement manufacturing unit for production of 3,00,000 TPA of Portland/ Ordinary Pozzolana Cement at Khasra No. 206/2, Har Raipur-Khaili Wala Road, Village Har Raipur, Bathinda, Punjab by M/s Richie and Branson Cement Private Limited as per the details mentioned in the Form 1, 1A, EMP subject to the following standard ToRs:

A. STANDARD TERMS OF REFERENCE (TOR)

1) **Executive Summary**
2) **Introduction**

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

3) Project Description

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

4) Expansion/Modernization proposals:

(i) Copy of all the Environmental Clearance(s) including Amendments thereto obtained for the project from MOEF/SEIAA shall be attached as an Annexure. A certified copy of the latest Monitoring Report of the Regional Office of the Ministry of Environment and Forests as per circular dated 30th May, 2012 on the status of compliance of conditions stipulated in all the existing environmental clearances including Amendments shall be provided. In addition, status of compliance of Consent to Operate for the ongoing existing operation of the project from SPCB shall be attached with the EIA-EMP report.
(ii) In case the existing project has not obtained environmental clearance, reasons for not taking EC under the provisions of the EIA Notification 1994 and/or EIA Notification 2006 shall be provided. Copies of Consent to Establish/No Objection Certificate and Consent to Operate (in case of units operating prior to EIA Notification 2006, CTE and CTO of FY 2005-2006) obtained from the SPCB shall be submitted. Further, compliance report to the conditions of consents from the SPCB shall be submitted.

5) Site Details

i. Location of the project site covering village, Taluka/Tehsil, District and State, Justification for selecting the site, whether other sites were considered.
ii. A toposheet of the study area of radius of 10km and site location on 1:50,000/1:25,000 scale on an A3/A2 sheet. (including all eco-sensitive areas and environmentally sensitive places)
iii. Details w.r.t. option analysis for selection of site
iv. Co-ordinates (lat-long) of all four corners of the site.
v. Google map-Earth downloaded of the project site.
vi. Layout maps indicating existing unit as well as proposed unit indicating storage area, plant area, greenbelt area, utilities etc. If located within an Industrial area/Estate/Complex, layout of Industrial Area indicating location of unit within the Industrial area/Estate.
vii. Photographs of the proposed and existing (if applicable) plant site. If existing, show photographs of plantation/greenbelt, in particular.

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

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

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

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

xii. Status of acquisition of land. If acquisition is not complete, stage of the acquisition process and expected time of complete possession of the land.

xiii. R&R details in respect of land in line with state Government policy.

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

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

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

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

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

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

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

7) Environmental Status

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

(ii) AAQ data (except monsoon) at 8 locations for PM10, PM2.5, SO2, NOX, CO and other parameters relevant to the project shall be collected. The monitoring stations shall be based CPCB guidelines and take into account the pre-dominant wind direction, population zone and sensitive receptors including reserved forests.

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

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

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

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

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

(viii) Soil Characteristic as per CPCB guidelines.

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

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

(xi) Socio-economic status of the study area.

8) Impact and Environment Management Plan

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

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

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

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

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

(vi) Measures for fugitive emission control

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

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

(ix) Action plan for the green belt development plan in 33 % area i.e., land with not less than 1,500 trees per ha. Giving details of species, width of plantation, planning schedule etc. shall be included. The green belt shall be around the project boundary and a scheme for greening of the roads used for the project shall also be incorporated.

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

requirement from other sources.

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

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

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

9) Occupational health

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

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

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

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

10) Corporate Environment Policy

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

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

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

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

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

12) Enterprise Social Commitment (ESC)

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

13) Any litigation pending against the project and/or any direction/order passed by any Court of Law

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

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

B. SPECIFIC TERMS OF REFERENCE FOR EIA STUDIES FOR CEMENT PLANTS

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

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

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

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

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

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

vii) Energy consumption per ton of clinker and cement grinding

viii) Provision of waste heat recovery boiler

ix) Arrangement for use of hazardous waste

Additional Specific TORs

i) 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 period from December, 2020 to February, 2021 may be utilized.

ii) Project Proponent shall provide details of chimney heights proposed in accordance with relevant Environmental / Air pollution Rules and the industry best practice Norms.

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

iv) The Project Proponent shall obtain consent to establish for the establishment of the unit from Punjab Pollution Control Board under the provisions of the Water Act 1974 & Air Act 1981.

Item No 219.04: Application for obtaining Environmental Clearance under EIA notification dated 14.09.2006 for Warehouse project located at Village Chamaru, Tehsil Rajpura, District Patiala, Punjab, by M/s Colossal Warehouse & Logistics Private Limited. (Proposal No. SIA/PB/MIS/262424/2022).

The project proponent has submitted an application for obtaining Environmental Clearance for setting up of Warehouse project located at Village Chamaru, Tehsil Rajpura, District Patiala, Punjab. The total land area of the project is 91,043.42 sqm (22.49 acres) having built-up area of 50,468.89 sqm. The builtup area of the project is more than 20,000 sqm as such 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 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 land area of 22.5 acres.

The project proponent has submitted the Form 1, conceptual layout plan and additional documents. The Project Proponent has deposited Rs. 1,00,938/- through UTR no. 026728590351/UBIN0903191 dated 15.03.2022. The fee deposited by the Project Proponent has been checked & verified by supporting staff SEIAA.

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

PPCB was requested to send the latest construction status report of the project vide email dated 28.03.2022. The Punjab Pollution Control Board vide letter No. 2615 dated 27.04.2022 has submitted construction status of the project as under:

"In reference to the E-mail dated 28.03.2022 received from EE (SEIAA) on the subject cited above with application of Project Proponent and EE (SEIAA) was requested to send the comments on construction status of the project, status of physical structures within 500 m radius, comments on the suitability of site.

As per application of Project Proponent, the PP has proposed for setting up the industrial and warehouse project in an area measuring 22.49 acres land located in the revenue Estate of Vill. Chamaru, tehsil- Rajpura district-Patiala for storage of products, apparel, leather and related products, wood and products of wood and cork, including furniture, paints and chemicals, articles of straw and plaiting materials, Paper and paper products, printing and reproduction of recorded media, pharmaceuticals, medicinal chemical and botanical product, Rubber, plastics and allied products other non-metallic products, Basic metals, fabricated metal products, including machinery and equipment, Computer, electronic and optical products, Automobiles products, ancillaries and allied products, Defense & Aerospace Industries, Construction equipment and materials etc.

The PP has purchased the land measuring 22.49 acres from M/s Vividha Infrastructure Pvt. Ltd. The M/s Vividha Infrastructure Pvt. Ltd. has obtained CLU on an area measuring 255.28 acres falling in

Vill. Chamaru (H.NO.79) & Mehtabgarh (H.No.77) Tehsil Rajpura & Distt. Patiala for industrial purpose form Housing and Urban Development Department M/s Vividha Infrastructure Pvt. Ltd. was granted EC by SEIAA, vide letter no. SEIAA/ 2018/ 643 dated 24.05.2018 for total land @ 10,33,082 sqm (255.28 acres). Thereafter, M/s Vividha Infrastructure Pvt. Ltd. sought an amendment in EC which has been granted by SEIAA, Punjab vide letter no. DECC/SEIAA/ 2019/628 dated 13.08.2019. Further detail in this regard is not in the record of this office.

The site of the proposed project was visited by the office of the Board on 04.02.2022 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 Proposal.*	*The project Proponent has not started any construction for the proposed project.*
2.	*Status of physical structures within 500 m radius of the site including the status of industries, if any*	*No lal lakir, residential area was found within the 500m from the site and the site is surrounded by agriculture land.*
3.	*Whether the site meets with the prescribed criteria for setting up of such projects.*	*The site falls within industrial estate of M/s Vividha Infrastructure Pvt. Ltd. as stated above therefore, the site is suitable as per the board policy dated 30.04.2013 (copy of CLU enclosed)*

Deliberations during 219th meeting of SEAC held on 29.04.2022.

The meeting was attended by the following:

(i) Sh. Sunil Verma, Head Construction, M/s Colossal Warehouse & Logistics Private Limited.
(ii) Smt. Sadhna Singh, EIA Coordinator, M/s GRC India Private Limited.

