**Proceedings of 201st meeting of State Environment Impact Assessment Authority (SEIAA) held on 22.02.2022 (Tuesday) in the Conference Hall no. 1 (Room No 311), 2nd Floor of MGSIPA at 10:30 AM, MGSIPA Complex, Sector-26, Chandigarh.**

The meeting was attended by the following members:

1) Sh. Hardeep Singh Gujral,
Chairman, SEIAA

2) Sh. Rajesh Dhiman, IAS
Member Secretary, SEIAA

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

Er. Parveen Saluja, Environmental Engineer SEIAA and Sh. Aushwinder Singh, Scientist-B along with other supporting staff also attended the meeting.

**Item No. 01: Confirmation of the proceedings of 200th meeting of State Environment Impact Assessment Authority held on 08.02.2022.**

The proceedings of 200th meeting of State Environment Impact Assessment Authority (SEIAA) held on 08.02.2022 were circulated through E-mail on 14.02.2022 with a request to send comments so that the same can be incorporated in the proceedings. Certain observations were received through email which have been incorporated in the said proceedings and the final proceedings have been circulated on 15.02.2022.

Environmental Engineer apprised SEIAA that additional condition no. iii) of the Environmental Management Plan imposed in the proceedings of item no. 200.04 and 200.05 of 200th meeting of SEIAA held on 08.02.2022 has been incorrectly recorded due to a typographical error and the same is required to be ratified with the condition mentioned as under:

**Condition no. iii) of Item No. 200.04**

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. 175.63 Lacs towards the capital cost and Rs. 80.83 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. | Title | Capital Cost Rs. Lakh | Recurring Cost Rs. Lakh |
|---|---|---|---|
| 1 | Pollution Control during construction stage | 1.0 | 1.0 |
| 2 | Air Pollution Control (Installation of APCD) | 20.0 | 10.0 |
| 3 | Water pollution (ETP & MEE) | 100.0 | 50.0 |
| 4 | Noise Pollution Control | 2.0 | 0.20 |

| | | | |
|---|---|---|---|
| 5 | Landscaping/ Green Belt Development (No. of trees- 663) | 6.63 | 6.63 (3 years) |
| 6 | Solid/Hazardous Waste Management | 5.0 | 3.0 |
| 7 | Environment Monitoring and Management | 0 | 2.0 |
| 8 | Occupational Health, Safety and Risk Management | 10.0 | 3.0 |
| 9 | Rain Water Harvesting (RWH) | 10.0 | 1.5 |
| 10 | Energy conservation | 5.0 | 0.50 |
| 11 | Miscellaneous | 4.0 | 0 |
| 12 | CER Activities | 12.0 | 3.0 |
| | **TOTAL** | **175.63** | **80.83** |

**CER activities*:**

As proposed, the project proponent shall spend amount of Rs. 15 lacs under CER activities as per details given below:

| Sr. No. | Activities | Annual Expenditure (in lakhs) | Timeline | Recurring Expenditure (in lakhs) |
|---|---|---|---|---|
| 1. | A pond of village Bhagwanpur, Dera Bassi shall be adopted to make its surrounding environment pollution free by adopting the following measures:<br>(i) Phytorid technology to treat the waste water discharge into the pond.<br>(ii) Tree plantation of 6ft size around the pond. | 8 | 1 year | 2 |
| 2. | **Plantation**<br>400 tall plants of minimum 6ft height and woody stem of native species like Neem, Drek, Kadam, Kusum, Semul, Pilkhan, Peepul, Banyan, Chakrassia etc shall be planted inthe vicinity of the project and same shall be maintained for 3 years | 4 | 1 year | 1 |
| **Total** | | **12** | **1 year** | **3** |

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.

**Condition no. iii) of Item No. 200.05**

Capital Cost of amount Rs. 58.5 lacs to be spent in the construction phase be read as 64.5 lacs and recurring cost of amount Rs. 17.4 lacs/annum to be spent in the operation phase be read as 20.4 lacs/annum

SEIAA decided to amend and impose the additional conditions no. iii) in the Item No. 200.04 and 200.05 of 200th meeting of SEIAA held on 08.02.2022 as mentioned above. As such, SEIAA confirmed the final proceedings of the 200th meeting as circulated on 15.02.2022 with the above said ratification.