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

S. No.	**Description**	**Details**
1	**Basic Details**	
1.1	Name of Project & Project Proponent:	**Project Name:** Industrial & Warehouse Project **Project Proponent:** M/s Colossal Warehouse & Logistics Pvt Ltd
1.2	Proposal:	SIA/PB/MIS/262424/2022
1.3	Location of Project:	Village-Chamaru, Tehsil-Rajpura, District-Patiala, Punjab
1.4	Details of Land area & Built up area:	Plot area = 91,043.42 sqm Built up area = 50,468.89 sqm
1.5	Category under EIA notification dated 14.09.2006	8 (a)

1.6	Cost of the project	INR 105.6 Crores
2.	**Site Suitability Characteristics**	
2.1	Whether project is suitable as per the provisions of Master Plan:	Permission for Change of Land Use and Conveyance Deed submitted, the details of the same are in the following column.
2.2	Whether supporting document submitted in favour of statement at 2.1, details thereof: (CLU/building plan approval status)	1. Permission for Change in Land use (CLU) for the total land area of 255.28 acres falling in village Chamaru & Mehtabgarh, Tehsil Rajpura, District Patiala has been granted by Senior Town Planner, Housing & Urban Development Department, Punjab Bureau of Investment Promotion, GoP vide letter no. PBIP/STP/2016/658 dated 19.09.2016. The Change of Land Use has been issued in the name of M/s Vividha Infrastructure Private Limited. As per CLU, the land has been allotted for Industrial Purpose (Industrial Estate). 2. M/s Colossal Warehouse and Logistics Private Limited has purchased 91,043.42 m^2 (22.5 acres) of Plot at Village-Chamaru, Tehsil-Rajpura, District-Patiala, Punjab for the construction of Industrial & Warehouse Project in the Industrial Estate from M/s. Vividha Infrastructure Pvt. Ltd. A copy of conveyance deed executed between M/s. Vividha Infrastructure Pvt. Ltd. and M/s Colossal Warehouse and Logistics Private Limited 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, a self-declaration in this regard submitted.
3.2	Whether the project required clearance under the provisions of Punjab Land Preservation Act (PLPA) 1900.	No PLPA Land involved in the project.
3.3	Whether project required clearance under the provisions of Wildlife Protection Act 1972 or not:	No, a self-declaration in this regard submitted.
3.5	Whether the project falls within the	Not applicable

<table>
<tr><td></td><td>influence of Eco-Sensitive Zone or not.</td><td></td></tr>
<tr><td>3.6</td><td>Green area requirement and proposed No. of trees:</td><td>Green Area = 9,207 sqm
No. of trees proposed = 1150 trees</td></tr>
<tr><td>4.</td><td colspan="2">Configuration & Population</td></tr>
<tr><td>4.1</td><td>Proposal & Configuration</td><td>During the operation phase, the staff population of the Industrial & Warehouse project is estimated to be 1682 persons</td></tr>
<tr><td></td><td></td><td>
<table>
<tr><th>Sr. no.</th><th>Component</th><th>Built up area on ground floor in sqm</th><th>Built up area on first floor in sqm</th></tr>
<tr><td>1.</td><td>Warehouse I</td><td>16300.05</td><td>800</td></tr>
<tr><td>2.</td><td>Warehouse II</td><td>17883.62</td><td>845.76</td></tr>
<tr><td>3.</td><td>Warehouse III</td><td>13389.3</td><td>663.26</td></tr>
<tr><td>4.</td><td>Drivers Room</td><td>160</td><td>--</td></tr>
<tr><td>5.</td><td>Utility Building</td><td>213.78</td><td>--</td></tr>
<tr><td>6.</td><td>Project Admin Office</td><td>123.12</td><td>--</td></tr>
<tr><td colspan="2">Total</td><td>48159.87 sqm</td><td>2309.02</td></tr>
<tr><td colspan="2">Grand Total</td><td colspan="2">50468.89 sqm</td></tr>
</table>
</td></tr>
<tr><td>4.2</td><td>Population details</td><td>1682 employees in single shift</td></tr>
<tr><td>5</td><td colspan="2">Water</td></tr>
<tr><td>5.1</td><td>Total fresh water requirement:</td><td>1682 @ 20 lpcd= 34 KLD</td></tr>
<tr><td>5.2</td><td>Source:
a. Whether Permission obtained for abstraction/supply of the fresh water from the Competent Authority (Y/N)
Details thereof</td><td>Fresh water supply shall be obtained from M/s Vividha Infrastructure Pvt Ltd.</td></tr>
<tr><td>5.3</td><td>Total wastewater generation:</td><td>46 KLD</td></tr>
<tr><td>5.4</td><td>Treatment methodology:
(STP capacity, technology & Stages of treatment)</td><td>STP capacity: 600 KLD Common STP of M/s Vividha Infrastructure Pvt Ltd based on SBR Technology
Stages of treatment: Equalization, Bio- Degradation, Clarification & Settling & Filtration</td></tr>
<tr><td>5.5</td><td>Treated wastewater for flushing purpose:</td><td>1682 @ 10 lpcd = 17 KLD</td></tr>
</table>

<table>
<tr><td>5.6</td><td>Treated wastewater for green area in summer, winter and rainy season:</td><td>The total quantity of 46 KLD of waste water shall be treated in the common STP installed by M/s Vividha Infrastructure Pvt Ltd. In summer season, the treated wastewater of quantity 68 KLD shall be utilized for recycling including green area development. Out of 68 KLD treated wastewater, 17 KLD shall be utilized for flushing purpose and remaining 51 KLD shall be utilized in the green area of 9207 sqm. Whereas in winter season, the treated wastewater of quantity 17 KLD shall be utilized for flushing & 17 KLD for horticulture & in rainy season, the treated wastewater of quantity 17 KLD shall be utilized for flushing & 5 KLD for horticulture.</td></tr>
<tr><td>5.7</td><td>Utilization/Disposal of excess treated wastewater.</td><td>No excess treated waste water shall be generated. The treated waste water shall be required for green area development, which shall be met through common STP.</td></tr>
<tr><td>5.8</td><td colspan="2">Cumulative Details:
<table>
<tr><th>S. No.</th><th>Total water Requirement</th><th>Total wastewater generated</th><th>Treated wastewater generated from Warehouse project</th><th>Extra treated waste water taken from M/s Vividha</th><th>Flushing water requirement</th><th>Green area requirement</th></tr>
<tr><td>1.</td><td>51 KLD</td><td>46 KLD</td><td>46 KLD</td><td>22 KLD</td><td>17 KLD</td><td>51 KLD</td></tr>
</table></td></tr>
<tr><td>5.9</td><td>Rain water harvesting proposal:</td><td>• Volume of a single Recharge pit = $\pi r^2 h$ =3.14 x 2 x 2 x 5 = 62.8 m^3
• No. of pits required for roof top area = 7 pits.
• No. of pits required for Green area = 1 pit.
• No. of pits required for paved area = 4 pits
Total 12 Rain Water Harvesting pits being proposed for artificial rain water recharge within the project premises</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>4 no. of DG sets of capacity 1200 KVA (1x500 KVA for park infra load + 2x250 KVA warehouse I & II and 1x200 KVA for warehouse III) shall be provided</td></tr>
<tr><td>6.2</td><td>Measures to be adopted to contain particulate emission/Air Pollution</td><td>
<table>
<tr><th>Anticipated Impact</th><th>Mitigation Measures</th></tr>
<tr><td><u>Construction Phase</u>:
1. Dust emission from transportation of construction material.
2. Gaseous emissions from construction machinery.
3. Dust from construction activities.
4. Emission from DG sets.</td><td>1. Site will be enclosed with 5 m high barricade around the project boundary which will act as a wind breaker.
2. Water sprinkling will be carried out for dust suppression.
3. All the machinery deployed at site are of highest standard and of reputed make and comply with the emission standards
4. Low sulphur diesel will be used for DG sets, vehicles and construction machinery.</td></tr>
</table></td></tr>
</table>

		5. Vehicles having valid pollution under control (PUC) certificate will be allowed to enter the project site. 6. The trucks carrying construction materials and debris will be suitably covered by tarpaulin/plastic sheets 7. Speed of the vehicles will be restricted to 20 kmph by erecting speed bumps and signages at regular intervals within project site. 8. DG sets shall be equipped with acoustic enclosure to minimize noise generation and adequate stack height for proper dispersion.

Anticipated Impact	**Mitigation Measures**
<u>Operation Phase</u>: 1. Vehicular movement 2. DG sets operation	1. Tree plantation to attenuate particulate matter. 2. Low sulphur diesel (ULSD) will be used for DG sets. 3. Stack height will be provided as per CPCB norms. 4. Ensure smooth traffic circulation and restriction on vehicular speed within the premises.

7	**Waste Management**	
7.1	Total quantity of solid waste generation	343 kg/day
7.2	Details of management and disposal of solid waste (Mechanical Composter/Compost pits)	Solid wastes will be appropriately segregated (at source. by providing bins) into recyclable, Bio-degradable Components, and non-biodegradable. **<u>Bio-Degradable waste</u>** 1. Bio-degradable waste will be subjected to composting through Organic Waste Converter and the compost will be used as manure. 2. STP sludge is proposed to be used in horticulture. 3. Horticultural Waste is proposed to be composted and used for gardening. **<u>Recyclable waste</u>** i. <u>Grass Recycling</u> – The cropped grass will be spread on green area. It will act as manure after decomposition. ii. Recyclable waste like paper, plastic, metal etc. will be disposed through local approved recyclers. **<u>Disposal</u>**

<table>
<tr><td></td><td></td><td>Recyclable and non-recyclable waste will be disposed through an authorized service provider/vendor.</td></tr>
<tr><td>7.3</td><td>Details of management of plastic waste generated from project</td><td>Recyclable waste like paper, plastic, metal etc. will be disposed through local approved recyclers.</td></tr>
<tr><td>7.5</td><td>Details of generation & management of Hazardous Waste.</td><td>Used Oil from DG Sets shall be generated during servicing and the same shall be sold out to the authorized recyclers.</td></tr>
<tr><td>8</td><td colspan="2">Energy Saving & EMP</td></tr>
<tr><td>8.1</td><td>Power Consumption:</td><td>978 KVA</td></tr>
<tr><td>8.2</td><td>Energy saving measures:</td><td>4 D.G sets of total 1200 KVA (1x500 KVA for Park Infra load+ 2x250 KVA for Warehouse 1 & 2 + 1x200 KVA for Warehouse 3)
<table>
<tr><th>S. No.</th><th>DESCRIPTION</th><th>SAVINGS (kVA)</th></tr>
<tr><td>1.</td><td>Solar based Lighting will be done in the landscape areas, signage, entry gates and boundary walls etc.</td><td>63.863</td></tr>
<tr><td>2.</td><td>LEDs for internal lighting</td><td>191.589</td></tr>
<tr><td colspan="2">Total Energy Saved</td><td>255.453</td></tr>
<tr><td colspan="3">Total energy consumption = 978 kVA
Energy saved through various provisions = 255.453 kVA
TOTAL ENERGY SAVING = 26.12 %</td></tr>
</table></td></tr>
<tr><td>8.3</td><td>Environment Management Plan:</td><td>Submitted</td></tr>
</table>

The Committee perused the Environment Management Plan submitted by the promoter company and observed that the capital as well as recurring cost proposed for solid Waste Management and green area development was found to be on lower side and needs to be revised. The Committee asked the Project Proponent to submit the revised details of the aforementioned activities. The Project Proponent agreed to the same and submitted the revised EMP, details of which are as under:

Construction Phase:

COMPONENT	CAPITAL COST (INR LAKH)	RECURRING COST (INR LAKH/YR)
Ambient Air Monitoring	--	2

Stack Emission Monitoring	--	2
Water Quality Monitoring	--	2
Noise level Monitoring	--	1
Total		**7**

Operation Phase:

COMPONENT	**CAPITAL COST (INR LAKH)**	**RECURRING COST (INR LAKH/YR)**
Sewage Treatment Plant	9.8	2.45
Rain Water Harvesting System	18	4.5
Solid Waste Management	4	6
Environmental Monitoring	Nil	9
Green Area/ Landscape Area	7	7
Others (Energy saving devices, miscellaneous)	10	2.5
CER/CSR		
Plantation in village Chamaru, Bathionin Khurd and Shambo	45	--
Development of pond in Village Chamaru	35	--
Providing Gymnasium equipment's Park in Village Chamaru	34	
	162.8	**31.45**

The Committee further asked the Project Proponent as to whether the layout plan of the proposed Warehouse project has been approved by the Competent Authority or not. The Project Proponent apprised the Committee that request letter for obtaining approval of building plans has already been submitted to the Chief Town Planner, Punjab. A copy of the request letter dated 24.01.2022 along with the building plan submitted to Chief Town Planner, Punjab, PUDA Bhawan was submitted during meeting. The Committee noted the same and took the reply of the Project Proponent on record.

After detailed deliberations, SEAC decided to award **'Silver Grading'** to the project proposal and to forward the application of the project proponent to SEIAA with the recommendation to grant Environmental Clearance for establishment of Warehouse project in the land area of 91,043.42 sqm (22.49 acres) having built-up area of 50,468.89 sqm at Village Chamaru, Tehsil Rajpura, District Patiala, Punjab, as per the details mentioned in the Form 1, 1A, EMP & subsequent presentation /clarifications made by the project proponent and his consultant subject to the following conditions.

I. Statutory compliances:

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

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

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

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

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

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

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

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

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

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

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

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

xiii) The project proponent shall get the layout plans approved from the Competent Authority for the activities / establishments to be set up at project site in consonance of the project proposal for which this environment clearance is being granted.

II. Air quality monitoring and preservation

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

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

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

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

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

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

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

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

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

x) Grinding and cutting of building material in open area shall be prohibited. Wet jet shall be provided for grinding and stone cutting.

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

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

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

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

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

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

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

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

III. Water quality monitoring and preservation

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

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

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

iv) The total domestic water for the project will be 51 KL/day, out of which fresh water demand of 34 KL /day shall be met through M/s Vividha Infrastructure Pvt Ltd. Total fresh water use shall not exceed the proposed requirement as provided in the project details.

v) a) The total wastewater generation from the project will be 46 KL/day, which will be treated in STP of capacity 600 KL/day to be installed within the project premises. As proposed, treated wastewater available at outlet of STP will be disposed as under: -

S. No.	Total water Requirement	Total wastewater generated	Treated wastewater generated from Warehouse project	Extra treated waste water taken from M/s Vividha	Flushing water requirement	Green area requirement
1.	51 KLD	46 KLD	46 KLD	22 KLD	17 KLD	51 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 construction phase, the project proponent shall ensure that the waste water being generated from the labour quarters/toilets shall be treated and disposed in environment friendly manner. The project proponent shall also exercise the option of modular bio-toilets or will provide proper and adequately designed septic tanks for the treatment of such waste water and treated effluents shall be utilized for green area/plantation.

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

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

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

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

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

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

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

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

Sr. No	Nature of the Stream	Color code
a)	Fresh water	Blue
b)	Untreated wastewater from Toilets/ urinal and from Kitchen	Black
c)	Untreated wastewater from Bathing/shower area, hand washing (Washbasin / sinks) and from Cloth Washing	Grey
d)	Reject water streams from RO plants and AC condensate (this is to be implemented wherever centralized AC system and common RO has been proposed in the Project). Further, in	White

	case of individual houses/establishment this proposal may also be implemented wherever possible.	
e)	Treated wastewater (for reuse only for plantation purposes) from the STP treating black water	Green
f)	Treated wastewater (for reuse for flushing purposes or any other activity except plantation) from the STP treating grey water	Green with strips
g)	Storm water	Orange

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

xv) The CGWA provisions on rain water harvesting should be followed. A rain water harvesting plan needs to be designed where the recharge bores of minimum one recharge bore per 5,000 square meters of plot area and storage capacity of minimum one day of total fresh water requirement shall be provided. In areas where ground water recharge is not feasible, the rain water should be harvested and stored for reuse. As per the proposal submitted by the project proponent, 12 no. rain water recharge pits have been proposed for ground water recharging as per the CGWB norms. The ground water shall not be withdrawn without approval from the Competent Authority.

xvi) All recharge should be limited to shallow aquifer.

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

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

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

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

xxi) No sewage or untreated effluent would be discharged through storm water drains. Onsite sewage treatment with capacity to treat 100% waste water will be installed. The installation of the Sewage Treatment Plant (STP) shall be certified by an independent expert and a report in this regard shall be submitted to the Ministry / SEIAA before the project is commissioned for operation. Treated waste water shall be reused on-site for landscape, flushing, and other end-uses. Excess treated water shall be discharged as per statutory norms notified by the Ministry of Environment, Forest and Climate Change. Natural treatment systems shall be promoted.

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

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

IV. Noise monitoring and prevention

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

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

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

V. Energy Conservation measures

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

ii) Outdoor and common area lighting shall be LED.

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

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

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

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

VI. Waste Management

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

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

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

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

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

vi) The Project Proponent shall leave 100 sqm of land within the project for management of solid waste generated from the project and shall install mechanical composter & material recovery facility for segregation of dry waste at the said piece of land.

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 environment friendly materials.

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

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 single line plantation all around the boundary of the project as proposed shall be provided. The open spaces inside the plot should be suitably landscaped and covered with vegetation of indigenous species/variety. The project proponent shall ensure planting of 1150 trees in the project area at the identified location, as per proposal submitted, with plants of native species preferably having broad leaves. The size of the plant thus planted should not be less than 6 ft and each plant shall be protected with a fence and properly maintained. The project proponent shall make adequate provisions of funds to ensure maintenance of the plants for a further period of three years. The plants shall be protected and maintained by the project proponent or Residents Welfare Association, as the case may be, even after three years. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping. The plantation should be undertaken as per SEIAA guidelines.

iii) Where the trees need to be cut with prior permission from the concerned local Authority, compensatory plantation in the ratio of 1: 10 (i.e. planting of 10 saplings of the same species for every tree that is cut) shall be done and the newly planted saplings will be maintained for at least 5 years. Green belt development shall be undertaken as per the details provided in the project document.