**Item No. 02:** **Action taken on the proceedings of 200th, 199th meeting of State Environment Impact Assessment Authority held on 08.02.2022, 25.01.2022 and action on Item no's 193.04 of 193rd, 196.04 and 196.05 of 196th meeting of SEIAA held on 11.11.2021 and 28.12.2021 respectively.**

SEIAA was apprised that requisite action on the proceedings of 200th meeting held on 08.02.2022 is being taken whereas action on the proceedings of 199th meeting of State Environment Impact Assessment Authority held on 25.01.2022 and actions on Item no's 193.04 of 193rd, 196.04 and 196.05 of 196th meeting of SEIAA held on 11.11.2021 and 28.12.2021 have been completed. Environmental Clearance letters have been uploaded on the Parivesh portal, which have been e-verified by Member Secretary, SEIAA. Extracts of all the items, TOR letters, amendment in the EC and clarifications letters and other letters have been signed by the Environmental Engineer, SEIAA in compliance with the decision of SEIAA and uploaded on the Parivesh portal.

With respect to the item no. 199.01 and item no. 199.05, SEIAA was apprised that Environmental Clearance issued to KMG Vetures (item No. 199.01) will be uploaded on Parivesh portal shortly and that CWP 19281 of 2021 (Item No. 199.05) is listed for hearing on 22.02.2022. SEIAA directed that action on the proceedings of 200th meeting of SEIAA held on 08.02.2022 on the said items shall be completed at the earliest and Action Taken Report of the same be placed in the next meeting of SEIAA.

**Item No. 201.01: Application for issuance of Environmental Clearance for proposed Steel Manufacturing Unit Namely M/s SG Metals and Steels India Pvt. Ltd. for production capacity of 1,55,000 TPA of Billets or 1,50,000 TPA of Strips/Bars at Village Shahpur, Khanna-Amloh Road, Tehsil Amloh, Distt. Fatehgarh Sahib, Punjab. (Proposal No. SIA/PB/IND/63190/2021).**

Background and salient features of the matter are as under:

The project proponent has applied for obtaining Environmental Clearance for the setting up of Steel Manufacturing Unit Namely M/s SG Metals and Steels India Pvt. Ltd. for production capacity of 1,55,000 TPA of Billets or 1,50,000 TPA of Strips/Bars at Village Shahpur, Khanna-Amloh Road, Tehsil Amloh, Distt. Fatehgarh Sahib, Punjab. The Project is covered under Activity 3(a) & Category 'B1' as per EIA Notification, 2006. The cost of the Project is Rs. 26.4297 Cr.

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/2021/4578 dated 23.07.2021.

The project proponent has submitted final EIA report along with TOR compliance and proceedings of the public hearing and other relevant information on online portal. The requisite fees of 1,98,222/- has been deposited vide NEFT No. N350211754802827 dated 16.12.2021.

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.

Furthermore, PPCB vide letter no. 26277 dated 10.12.2021 sent the proceedings of the public hearing of the said project, wherein the documents pertaining to the construction status, suitability of site and adequacy of pollution control has been mentioned. The relevant portion of the same is as under:

"The site of the industry was visited by the AEE of Regional Office, Fatehgarh Sahib on 05.10.2021 and the point wise comments are as under:

| Sr. No. | Information sought | Comments of the Board |
|---|---|---|
| 1. | Comments regarding suitability of site | The proposed site of the project is located in the revenue estate of Village Shahpur, which falls in the Industrial zone as per Master Plan of Mandi Gobindgarh (2010-2031). The site of the industry having latitude and longitude (30 39'17.13"N, 76 13,57.75"E). No specific siting guidelines have been framed by the Board for such type of units, however the proposed site of the industry is suitable for |

| | | |
|---|---|---|
| | | establishment of said unit, as per siting criteria prescribed by the Board vide circular no. EE (Mega)/2013/19650-19761 dated 30.01.2013. |
| 2. | Adequacy of pollution control equipments | The industry has proposed to install side suction hood followed by bag house filter as APCD with its proposed 3 No. induction Furnaces of capacity 2x8.5 TPH & 1x8 TPH.<br><br>There will be no generation of trade effluent. However, the industry has proposed to install STP of capacity 5 KLD for the treatment of domestic effluent @ 3.6 KLD and the treated water will be used in plantation/green area.<br><br>The proposal submitted by the industry for control of Air & Water population is principally adequate. However, the industry shall be bound to submit the adequacy certificate of proposed APCD from the PSCST, Chandigarh before the commissioning of the unit.<br><br>As per the proposal submitted by the industry, hazardous waste of category 35.1 @ 1.2 TPA will be generated and the same will be disposed off to authorized re-processor as per hazardous @ Other Wastes (Management & Transboundary Movement) Rules, 2016. |
| 3. | Construction status | The industry has not started any construction activity w.r.t proposed project. |

In addition to above, the industry is also having 33% green area of the total land to develop plantation as per requirement of the Environmental Clearance. The industry has also submitted NOC from Village Salana Jeon Singh Wala, Block Amloh, District Fatehgarh Sahib regarding adoption of existing Village pond for rain water harvesting and artificial recharge of ground water. It will treat the domestic effluent of village by developing treatment technology with Thaper model and the treated water will be discharge into village pond, which will be used ground water recharge and irrigation of farms."

**1.0 Deliberations during 214th meeting of SEAC held on 09.02.2022.**

The meeting was attended by the following:

(i) Mr. Hansraj Garg, Director of the promoter company.

(ii) Dr. Sandeep Garg, EIA Coordinator, M/s Eco laboratories Pvt Ltd.

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

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

| Sr. No. | Item No. | Details |
|---|---|---|
| 1. | Nature of Project | Proposed Steel Manufacturing Unit namely M/s SG Metals and Steels India Pvt. Ltd. at Village Shahpur, Khanna-Amloh Road, Tehsil Amloh, Distt. Fatehgarh Sahib, Punjab |
| 2. | Category/Activity | Activity: 3(a): Metallurgical Industries (ferrous & non-ferrous) Category: B-1 |
| 3. | a. Project area involves forest land, (Yes/No),<br>If yes, then details of the the extent of area involved and copy of permission & approval for the use of forest land<br>b. Project area involves land under PLPA (Yes/No),<br>If yes, then details of the the extent of area involved and copy of permission & approval for the use of PLPA land<br>c. Project area involves Wild Life Area, (Yes/No),<br>If yes, then details of the extent of area involved and copy of permission & approval under Wild Life (Protection) Act 1972 for the use of said land. | No, an undertaking to the effect that the no land area of the project is involved under the Forest Conservation Act 1980 or PLPA Act 1900 and Wildlife (Protection) Act 1972 submitted. Further, the Project Proponent submitted a copy of NOC issued by DFO Patiala, vide letter no. 3704 dated 28.07.2021 wherein it was mentioned that no forest land is involved for the setting up of the project and no land area of the project is involved under the provision of PLPA Act 1900 and Wild life Protectioin Act 1972. |
| 4. | Whether the projec is located in the notified eco-sensitive zone. | No notified eco-sensitive zone is located within 10 km of the study area of the project. Bir Bhadson Wild Life Sanctury is located at a distance of 15 Km as per the NOC obtained by DFO Patiala issued vide letter no. 3704 dated 28.07.2021. |