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

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

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

VIII. Transport

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

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

b) Traffic calming measures.

c) Proper design of entry and exit points.

d) Parking norms as per local regulations.

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

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

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

IX. Human health issues

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

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

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

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

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

X. Environment Management Plan

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

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

iii) Action plan for implementing EMP and environmental conditions along with the responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year-wise funds earmarked for environmental protection measures shall be kept in separate accounts and will not be diverted for any other purpose. The project proponent shall spend the minimum amount of Rs.162.8 Lacs towards the capital cost and Rs. 7 Lacs/annum towards recurring cost in the construction phase of the project and Rs. 31.45 lacs as recurring cost in the operation phase including the environmental monitoring cost as per the details given as under:

Construction Phase:

COMPONENT	CAPITAL COST (INR LAKH)	RECURRING COST (INR LAKH/YR)
Ambient Air Monitoring	--	2
Stack Emission Monitoring	--	2
Water Quality Monitoring	--	2
Noise level Monitoring	--	1
Total		**7**

Operation Phase:

COMPONENT	CAPITAL COST (INR LAKH)	RECURRING COST (INR LAKH/YR)
Sewage Treatment Plant	9.8	2.45
Rain Water Harvesting System	18	4.5
Solid Waste Management	4	6
Environmental Monitoring	Nil	9
Green Area/ Landscape Area	7	7
Others (Energy saving devices, miscellaneous)	10	2.5
CER/CSR		
Plantation in village Chamaru, Bathionin Khurd and Shambo	45	--
Development of pond in Village Chamaru	35	--
Providing Gymnasium equipment's Park in Village Chamaru	34	
	162.8	**31.45**

The entire cost of the environmental management plan will continue to be borne by the project proponent until the responsibility of the environmental management plan is transferred to the occupier under intimation to SEIAA, Punjab. Year-wise progress of implementation of the action plan shall be reported to the Ministry/Regional Office along with the Six-monthly Compliance Report.

XI. Validity

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

XII. Miscellaneous

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

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

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

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

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

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

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

viii) The project proponent shall inform the Regional Office as well as SEIAA Punjab, the date of financial closure and final approval of the project by the concerned authorities,

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

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

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

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

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

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

XIII. Additional Conditions

i) The Project Proponent shall use water efficient fixtures to reduce water consumption.

ii) The Project Proponent shall provide treatment by providing ultra-filtration to treat the wastewater up to tertiary level.

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

iv) 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.

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

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

Item No 219.05: Application for amendment in Environmental Clearance under EIA notification dated 14.09.2006 for the establishment of the Group Housing project namely "EL SPAZIA" located at Village Singhpura, Zirakpur, SAS Nagar, by M/s Allwin Infrastructure Limited (Proposal No. SIA/PB/MIS/263838/2022).

The project proponent was granted Environmental Clearance vide letter no. SEIAA/2019/657 dated 22.08.2019 for the establishment of the Group Housing project namely "EL Spazia" in the land area of 13,298 sqm having built up area of 36721 sqm., at village Singhpura, Zirakpur, SAS Nagar, Punjab.

The project proponent has applied for amendment in the Environmental Clearance and submitted Form-4 along with copy of the earlier Environment Clearance granted to the project. As per the application proposal, the project proponent has proposed to construct the group housing in the land area of 13298 sq.m having built-up area of 38334 sq.m thereby proposing the increase of the built-up area by 1613 sq.m.

The Project Proponent has submitted a copy of layout plan approved from Municipal Council Zirakpur as on 25.03.2021. As per the said layout plan, the total built up area of the project comes out as 38334 sqm including the built-up area as per achieved FAR as 352147 sqft., basement parking as 17493 sqft., club basement as 2223 sqft., and stilt parking as 40759 sqft. This built-up area adds up to 412622 sqft. (38334 sqm).

The project proponent deposited the processing fee of Rs. 4340/- through UTR No. SBIN22028462567 dated 07.04.2022, as checked & verified by supporting staff SEIAA.

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

Deliberations during 219th meeting of SEAC held on 29.04.2022.

The meeting was attended by the following:

(i) Sh. Lokesh Lewania, Project Head, M/s Allwin Infrastructure.
(ii) Sh. Sital Singh, Environmental Consultant, M/s. Chandigarh Pollution Testing Laboratory.
(iii) Sh. Deepak Gupta, Environmental Advisor of the Project Proponent.

SEAC allowed the Environmental Consultant of Project Proponent to present the case as such the Environment Consultant submitted that there is an increase in built-up area from 36721 sqm to 38334 sqm for which the amendment in Environmental Clearance has been sought. The increase of 1613 sqm in built-up area was due to the increase in Non-FAR area of 785 sqm each in Tower D & E and 43 sqm in Club Building.

After detailed deliberations, SEAC decided to forward the case with recommendation to SEIAA for amendment in the Environmental Clearance already granted to the Project Proponent vide SEIAA letter no. SEIAA/2019/657 dated 22.08.2019.

Item No 219.06: Application for obtaining expansion in Environmental Clearance under EIA notification dated 14.09.2006 for the expansion of the group housing project namely "Marbella Grand" located at group housing site no. 3, IT City, Sector 82 Alpha, SAS Nagar, Punjab, by M/s SRG Developers & Promoters (Proposal No. SIA/PB/MIS/73021/2021).

Earlier the project proponent was granted Environmental Clearance vide SEIAA/2018/329 dated 21.03.2018, for the group housing project namely "**Marbella Grand**" located at group housing site no. 3, IT City, Sector 82 Alpha, SAS Nagar, Punjab. The said EC was granted for construction of 704 No. of flats. The plot area of the project was 45037 sqm and total built up area as 144580 sqm. The project was covered under activity 8 (a) and category B2 of EIA notification dated 14.09.2006.

The project proponent has submitted an application for obtaining expansion in Environmental Clearance for the construction of total no. of 604 flats and 22 No. of shops by increasing the built-up area from 144580 sqm to 252940 sqm. The Project is now covered under activity 8 (b) and category B1 of the schedule appended with the EIA notification dated 14.09.2006.

The Project Proponent was issued ToR by the MoEF&CC vide letter no. SEIAA/PB/MIS/ToR/02 dated 02.08.2021.

The project proponent has submitted the Form 1, conceptual layout plan along with EIA report incorporated with the compliance of the Terms of References and other additional documents. The Project Proponent has deposited the processing fee as per Govt. of Punjab notification dated 27.06.2019, amounting to Rs. 71,078 through NEFT with reference no. AXSK212090006115/3511 dated 28.07.2021. Further, the Project Proponent has also deposited the processing fee as per Govt. of Punjab notification dated 27.06.2019, amounting to Rs. 37,282/- through NEFT with reference no. AXSK220630026266 dated 04.03.2022, as checked and verified by supporting staff SEIAA.

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

PPCB vide letter no. 5230 dated 14.09.2021 has submitted certified compliance report of the conditions of the previous Environment Clearance granted to the Project Proponent.

Punjab Pollution Control Board vide letter no. 2313 dated 18.04.2022 has sent the latest construction status report with details as under:

"It is intimated that vide email dated 21/03/2022 SEIAA has sought the report w.r.t. construction status of physical structures within 500 m radius of the site and compliance regarding siting criteria for this project.

It is further intimated that the project proponent was earlier granted environment clearance for establishment of group housing project namely Marbella Garand in IT city, sec-82A, Mohali having 704 flats in a plot area of 45037 sqm and built up area of 144580 sqm. As per the earlier EC, the total population on full occupancy was expected to be 3520 persons and wastewater @ 563 KLD after treatment in STP of 600 KLD will be disposed in flushing @ 158 KLD, green area @ 76 KLD and excess into GMADA sewer.

Now as per the revised proposal submitted by the project proponent the flats have reduced from 704 to 604 flats and additional 11 SCOs, 1 club house have been proposed. The built up area will be increased from 144580 sqm to 252939 sqm after revision.