<table>
<tr><td>5.</td><td>Self declaration regarding litigation</td><td>An undertaking regarding no litigation pending against the land on which the project is to be developed, submitted.</td></tr>
<tr><td>6.</td><td>Whether the project falls in critical polluted area notified by MoEF&CC/ CPCB.</td><td>No, the project site is not falls under critically polluted area as notified by MoEF&CC/ CPCB.</td></tr>
<tr><td>7.</td><td>a. Total Project Cost<br><br>b. Total project cost breakup at current price level</td><td>a. The total estimated cost of Project: Rs. 26.42 Crores.<br>b. The break-up of the project cost is given as under:
<table>
<tr><th>S. No.</th><th>Description</th><th>Total cost (Rs. in Cr.)</th></tr>
<tr><td>1.</td><td>Land</td><td>0.027</td></tr>
<tr><td>2.</td><td>Building</td><td>2.16</td></tr>
<tr><td>3.</td><td>Plant & Machinery</td><td>23.088</td></tr>
<tr><td>4.</td><td>Pollution Control Devices (APCD & STP)</td><td>1.05</td></tr>
<tr><td>5.</td><td>Others</td><td>0.10</td></tr>
<tr><td colspan="2">Total</td><td>26.42</td></tr>
</table></td></tr>
<tr><td>8.</td><td>Amount of Proccesing Fee deposited by NEFT/DD</td><td>The applicable fees will be Rs, 10,000/- per crore of the project cost.<br>Thus, the overall estimated fees will be Rs. 2,64,297/-.<br>Out of this, TOR fees of amounting Rs. 66,075 /- @ 25% has already been submitted.<br>Thus, EC fees of amounting Rs. 1,98,222/- @ 75% has been paid online vide NEFT Reference No. N350211754802827 dated 16.12.2021.</td></tr>
<tr><td>9.</td><td>Details of CLU & Other relevant details.</td><td>Permission for CLU obtained for the total land area 5.431 acres issued by Senior Town Planner housing and urban devlopment PBIP in the name of Sh. Ganesh Edibles Pvt. Ltd., Village Shahpur, District Fatehgarh Sahib.</td></tr>
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<table>
<tr><td></td><td></td><td>A copy of lease agreement dated 18.05.2021 for the total land area of 4.15 acres executed between M/s Sh. Ganesh Edibles Pvt. Ltd. and M/s S.G Metals and Steel India Pvt. Ltd. submitted. The lease is valid for time period of 31 years, from dated 01.04.2021 to 31.03.2052.<br><br>Beside above, land area of 18 Kanal, 18 Marla at Village Shahpur, Tehsil Amloh, Mandi Gobindgarh, bearing khasra no. 39//11/2(7-11), 12/1/2 (0-5), 12/2/1 (3-11), 40//15/2 (7-11) has been purchased for utilizing for carrying out plantation. An affidavit in this regard has been submitted by the Project Proponent.</td></tr>
<tr><td>10.</td><td>Details of technology proposed for control of emissions & effluents generated from project</td><td>
<table>
<tr><th>S. No.</th><th>Details of proposed APCD/STP</th><th>Technology</th><th>Capacity</th></tr>
<tr><td>1.</td><td>APCD</td><td>Side Suction Hood followed by Pulse Jet Bag Filter</td><td>2 × 12.5 TPH</td></tr>
<tr><td>2.</td><td>STP</td><td>MBBR</td><td>5 KLD</td></tr>
</table>
</td></tr>
<tr><td>11.</td><td>Plot Area Details</td><td>Area breakup of the project is given below:
<table>
<tr><th>S. No.</th><th>Description</th><th>Area (in sq.m.)</th></tr>
<tr><td>1.</td><td>Total Plot Area</td><td>16661.71 sq.m</td></tr>
<tr><td>2.</td><td>Proposed covered area</td><td>6,733.27</td></tr>
<tr><td>3.</td><td>Other covered areas</td><td>177.03</td></tr>
<tr><td>4.</td><td>Green area inside the industrial unit (@ 20.22%)</td><td>3,369.88</td></tr>
<tr><td>5.</td><td>Green area outside the industrial unit(@13%)</td><td>2172.39</td></tr>
<tr><td>6.</td><td>Passage area</td><td>4,414.49</td></tr>
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</td></tr>
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| | | | | |
|---|---|---|---|---|
| | | 7. | Staff parking area | 30.20 |
| | | 8. | Open and other areas | 1,936.80 |
| 12. | Type of project land as per master plan | The project falls in Industrial Zone as per Master Plan of Mandi Gobindgarh Industrial zone. (A copy of the Master Plan indicating the location of project site in the industrial zone of Mandi Gobindgarh submitted) | | |
| 13. | ToR Compliance Report | Submitted | | |
| 14. | **Compliance Report of Public Hearing Proceedings (Action Taken)** | | | |

| S. No. | Name & Address of the person | Detail of query/ statement/ information/ clarification sought by the person present | Reply of the query/ statement/ information/ clarification given by the project proponent | Action Plan |
|---|---|---|---|---|
| 1. | Sh. Rajiv Rana S/o Sh, Sarup Singh, village Ghangrali Bagor, Distt. Fatehgarh Sahib | Whether the employment required for this unit be given to the residents of nearest village on priority basis? | Environment Consultant has assured that the required manpower in the industry would be hired from the nearby villages on priority basis. 15 no. employees required for the industry such as APCD, ETP operators & the manpower required for power generation would be recruited from nearly villages. | Overall, employment will be provided to 100 workers for the proposed project during operation of the project. Preference will be given to local people from nearby areas on the basis of their skills. |
| 2. | Sh. Baldev Singh S/o Sh. Pritam Singh, Majri kishnewali, Distt. Fatehgargh Sahib | What is the industry's plan for widening the road at the industrial site? | Environmental Consultant said a study of the road had been carried out. This road is come in category A. This road will not be overburdened by the movement of trucks of industry. The industry | 5-day traffic study has been carried out at road connecting to the project site. The traffic study concludes that the existing roads are capable to hold the additional traffic load due to the |

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|---|---|---|---|---|---|
| | | | | has made arrangements that no truck will stand outside the industry. Also, the parking will provided within the industry for employees' scooters & cars. | establishment of the project.<br>Further, adequate parking space has been proposed within the project premises. |
| | 3. | Sh. Karanveer Singh S/o Sh. Paramjit Singh, village Majri Kishnewali, Distt. Fatehgarh Sahib | The electricity used by the industry will be generated by its allied industry. Whether it will take straw from nearby villages? | Environmental Consultant said that the straw used as fuel for the power generation would be sourced from villages within a 10 km radius of the industry. | The industry will be installing their own captive power plant using agriculture residue i.e. paddy straw. This will not only consume the energy; but also provide a solution to the farmers of Punjab from the issue of agricultural residue burning. |
| | 4. | Sh. Ranjit singh, Sarpanch S/o Sh. Bhag Singh, village Shahpur, Distt. Fatehgarh Sahib | What will be the effect of pollution on school in nearby village Shahpur due to industrialization? | Environmental Consultant said that its environmental study report has been prepared. The implementation of the project will not have any adverse effect on environment. According to the study, air quality in the area is very good. Also, side hood will be set up in the industry to control the air emission generated from the process. | APCD will be installed as per the design approved by Punjab State Council for Science & Technology, Chandigarh prior to operation of the unit. Further, adequate green area has been proposed as remedial measure to maintain the ambient air quality. |
| | | | The access road of 10ft to this industry would cause traffic | Environmental Consultant said the road would be paved by the industry & truck-trolleys | After the operation of the project, the trucks entry may will be avoided during peak |

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|---|---|---|---|---|---|
| | | | problem to the village. | would be brought in through the back gate of the industry. The industry would ensure that the truck trolleys coming to the industry would not be called in the morning & evening when the villagers go to work or come back so that the villagers would not face any traffic problem. | hours or alternate route will be used. |

| | | |
|---|---|---|
| 15. | a. Whether any litigation pending against the project or any direction/order passed by SPCB/Court of Law against the project, if so, details thereof shall also be included.<br><br>b. Has the unit received any notice under 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. | a. No litigation is pending against the project. Undertaking in this regard has been submitted.<br><br>b. No. |

16. **Details of the raw materials given below:**

| S. No. | Raw Materials | Quantity |
|---|---|---|
| 1. | Scrap & Ferro Alloys | 1,70,500 TPA |

17. **Details of the products given below:**

| S. No. | Product Name | Quantity |
|---|---|---|
| 1. | Billets or Strips/Bars | 1,55,000 TPA or 1,50,000 TPA |

18. **Details of major machinery given below:**

| S. No. | Machinery | Quantity |
|---|---|---|
| 1. | Induction Furnaces | 2 |

| | | | |
|---|---|---|---|
| | 2. | Rolling Mill | 1 |

19. **Manpower requirement**

100 persons will be required for the proposed project.

No worker will be residing within project premises.

20. **Details of emissions:**

| S. No. | Source | Fuel | APCD | Stack |
|---|---|---|---|---|
| 1. | Induction Furnaces of capacity<br>2 × 12.5 TPH | Electricity | Separate APCDs comprising of Side Suction Hood followed with bag filter of capacity 60000 CMH each will be installed on both induction furances of capacity 12.5 TPH each. The APCD provided shall be as per the feasibilty report approved by Punjab State Council for Science & Technology Chandigarh. | This APCD shall be attached with a stack of 30 m height above roof level. |

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

| S. No. | Waste catagory | Total | Disposal |
|---|---|---|---|
| 1. | Category 35.1 APCD dust | 1.2 TPD | Agreement will be done with M/s Madhav KRG Ltd. ( A copy of certificate issued by M/s Madhav KRG Limited to the effect that the agency shall enter into agreement for collection of APCD Dust @ 1.2 TPD from proposed industry has been submitted) |

22. **Solid Waste Generation and its mode of Disposal**

| S. No. | Type of waste | Total | Disposal method |
|---|---|---|---|
| 1. | Slag | 14.5 TPD | 20% reused for metal recovery within the project & remaining 80% sold to M/s Ganpati Tiles for co-processing. (A copy of agreement executed on 24.11.2021 between the proposed industry and M/s Ganpati Tiles, Village Bhari, Khanna to the effect that the agency shall take 372 Ton of |

| | | | | |
|---|---|---|---|---|
| | | | | slag per month from the industry till tenure of the agreement is over, submitted) |

23. **Wastewater generation & its disposal Arrangement in Operation phase:**

| S. No. | Description | Total | Mitigation Measures/ Remarks |
|---|---|---|---|
| 1. | Domestic wastewater | 3.6 KLD | It will be treated in proposed STP of capacity 5 KLD |
| 2. | Industrial effluent | Nil | -- |