The project site was visited by officer of the board on 31/03/2022 and it was observed as under:

1) *The representative informed that in the revised proposal following components are proposed and their status of constriction is as under :*

Sr. No	*Name of blocks*	*No. of Flats*	*No. of floors*	*Status of construction*
1.	*Block-A*	*44 flats and 11 shops*	*S+23*	*Excavation started*
2.	*Block-B*	*84 flats and 4 pent houses*	*S+24*	*Structure as well as interior of S+22 floors completed*
3.	*Block-C*	*42 flats and 2 pent houses*	*S+24*	*Basement slab completed an stilt partially completed*
4.	*Block-D*	*84 flats and 4 pent houses*	*S+24*	*Basement slab completed an stilt partially completed*
5.	*Block-E*	*84 flats and 4 pent houses*	*S+24*	*Structural work of S+11 floors completed*
6.	*Block-F*	*80 flats and 4 pent houses*	*S+24*	*Structure work of S+24 floors completed interior work under progress*
7.	*Block-G*	*80 flats and 4 pent houses*	*S+24*	*Structure work of S+24 floors completed interior work under progress*
8.	*Block-H*	*80 flats and 4 pent house*	*S+24*	*Structure work of S+24 floors completed interior work under progress*
9.	*Club House*			*No construction work has been started*
	TOTAL	*578 flats and 26 pent houses*		

2) *The project proponent has installed one no. RMC plant at site.*
3) *The project proponent has installed one no. DG set of 62.5 KVA and one no. DG set of 125 KVA with canopy and adequate stack height.*
4) *The project proponent is yet to start the construction of rain water harvesting structure.*
5) *The GMADA has laid down sewer in the sector the GMADA has presently installed modular STP of 250 KLD and the STP is yet to be made functional properly.*
6) *A drain Jagatpura drain also passes at a distance of around 50 m outside the project premises.*
7) *No MAH industry/ cement plant/ grinding unit/ rice sheller/ saila plant/ 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 industry is located within 100 mtr of the proposed site.*

Therefore, the site of the project is conforming to the sitting guidelines laid down by the Govt. of Punjab, Department of Science Technology and Environment vide order dated 25/07/2008 as amended on 30/10/2009.

It is pertinent to mention here that the proposed site is situated within the jurisdiction of M. C, Mohali/ GMADA. However, the STP installed by GMADA authorities is not adequate to cater the quantity of additional effluent of this project. However, the upgradation of exiting STP installed by GMADA authorities is yet to be made."

Deliberations during 219th meeting of SEAC held on 29.04.2022.

The meeting was attended by the following:

(i) Sh. Ajay Goel, General Manager, M/s SRG Developers & Promoters.
(ii) Sh. Sital Singh, Environmental Consultant, M/s. Chandigarh Pollution Testing Laboratory.
(iii) Sh. Deepak Gupta, Environmental Advisor of the Project Proponent.

SEAC allowed the Environmental Consultant of Project Proponent to present the salient features of the project. Thereafter, Environmental Consultant 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>"Marbella Grand" Developed by M/s SRG Builders & Promoters Pvt Ltd</td></tr>
<tr><td>1.2</td><td>Proposal:</td><td>Expansion of the residential group housing project</td></tr>
<tr><td>1.3</td><td>Location of Project:</td><td>Group Housing Site no. 3, IT City, Sector 82 Alpha, SAS Nagar.</td></tr>
<tr><td>1.4</td><td>Details of Land area & Built up area:</td><td>
<table>
<tr><th>S. No.</th><th>Description</th><th>Earlier EC (Sqm)</th><th>Additional (Sqm)</th><th>Total (Sqm)</th></tr>
<tr><td>1</td><td>Land</td><td>45037</td><td>--</td><td>45037</td></tr>
<tr><td>2</td><td>Built-Up Area</td><td>144580</td><td>108360</td><td>252940</td></tr>
<tr><td>3</td><td>Green Area</td><td>13848</td><td>-2047</td><td>11801</td></tr>
</table>
</td></tr>
<tr><td>1.5</td><td>Category under EIA notification dated 14.09.2006</td><td>8 (b)
Township and Area Development Project</td></tr>
<tr><td>1.6</td><td>Cost of the project</td><td>
<table>
<tr><th>S. No.</th><th>Description</th><th>Earlier EC (Rs. In Crore)</th><th>Additional (Rs. In Crore)</th><th>Total (Rs. In Crore)</th></tr>
<tr><td>1</td><td>Land</td><td>107.87</td><td>--</td><td>107.87</td></tr>
<tr><td>2</td><td>Building</td><td>139.13</td><td>105</td><td>244.13</td></tr>
<tr><td colspan="2">Total</td><td>247</td><td>105</td><td>352</td></tr>
</table>
</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>The proposed site is situated within the jurisdiction of MC Mohali/GMADA</td></tr>
</table>

<table>
<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>GMADA vide Memo no. 2452 dated 16.01.2018 issued Allotment Letter in the name of M/s SRG Developers & Promoters Pvt Ltd. for the establishment of Group Housing Project at Group Housing Site no. 3, IT City, Sector 82 Alpha, SAS Nagar.</td></tr>
<tr><td>3</td><td colspan="2">Forest, Wildlife and Green Area</td></tr>
<tr><td>3.1</td><td>Whether the project required clearance under the provisions of Forest Conservations Act 1980 or not:</td><td>No, Self-declaration to the effect that no land of the project is covered under the provisions of the Forest Conservations Act 1980.</td></tr>
<tr><td>3.2</td><td>Whether the project required clearance under the provisions of Punjab Land Preservation Act (PLPA) 1900.</td><td>No, Self-declaration 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, Self-declaration submitted</td></tr>
<tr><td>3.4</td><td>Whether the project is located within the 10 Km radius of the Critically Polluted Area.</td><td>No, the site of the project located in Sector 82, SAS Nagar</td></tr>
<tr><td>3.5</td><td>Green area requirement and proposed No. of trees:</td><td>1. As per earlier Environmental Clearance accorded to the project proponent, total green area proposed was 13848 sq.m
2. As per the present proposal, total green area proposed was 11801 sqm i.e 26% of the area shall be developed as green area. Further, total number of trees proposed to be planted are 795 in no.</td></tr>
<tr><td>4.</td><td colspan="2">Configuration & Population</td></tr>
<tr><td>4.1</td><td>Proposal & Configuration</td><td>
<table>
<tr><td>S. No.</td><td>Description</td><td>Earlier EC</td><td>Additional</td><td>Total</td></tr>
<tr><td>1</td><td>Flats</td><td>704</td><td>-100</td><td>604</td></tr>
<tr><td>2</td><td>Shops</td><td>--</td><td>22</td><td>22</td></tr>
</table>
</td></tr>
<tr><td>4.2</td><td>Population details</td><td>
<table>
<tr><td>S. No.</td><td>Description (Population)</td><td>Earlier EC (Persons)</td><td>Proposed (Persons)</td><td>Total (Persons)</td></tr>
<tr><td>1</td><td>Flats</td><td>3520</td><td>-500</td><td>3020 (604 Flats@5 persons per Flat)</td></tr>
<tr><td>2</td><td>Shops</td><td>--</td><td>44</td><td>44</td></tr>
</table>
</td></tr>
</table>

						(22 Shops@2 persons per Shop)	
				Total	**3520**		**3064**
5	**Water**						
5.1	Total fresh water requirement:	274 KLD					
5.2	Source:	Ground water					
5.3	Whether Permission obtained for abstraction/supply of the fresh water from the Competent Authority (Y/N) *Details thereof*	Acknowledgement of the application submitted to PWRDA for abstraction of 274 KLD of ground water submitted.					
5.4	Comparison of the total water requirement as per the earlier Environmental Clearance and afresh proposal	**Points**	**As per earlier EC**	**As per fresh proposal**			
		Total Water requirement	**704 KLD**	3020x135 lpcd +44x45 lpcd=**410 KLD**			
5.4	Total wastewater generation:	328 KLD					
5.5	Comparison of the total waste water generation as per the earlier Environmental clearance & fresh proposal	**Points**	**As per earlier EC**	**As per fresh proposal**			
		Total wastewater generation	704x0.8 = **563 KLD**	410x0.8=**328 KLD**			
5.5	Treatment methodology: *(STP capacity, technology & components)*	STP of capacity 480 KLD based on SBR shall be installed.					
		Points	**As per earlier EC**	**As per fresh proposal**			
		Proposal of STP	600 KLD capacity based on SBR technology.	480 KLD capacity based on SBR technology			
5.5	Treatment methodology: *(STP capacity, technology & components)*	STP of capacity 480 KLD shall be installed.					
5.6	Treated wastewater for flushing purpose:	136 KLD					
5.7	Treated wastewater for green area in summer, winter and rainy season:	Summer-65 KLD Winter-21 KLD Rainy-06 KLD					
5.8	Utilization/Disposal of excess treated wastewater.	Summer-127 KLD Winter-171 KLD Rainy-186 KLD					
5.9	Cumulative Details:						