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

| S. No. | Purpose | Total water demand (KLD) |
|---|---|---|
| 1. | Make-up water for cooling demand | 40 |
| 2. | Domestic water demand | 4.5 |
| 3. | Green area demand<br>• Summer<br>• Winter<br>• Monsoon | <br>• 18.5<br>• 6<br>• 1.5 |

**Source of water:**

| Sr. No. | Purposes | Source of water |
|---|---|---|
| 1. | Make-up water for cooling demand | Treated @ 3.5 KLD and ground water @ 36.5 KLD |
| 2. | Domestic water demand | Ground water. Permission for abstraction of ground water @ 59.5 KLD obtained from PWRDA. |
| 3. | Green area demand | Ground water @ 18.5 KLD |

| | | |
|---|---|---|
| 25. | Water balance chart for summer, Rainy & Winter seasons | The total water requirement shall be 63 KLD, out of which 59.5 KLD shall be met through ground water and remaining shall be met through recycled stream. The total waste water generation shall be 3.6 KLD, which shall be treated in the STP of 5 KLD and the treated wastewater of quantity 3.5 KLD shall be reused to meet with makeup water demand for cooling |

<table>
<tr><td></td><td></td><td>purposes. The treatment system shall be comprising of oil and grease trap, screen, skid mounted Aeration system followed by secondary settlement chamber, tertiary treatment comprising of pressure sand filter, activated carbon filter and UV based disinfection system.</td></tr>
<tr><td>26.</td><td>Rain water utilization proposal during monsoons</td><td>Rain water will be collected from rooftop area of the proposed sheds and stored in a storage tank of capacity 10,000 lts. The harvested rain water will be reused within the project premises for horticulture or sprinkling purpose at loading & unloading areas.</td></tr>
<tr><td>27.</td><td>Rain Water Harvesting proposal (within/outside premises) along with NOC from concerned village Sarpanch</td><td>Within project premises: Rain water will be collected from roof-top area of the proposed sheds and stored in a storage tank of capacity 10,000 lts. The harvested rain water will be reused within the project premises for horticulture or sprinkling purpose at loading & unloading areas.<br><br>Outside project premises: Pond located in the village Salana Jiwan Singh Bala, Block Amloh has been adopted for rain water recharging. Rain water recharging plan has been submitted along with EIA report. ( Copy of NOC dated 20.07.2021 issued by Sarpanch Gram Panchayat, Salana Jiwan Singh Bala, Amloh to the effect that the pond having area of 0.5 acres be collectively used/adopted for rain water harvesting and artificial recharge of the ground water by the industry.</td></tr>
<tr><td>28.</td><td>Block wise details of no. of trees to be planted in proposed greenbelt area (1500 trees to be planted @ 1000 sq.m area):</td><td>The blockwise green area and no. of trees planted are given below:
<table>
<tr><th>S. No.</th><th>Block</th><th>Green area (in sq.ft.)</th><th>No. of trees</th></tr>
<tr><td>1.</td><td>Block A</td><td>36260</td><td>505</td></tr>
<tr><td>2.</td><td>Block B</td><td>23375</td><td>326</td></tr>
<tr><td colspan="2">Total</td><td>59635</td><td>831</td></tr>
</table>
</td></tr>
</table>

<table>
<tr>
<td>29.</td>
<td>a. Energy requirements & savings.<br><br>b. Energy saving measures to be adopted within industry:</td>
<td>a. The energy requirement details are given below:
<table>
<tr><th>Description</th><th>Unit</th><th>Existing</th></tr>
<tr><td>Power load</td><td>KVA</td><td>13,000</td></tr>
</table>
b. <u>Energy Saving measures to be adopted</u>:
<ul>
<li>LEDs will be provided in place of CFLs.</li>
<li>Energy efficient Induction Furnaces and other machinery will be installed.</li>
</ul>
</td>
</tr>
<tr>
<td>30.</td>
<td colspan="2">EMP Budget details:
<table>
<tr><th>S. No.</th><th>Environmental Protection Measures</th><th>Capital Cost (Rs. in lakhs)</th><th>Recurring Cost (Rs. in lakhs/year)</th></tr>
<tr><td>1.</td><td>Air Pollution Control (Installation of air pollution control device along with OCMS)</td><td>140</td><td>10</td></tr>
<tr><td>2.</td><td>Water Pollution Control (Installation of STP of capacity 5 KLD)</td><td>5</td><td>3</td></tr>
<tr><td>3.</td><td>Noise Pollution Control (Development of green belt and ear plugs etc. to workers)</td><td>10</td><td>12 (for three years)</td></tr>
<tr><td>4.</td><td>Solid Waste Management (management & disposal of domestic solid waste, slag, boiler ash and Hazardous waste)</td><td>5</td><td>1</td></tr>
<tr><td>5.</td><td>Environment Monitoring & Management</td><td>3</td><td>5</td></tr>
<tr><td>6.</td><td>Health, Safety & Risk Assessment (Medical check-up, ESI and PPE kit for workers)</td><td>5</td><td>1</td></tr>
<tr><td>7.</td><td>Rain Water Recharging outside the project premises (pond adoption)</td><td>10</td><td>1</td></tr>
<tr><td>7.</td><td>Miscellaneous</td><td>2</td><td>0.5</td></tr>
<tr><td colspan="2">Total</td><td>Rs. 180 lakhs</td><td>Rs. 33.5 lakhs</td></tr>
</table>
A duly constituted EMC comprises the following:<br>
1. Director<br>
2. Manager (Works)</td>
</tr>
</table>

| | | |
|---|---|---|
| | 3. Environment Consultant | |
| 31. | CER Activities | Mr. Puneet Garg (Director) will be responsible for implementation of the CER activities. Rs. 4 lakhs will be spent for the maintenance of school building of Government Primary School located in Village Shahpur. |

The Project Proponent apprised the Committee that the area of the project site is 4.15 acres, out of which 0.83 acres (@ 20.22%) of green area will be developed within the project premises. Further, 2.36 acre of land has been purchased to meet the criteria of 33 % green area. Out of this 2.36 acre of land, 0.54 acre shall be developed as green area. Thus, overall 1.37 acres (0.83+0.54) of area will be developed as green area which is 33% of the total area of the project site. The Committee asked the Project Proponent to immediately start the plantation in the 0.54 acres of land proposed to be developd as green area to which the Project Proponent agreed to the same.

During meeting, the Committee observed that Project Proponent has mentioned in the application proposal that 2 No. induction furnaces of capacity 2x12.5 TPH are to be installed, however, earlier it was proposed to install 3 No. induction furnaces of capacities (2x8.5 TPH & 1x8 TPH). In this regard, the Project Proponent informed that there is no change in the total capacity of the furnaces without change in raw materials, water demand, production capacity, waste generation in the form of APCD dust & slag. Thus, there will be no increase in the pollution load due to change in capacity of number of induction furnaces.

The Committee observed that the industry has obtained permission for Change of Land Use (CLU) for total land area of 5.431 acres from Deptt. of Housing & Urban Devlopment in the name of M/s Ganesh Edibles Pvt. Ltd., Village Shahpur, District Fatehgarh Sahib. The Committee asked the Project Proponent to transfer the CLU in the name of M/s S.G. Metals & Steels India Pvt. Ltd. for which the Environment Clearance has been sought. In this regard, the Project Proponent informed the Committee that permission for CLU from agricultural to industrial zone has already been issued in the name of M/s Sh. Ganesh Edibles Private Limited and M/s S.G Metals & Steel India Pvt. Ltd. has already executed lease agreement dated 18.05.2021 with M/s Sh. Ganesh Edibles Pvt. Ltd. for total land area of 4.15 acres. Threrfore, there is no need to transfer the CLU in the name of M/s S.G. Metals & Steel India Pvt. Ltd. Further, the industry has already applied for approval of building plan in the name of M/s SG Metals & Steels India Private Limited and the same shall be approved prior to the forthcoming meeting of SEIAA.

The Committee observed that during public hearing Sh. Ranjit Singh, Sarpanch, Village Shahpur, District Fatehgarh Sahib, pointed out that the access road of 10 foot leading to the industry shall cause traffic problem to the village. In this regard, the Project Proponent informed the

Committee that the industry shall metal the village road by widening it to 22 ft at their own cost after obtaining permission from the competent authority.

The Project Proponent apprised the Committee that M/s S.G Metals & Steel India Pvt. Ltd. executed lease agreement dated 18.05.2021 with M/s Sh. Ganesh Edibles Pvt. Ltd. for the total land area of 4.15 acres. Further, M/s Sh. Ganesh Edibles Private Limited, is spread over an area of 52 acres of land and has existing captive power generation plant of capacity 2.92 MW. Now, there is a proposal to setup 15 MW of captive power plant based on 100% paddy straw as fuel. The power generation @ 5 MW shall be used by M/s Ganesh Edibles Private Limited and remaining 10 MW power is proposed to be used in M/s SG Metals & Steels India Private Limited. The said 15 MW power plant will consume 2 lac ton of paddy straw per annum being generated from around 1 lac acres of land falling in around 150 Villages. This shall address the problems of paddy straw in the District besides help in reduction of CO2 emissions. The Project Proponent further informed that the application has been submitted to PSPCL for obtaining approval with regard to transfer of captive power to sister concern namely M/s SG Metals & Steels India Private Limited. A copy of acknowledgement has been submitted at the time of meeting.