<table>
<tr><td></td><td colspan="3">
<table>
<tr><th>Sr. No.</th><th>Seasons</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><th>Into sewer</th></tr>
<tr><td>1.</td><td>Summer</td><td>410</td><td>328</td><td>328</td><td>136</td><td>65</td><td>127</td></tr>
<tr><td>2.</td><td>Winter</td><td>410</td><td>328</td><td>328</td><td>136</td><td>21</td><td>171</td></tr>
<tr><td>3.</td><td>Rainy</td><td>410</td><td>328</td><td>328</td><td>136</td><td>06</td><td>186</td></tr>
</table>
*An allotment letter issued by GMADA wherein a condition has been incorporated that the allotee shall be entitled for the sewer and storm water connection in the main sewer and storm network developed by GMADA submitted.
</td></tr>
<tr><td>5.10</td><td>Rain water harvesting proposal:</td><td>The rainwater collected from the roof top, green area and roads& paved areas has been estimated as 20144 cum/year. Total no. of 12 rain water harvesting pits shall be constructed to the recharge the ground water.</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>DG sets of capacity 2x500 KVA, 1x240 KVA, 2x125 KVA shall be installed.</td></tr>
<tr><td>6.2</td><td>Measures to be adopted to contain particulate emission/Air Pollution</td><td>Adequate stack height shall be provided.</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>1217 kg/day</td></tr>
<tr><td>7.2</td><td>Details of management and disposal of solid waste (Mechanical Composter/Compost pits)</td><td>Mechanical composter for treatment of wet component of the solid waste shall be installed however, capacity not mentioned.</td></tr>
<tr><td>7.3</td><td>Whether dedicated area has been earmarked for the management of the dry and wet component of the solid waste or not?</td><td>Yes, location has been earmarked as MSW in the conceptual plan however area for the management of the solid waste has not been specified. The project aims to generate more than 12 Ton MSW per day including dry and wet waste as such a dedicated storage area of at least 500 sq yards is required to be provided for installation of Mechanical Composter, sorting of dry waste and for maturation & drying of the wet waste after composter.</td></tr>
<tr><td>7.5</td><td>Details of management of Hazardous Waste.</td><td>Used oil@100-200 lt/annum shall be generated and the same shall be sold out to authorized recyclers/vendors.</td></tr>
<tr><td>8</td><td>Energy Saving & EMP</td><td></td></tr>
<tr><td>8.1</td><td>Power Consumption:</td><td>3900 KW</td></tr>
<tr><td>8.2</td><td>Energy saving measures:</td><td>• Solar Light 20 No = 30 KWHD
• Common area (800) lights replaced with LED = 432 KWHD
• Solar water heater for the total water required = 500 Ltr
• Energy Saving @2200 KWH annually with 100 liters solar heated water use/day
• Energy Saved 500 x2200/100 = 11000 KWH/year = 30KWH/day
• Total Energy saved/day 30+432+30 = 492 KWHD</td></tr>
<tr><td>8.3</td><td colspan="2">Details of activities under Environment Management Plan:</td></tr>
</table>

During construction phase General Manager, Project will be responsible for implementation of the EMP and during operation phase Partner shall be responsible for implementation of EMP. The details of the activities to be undertaken under the rubric of the EMP is as under:

Sr. no	Description	Capital Cost (Rs. in Lacs)	Recurring cost (Rs. in Lacs)
Construction Phase			
1.	Medical Cum First Aid	0.50	1.0
2.	Toilets for Sanitation System	3.0	1.0
3.	Wind breaking curtains	14.0	5.0
4.	Sprinklers for suppression of dust	6.0	3.0
5.	Sewage Treatment Plant	100	--
6.	Solid Waste Segregation & Disposal	10	--
7.	Green Belt including grass coverage	50	--
8.	RWHP	14	--
9.	Ambient Air Monitoring (Every Month)	--	3.0
10.	Drinking Water (Every Month)	--	2.40
11.	Noise Level Monitoring (Every Month)	--	0.5
	Total	**197.5**	**15.90**
Operation Phase			
1.	Sewage Treatment Plant	--	5.0
2.	Solid Waste segregation & Disposal	--	6.0
3.	Green Belt including grass coverage	--	12.0
4.	RWHP	--	2.0
5.	Ambient Air Monitoring (Every 3 Months)	--	3.0
6.	Drinking Water (Every Month)	--	2.40
7.	Noise Level Monitoring (Every 3 Months)	--	0.50
8.	Treated Effluent Monitoring (6 Months)	--	1.0
Total		**--**	**31.90**

The Committee perused the conceptual plan of the project for which the earlier Environmental Clearance was granted and observed that as per earlier conceptual plan, the Project Proponent has proposed to construct 704 Flats (3 BHK + Store) / (S+23) in Block 1 & 2 and Club Building in Block 3. Now, as per the expansion proposal, the total no. of 604 Flats & 22 Shops shall be constructed in Block A (5 BHK) / (G+23), Block B (4 BHK) / (S+24), Block C (4 BHK) / (S+24), Block D (4 BHK) / (S+24), Block E (3BHK) / (S+23), Block

F (3 BHK) / (S+23), Block G (3 BHK) / (S+23), Block H (3 BHK) / (S+23) & Block I – Club Building. As per the construction status report furnished by Punjab Pollution Control Board, the excavation of Block A started, structure as well as interior of S+22 floors completed in Block B, basement slab completed & stilt partially completed in Block C & D, structure work of S+11 Floors completed in Block E, structure work of S+24 floors completed & interior work under progress in Block F, G & H and no construction work has been started in Club House. The Committee apprehended that the Project Proponent may have done construction activity in the proposed expansion project.

The Project Proponent has proposed to generate 1217 kg/day of solid waste from the project. The Committee observed that the Project Proponent falls under the category of Bulk Waste Generator as per the guidelines issued by Ministry of Housing & Urban Development, framed under the ambit of Solid Waste Management Rules 2016. Further, it is required to manage the solid waste generated from the project within the project premises. The Project Proponent has not earmarked any dedicated area for the management of wet waste through mechanical composter/vermi compost and for the management of dry waste through Material Recovery Facility (MRF) within the project premises. The Committee asked the Project Proponent to earmark the dedicated area in the layout plan for the management of solid waste and submit the detailed solid waste management plan. The Project Proponent agreed to the same.

The Committee further observed that earlier the Project Proponent has proposed to develop of green area of 13848 sqm, however, as per the expansion proposal, the green area has been reduced to 11801 sqm. The Committee asked the Project Proponent to specify the reason for decrease in the green area. The Project Proponent could not submit any satisfactory reply to which the Committee directed the Project Proponent not to decrease the total green area as earlier proposed by the Project Proponent. The Project Proponent agreed to the same.

After detailed deliberations, SEAC decided to defer the case till the reply of the aforementioned observations.

1. The Project Proponent shall submit the details of blocks to be constructed, number of basements, stilt + floors, number of flats (3 BHK, 4 BHK, 5 BHK etc.) & shops to be constructed in each block, present status of construction of each block for earlier EC granted viz-a-viz for expansion proposal.
2. The Project Proponent shall earmark dedicated area in the layout plan for the management of solid waste. Further, it shall submit the detailed solid waste management plan for the management of wet waste through mechanical composter/ vermi compost and for the management of dry waste through segregation at Material Recovery Facility (MRF).
3. The Project Proponent shall not decrease the green area from 13848 sqm, as proposed earlier.
4. The land area mentioned in the conceptual plan does not match with the land area mentioned in the application form. The Project Proponent shall clarify the actual land area for which the Environmental Clearance has been sought.
5. The Project Proponent shall also submit the estimation of population, water consumption, waste water generation, re-use of treated waste water for flushing & green area and ultimate disposal of surplus water.

Item no. 219.07: Application for Environmental Clearance under EIA notification dated 14.09.2006 for establishment of chemical manufacturing unit for manufacturing of Formaldehyde, Resin and Glue by M/s Pheonyx Polychem, Plot No. C-13, Industrial Growth Centre, Pathankot, Tehsil & District Pathankot, Punjab. (Proposal No. SIA/PB/IND3/74889/2021).

The industry has applied for Environmental Clearance under EIA notification dated 14.09.2006 for establishment of chemical manufacturing unit for manufacturing of Formaldehyde, Resin and Glue @ 200 TPD at plot no. C-13, Industrial Growth Centre, Pathankot, Tehsil & District Pathankot, Punjab.

The project is covered under activity 5(f) and category B1 of the schedule appended with the EIA notification dated 14.09.2006. The General & Specific conditions are applicable to the said category and as per the application proposal the interstate boundary of Himachal Pradesh is located at a distance of 9 km from the project site. Further, the inter-state boundary of Jammu & Kashmir is located at a distance of 5.5 km from the project site. Since, the inter-state distance from the two of the states is more than 5 km and there is no protected area notified under Wildlife Protection Act 1972, critically polluted area and Eco-sensitive area, therefore, despite of the applicability of General condition, the project attracts the provisions of the category B and shall be appraised at state level.

The industry was issued Terms of Reference vide letter no. SEIAA/PB/IND/2021/ToR/22 dated 18.11.2021. Now, the industry has submitted EIA report after incorporating the compliance Terms of Reference issued by the SEIAA.

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

The Cost of project is Rs. 5.84 Crores and the industry had already deposited Rs. 14,600/- on dated 26.10.2021 and remaining processing fee of Rs. 43,800/- vide UTR No. N089221894072996 dated 30.03.2022. The adequacy of fee deposited by the Project Proponent has been checked and verified by the supporting staff of SEIAA.

PPCB was requested to send the latest construction status report of the project vide email dated 13.04.2022. The Punjab Pollution Control Board vide letter No. SPL-1 dated 27.04.2022 has submitted construction status of the project as under:

"In reference to above it is intimated that site of the unit M/s Phoenix Polytime to be established in Industrial Growth Centre, Pathankot was visited by the AEE of RO, Batala on 22.04.2022 and it was observed as under: -

1. The site of the proposed project is situated in plot C-13 of Industrial Growth Centre, Pathankot and the area of the said plot is approx. 0.35 acres.
2. There is no construction activity/ fabrication work being done/started at the site. No construction of boundary wall/ fencing has been done at the site.
3. The site of the proposed unit is surrounded by different industrial units as the site is situated in Industrial Growth Centre. On one site there is a lead melting unit and on another side there is steel tank manufacturing unit. In front of the unit, there is a wood lamination (sunmica) manufacturing unit.
4. In 500 maters radius, there are other industries (Distillery, Kraft Paper Mill & Beverages unit etc). The residential area of the Industrial Growth Centre is about 500-550 meters away from the site and is having 20 no. of houses. The abadi of village Akhawana is around 300 meters from the proposed site. There is one Brick kiln at around 1 Km from site.
5. There is one frain namely Haler Khad at around 1 Km from the site, however, it is seasonal drain. There is no eco sensitive zone around the site.
6. The said unit is already situated in designated area (industrial area) as per Master Plan. Moreover, the Board has not framed any specific siting guideline for these types of industries."

Deliberations during 219th meeting of SEAC held on 29.04.2022.

The meeting was attended by the following:

(i) Mr. Shiva, Manager, M/s Pheonyx Polychem.
(ii) Sh. Sital Singh, Environmental Consultant, M/s. Chandigarh Pollution Testing Laboratory.
(iii) Sh. Deepak Gupta, Environmental Advisor of the Project Proponent.

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

Sr. No.	Description	Details
1	Basic Details	
1.1	Name of Industry & Project Proponent:	M/S PHEONYX POLYCHEM Sh. Sahil Aggarwal, Partner
1.2	Proposal:	SIA/PB/IND3/74889/2021
1.3	Location of Industry:	Plot No.- C-13, Industrial Growth Centre, Pathankot, Tehsil & District- Pathankot, Punjab.
1.4	Details of Land area & Built up area:	3484 sqm
1.5	Category under EIA notification dated 14.09.2006	B1
1.6	Cost of the project	Rs. 5.84 Crores
1.7	Compliance of Public Hearing Proceedings	The unit is being established in notified industrial Focal Point developed by PSIEC (State Govt. Undertaking). As per the OM dated 27.04.2018 issued by MoEF&CC, relevant portion of the same is as under:

		"The exception for public consultation under EIA notification to the project or activities located within the industrial estates or parks if applicable as under: *1. Which were notified by the Central Govt. or the State/UT Govt. prior to the said notification coming into force on 14.09.2006."* As mentioned in the application proposal, the focal point was developed by PSIEC in the year 1993-94 prior to the issuance of the notification by MoEF&CC in 14.09.2006. Therefore, the public consultation is not required. A copy of layout plan for Growth Centre at Pathankot uploaded on the website of the PSIEC was submitted. It has been mentioned in the layout plan that this drawing is computerized re-production of original drawing no. DTP/PSIEC/92/31 on 10.02.1992 and prepared on 12.04.2016.
2.	**Site Suitability Characteristics**	
2.1	Whether site of the industry is suitable as per the provisions of Master Plan:	The project site falls in notified Industrial Zone as per master plan of Pathankot.
2.2	Whether supporting document submitted in favour of statement at 2.1, details thereof: (CLU/building plan approval status)	1. A copy of allotment letter issued by PSIEC vide no. 13153 dated 27.08.2018, wherein it has been mentioned that the plot no. C-13 at industrial growth centre, Pathankot measuring 3750 sqyards is being allotted in the name of Sh. Sahil Aggarwal S/o Sh. Manmohan Aggarwal on 99 years lease hold basis for the manufacturing of Formaldehyde. 2. A copy of possession letter dated 21.09.2020 for the plot area measuring 4166.66 sq.yards situated in IGC Pathankot submitted.
3	**Forest, Wildlife and Green Area**	
3.1	Whether the industry required clearance under the provisions of Forest Conservation Act 1980 or not:	No land is covered under Forest Conservation Act 1980, 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 land is covered under Punjab Land Preservation Act 1900, a self-declaration in this regard submitted.
3.3	Whether industry required clearance under the provisions of Wildlife Protection Act 1972 or not:	The project does not attract the provisions of Wildlife Protection Act 1972, a self-declaration in this regard submitted.
3.4	Whether the industry falls within the influence of Eco-Sensitive Zone or not. (Specify	No, the industry does not falls within the influence of Eco-sensitive zone.

<table>
<tr><td></td><td>the distance from the nearest Eco sensitive zone)</td><td></td></tr>
<tr><td>3.5</td><td>Green area requirement and proposed No. of trees:</td><td>33% of total area i.e., 1152 sqm is kept for green belt development.
Proposed number of trees- 170</td></tr>
<tr><td>4.</td><td colspan="2">Raw Material & product details</td></tr>
<tr><td>4.1</td><td>Raw Material Details</td><td>
<table>
<tr><th>PRODUCT</th><th>NAME OF RAW MATERIAL</th><th>QUANTITY</th><th>SOURCES</th></tr>
<tr><td rowspan="2">Formaldehyde</td><td>Methanol</td><td>96 TPD</td><td>Local market</td></tr>
<tr><td>Water</td><td>108 TPD</td><td>Ground water</td></tr>
<tr><td rowspan="3">Melamine Formaldehyde Resin</td><td>Melamine</td><td>305 Kg per ton</td><td>Local market</td></tr>
<tr><td>Formaldehyde</td><td>705 Kg per ton</td><td>In-house mfg.</td></tr>
<tr><td>Caustic</td><td>5 Kg per ton</td><td>Local market</td></tr>
<tr><td rowspan="3">Phenol Formaldehyde Resin</td><td>Phenol</td><td>500 Kg per ton</td><td>Local market</td></tr>
<tr><td>Formaldehyde</td><td>565 Kg per ton</td><td>In-house mfg.</td></tr>
<tr><td>Caustic</td><td>5 Kg per ton</td><td>Local market</td></tr>
<tr><td rowspan="4">Urea Formaldehyde Resin</td><td>Urea</td><td>305 Kg per ton</td><td>local market</td></tr>
<tr><td>Formaldehyde</td><td>705 Kg per ton</td><td>In-house mfg.</td></tr>
<tr><td>Acetic Acid</td><td>5 Kg per ton</td><td>Local market</td></tr>
<tr><td>Caustic</td><td>5 Kg per ton</td><td>Local market</td></tr>
</table>
</td></tr>
<tr><td>4.2</td><td>Product Details</td><td>
<table>
<tr><th>Sr. No.</th><th>Product Name</th><th>Quantity</th></tr>
<tr><td>1.</td><td>Formaldehyde, Resins & Glue</td><td>200 Tonnes/day</td></tr>
</table>
</td></tr>
<tr><td>5</td><td colspan="2">Water</td></tr>
<tr><td>5.1</td><td>Total water requirement:</td><td>Total Water requirement- 137 KLD
Domestic Use- 2 KLD
Cooling (makeup water) -15 KLD
Boiler-5 KLD
Green belt-5 KLD
Manufacturing process 110 KLD</td></tr>
<tr><td>5.2</td><td>Source:</td><td>PSIEC Water Supply/ own Tube Well</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 60 KLD ground water is filed to PWRDA. Remaining quantity of 77 KLD shall be met from PSIEC.</td></tr>
</table>

<table>
<tr><td>5.4</td><td>Total water requirement for domestic purpose:</td><td>2 KLD</td></tr>
<tr><td>5.4.1</td><td>Total wastewater generation:</td><td>1.7 KLD</td></tr>
<tr><td>5.4.2</td><td>Treatment methodology for domestic wastewater:
(STP capacity, technology & components)</td><td>ETP cum STP of capacity 15 KLD shall be installed.</td></tr>
<tr><td>5.5</td><td>Total water requirement for industrial purpose:</td><td>130 KLD</td></tr>
<tr><td>5.5.1</td><td>Total effluent generation:</td><td>5 KLD @ Process Effluent,
1 KLD @ Boiler blow down,
2 KLD @ cooling tower blow down</td></tr>
<tr><td>5.5.2</td><td>Treatment methodology for industrial wastewater:
(ETP capacity, technology & components)</td><td>ETP-cum-STP of capacity 15 KLD shall be installed.</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>The water requirement for development of green area for three seasons is mentioned below.
Summer- 6.4 KLD
Winter-2.1 KLD
Rainy-0.6 KLD</td></tr>
<tr><td>5.7</td><td colspan="2">Cumulative Details:
<table>
<tr><th>Sr. No.</th><th>Particulars</th><th>Water Consumption (KLD)</th><th>Waste Water Generation (KLD)</th><th>Treatment & Disposal</th></tr>
<tr><td>1</td><td>D.M. Water (for Process)</td><td>110</td><td>5</td><td rowspan="4">Total 9.7 KLD of effluent shall be treated in ETP-cum-STP of capacity 15 KLD and reused back within the premises.</td></tr>
<tr><td>2</td><td>Cooling water (Makeup Water)</td><td>15</td><td>2</td></tr>
<tr><td>3</td><td>Boiler</td><td>5</td><td>1</td></tr>
<tr><td>4</td><td>Domestic Use</td><td>2</td><td>1.7</td></tr>
<tr><td>5</td><td>Green Area</td><td>5</td><td>-</td><td></td></tr>
<tr><td colspan="2">Total</td><td>137</td><td>9.7</td><td></td></tr>
</table></td></tr>
<tr><td>5.8</td><td>Rain water harvesting proposal:</td><td>The proposed industry has adopted one village pond for rain water harvesting at Village Ranipur, Block Sujanpur (Pathankot). A copy of NOC issued by Village Sarpanch, Mrs. Krishna Devi of Village Ranipur, Block Sujanpur submitted.</td></tr>
<tr><td>6</td><td colspan="2">Air</td></tr>
<tr><td>6.1</td><td colspan="2">Details of Air Polluting machinery & APCD:</td></tr>
</table>

Sources	Capacity	Treatment /Management
Fire wood/Biomass briquette-based Boiler	0.1 no. of capacity 600 kg/hour	Cyclone separator will be provided along with stack of adequate height as APCD.
HSD based D.G. set	160 KVA	DG set is attached with canopy and a stack of adequate height as per norms
Fugitive emissions from manufacturing process	-----	Wet Scrubber will be installed

7	**Waste Management**	
7.1	Solid waste generation & its management (Mechanical Composter/Compost pits)	

Category	Type of Waste	Color of Bins	Disposal Method	Total Waste (Kg/day)
Bio Degradable	Organic Waste	Green	Recycler	7.2
Non-Biodegradable	Recyclable Waste	Blue	Recycler	4.8
	Total			12

7.2	Hazardous Waste generation & its management	

Type of Waste & category	Quantity	Disposal Method
ETP sludge (35.1)	30 kg/month	will be collected and stored separately and disposed of at TSDF site.
Empty containers (33.1)	100 no. month	Sale to authorized recyclers.
Used oil/ spent oil (5.1)	0.05 KLPA	Sale to authorized recyclers

The Project Proponent needs to mention the name of the authorized recyclers to whom the hazardous waste of category 33.1 and 5.1 shall be given.

8	**Energy Saving & EMP**	
8.1	Energy Saving	Solar panel for outer lighting, LED lights for inner lighting will be used as power saver. About 10%energy will be save. Street lighting shall be done completely with solar energy, likely saving of energy will be as follows:

<table>
<tr><td></td><td></td><td>Load Distribution:
1. Total Internal Lighting Load = 10KW
2. Outer Lighting Load = 10 KW
3. Other Power load = 180 KW
Total Load = 200 KW
Saving: By using LEDs with tube lights = 20 KW
By adopting solar energy for outer Lighting (100%) = 20 KW
TOTAL = 200 KW
Percentage (20/200X100) = 10%</td></tr>
<tr><td>8.2</td><td>Power Consumption:</td><td>
<table>
<tr><th>S. No.</th><th>Description</th><th>Unit</th><th>Proposed</th><th>Total</th></tr>
<tr><td>1.</td><td>Power load</td><td>KW</td><td>200</td><td>200</td></tr>
<tr><td>2.</td><td>D.G. Set</td><td>KVA</td><td>1x160</td><td>1x160</td></tr>
</table>
</td></tr>
<tr><td>8.3</td><td>Energy saving measures:</td><td>LEDs will be used.</td></tr>
<tr><td>8.4</td><td>Details of activities proposed under Environment Management Plan:</td><td>Submitted</td></tr>
</table>

The Committee perused the water balance submitted by the Project Proponent and observed that in summer season, total quantity of 9.5 KLD is received at the outlet of the ETP-cum-STP, out of which 4.5 KLD shall be utilized for cooling purpose and 5 KLD shall be utilized for green area development. The remaining 1.4 KLD required for green area development shall be met through fresh water supply. In winter season, total quantity of 9.5 KLD is received at the outlet of the ETP cum STP, out of which 7.4 KLD shall be utilized for cooling purpose and 2.1 KLD shall be utilized for green area development. In rainy season, total quantity of 9.5 KLD is received at the outlet of the ETP cum STP, out of which 8.9 KLD shall be utilized for cooling purpose and 0.6 KLD shall be utilized for green area development.

The Committee further perused the details of the capital as well as recurring cost incurred upon the activities under EMP and observed that the separate cost has been proposed for installation of STP and ETP, however, as per proposal Single Treatment System (ETP-cum-STP) based on Physico Chemical Treatment followed by Biological Treatment has been proposed to be installed. Therefore, combined capital & recurring cost for the installation of ETP-cum-STP shall be taken in the EMP. The Project Proponent has submitted the revised details of the activities under EMP as under:

Sr. No.	Details	Capital Cost (In Lacs)	Recurring Cost (In Lacs/annum)
1.	APCD	5	0.5
2.	ETP	15.5	2.0
3.	OCEMS	0	0

4.	Green belt development with maintenance plan for 3 years	5	0.5
5.	Rain Water Harvesting	8	0.3
6.	Environment Monitoring	0.2	0.35
7.	Solid Waste Management	0.8	0.25
8.	Energy Conservation	0.5	0.2
9.	Disaster and Risk Management	5	1.5
10.	Any other		
	Total	**40.00**	**5.6**

After detailed deliberations, SEAC decided to award **'Silver Grading'** to the project proposal under category B2, Activity 5 (f) and to forward the application to SEIAA with the recommendations to grant Environmental Clearance for establishment of chemical manufacturing unit for manufacturing of Formaldehyde, Resin and Glue by M/s Pheonyx Polychem, Plot No. C-13, Industrial Growth Centre, Pathankot, Tehsil & District Pathankot, Punjab, subject to the following conditions as under:

I. Statutory compliance

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

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

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

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

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

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

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

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

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

II. Air quality monitoring and preservation

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

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

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

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

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

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

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

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

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

III. Water quality monitoring and preservation

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

ii. The total wastewater generated from the unit shall not exceed 9.7 KLD and the said quantity shall be treated in the ETP cum STP based on physico Chemical followed by biological treatment.

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

iv. Total fresh water requirement shall not exceed the quantity of 137 KLD as proposed in the proposal application. Prior permission shall be obtained from the concerned regulatory authority/CGWA in this regard.

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

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

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

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

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

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

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

IV. Noise monitoring and prevention

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

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

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

V. Energy Conservation measures

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

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

VI. Waste management

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

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

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

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

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

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

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

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

VII. Green Belt

i. The green belt shall be developed in more than 33% of the total project area, mainly along the plant periphery, in downward wind direction, and along road sides etc. Total 172 trees to be planted without accounting the shrubs and protect the same with tree guard made of concrete.

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

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

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

VIII. Safety, Public hearing and Human health issues

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

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

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

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

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

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

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

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

IX Validity of Environmental Clearance.

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

X Environmental Management Plan

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

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

iii. Action plan for implementing EMP and environmental conditions along with the responsibility matrix of the company shall be prepared and shall be duly approved by the competent authority. The year-wise funds earmarked for environmental protection measures shall be kept in separate accounts and will not be diverted for any other purpose. The project proponent shall spend the minimum amount of Rs. 40.0 Lacs towards the capital cost and Rs. 5.6 Lacs/annum towards recurring cost in the construction & operation phase of the project including the environmental monitoring cost as per the details given below:

Sr. No.	Details	Capital Cost (In Lacs)	Recurring Cost (In Lacs/annum)
11.	APCD	5	0.5
12.	ETP	15.5	2.0
13.	OCEMS	0	0
14.	Green belt development with maintenance plan for 3 years	5	0.5
15.	Rain Water Harvesting	8	0.3
16.	Environment Monitoring	0.2	0.35
17.	Solid Waste Management	0.8	0.25
18.	Energy Conservation	0.5	0.2
19.	Disaster and Risk Management	5	1.5
20.	Any other		
	Total	**40.00**	**5.6**

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

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

XI. Miscellaneous

i. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department etc. shall be

obtained, by project proponent from the competent authorities including Punjab Pollution Control Board and from other statutory bodies as applicable.

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

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

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

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

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

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

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

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

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

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

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

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

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

XII. ADDITIONAL CONDITIONS:

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

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

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

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

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

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

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

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

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