The Project Proponent further informed that he will install Electro Static Precipitator (ESP) as air pollution control device with the boiler. The Committee further asked the Project Proponent to submit the proposal for the disposal of ash being generated during the operation of boiler. The Project Proponent informed the Committee that 450 MT of paddy straw will be consumed on daily basis in the boiler, thereby generating 12 % ash (54 MT). The said ash is rich in nutrients and will be given to the nearby farmers for using in the agricultral fields as soil conditioner to improve the health of the soil.

The Committee took the reply of the Project Proponent on record and same was attached as Annexure- A of the Agenda**.** Further, SEAC was satisfied with the presentation and reply given by the Project Proponent.

After detailed deliberations, SEAC decided to award **'Silver Grading'** to the project proposal under category B1, Activity 3 (a) and to forward the application to SEIAA with the recommendations to grant Environmental Clearance for the setting up of Steel Manufacturing Unit namely M/s SG Metals and Steels India Pvt. Ltd. for production capacity of 1,55,000 TPA of Billets or 1,50,000 TPA of Strips/Bars at Village Shahpur, Khanna-Amloh Road, Tehsil Amloh, Distt. Fatehgarh Sahib, Punjab as per the details mentioned in the application proposal & subsequent presentation /clarifications made by the project proponent and his consultant subject to the following conditions and special condition as under: -

**Special Condition:**

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 provided that the number of trees to be planted should not be less than one tree per

80 sq.m of the total project area. 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.

**Statutory compliance:**

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

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

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

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

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

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

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

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

**II. Air quality monitoring and preservation**

i. The project proponent shall install 24x7 continuous emission monitoring system at the inlet as well as at the outlet (stack) of each APCD to monitor the SPM concentration with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R 277 (E) dated 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 $S0_2$ and NOx in reference to $S0_2$ and NOx emissions) within and outside the plant area (at least at four locations one within and three outside the plant area at an angle of 120° each), covering upwind and downwind directions.

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

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

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

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

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

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

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

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

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

**III. Water quality monitoring and preservation**

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

ii. The project proponent shall adhere to 'Zero Liquid Discharge'.

iii. STP of 5 KLD shall be provided for treatment of domestic wastewater to meet the prescribed standards.

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

v. The project proponent shall practice rainwater harvesting to the maximum possible extent. For this, a pond at Village- Salana, Jiwan Singh Wala has been adopted. 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.

vi. A tank of 10 KLD shall be constructed for inside rain water harvesting using roof top of the project site.

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

**IV. Noise monitoring and prevention**

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

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

**V. Energy Conservation measures**

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

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

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

**VI. Waste management**

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

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

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

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

**VII. Green Belt**

i) Green belt shall be developed in an area of 5,542.28 Sqm (equal to 33% of the plant area) with tree species in accordance with SEIAA guidelines. Total 831 trees to be planted without accounting the shrubs. Tree species of Arjun, Baheda, Drek, Amla, Neem, Terminalia Arjun will be planted in phase manner.

ii) The project proponent shall prepare GHG emissions inventory for the plant and shall submit the programme for reduction of the same including carbon sequestration.

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

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

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

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

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

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

**IX. Environment Management Plan**

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

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

iii. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. The project proponent shall spend a minimum amount of Rs 180 Lacs towards the capital cost and Rs 33.5 Lacs/annum towards recurring cost including the environmental monitoring cost for the implementation of EMP as proposed in following EMP plan.

| S. No. | Environmental Protection Measures | Capital Cost (Rs. in lakhs) | Recurring Cost (Rs. in lakhs/year) |
|---|---|---|---|
| 1. | Air Pollution Control (Installation of air pollution control device along with OCMS) | 140 | 10 |
| 2. | Water Pollution Control (Installation of STP of capacity 5 KLD) | 5 | 3 |
| 3. | Noise Pollution Control (Development of green belt and ear plugs etc. to workers) | 10 | 12 (for three years) |
| 4. | Solid Waste Management (management & disposal of domestic solid waste, slag, boiler ash and Hazardous waste) | 5 | 1 |
| 5. | Environment Monitoring & Management | 3 | 5 |
| 6. | Health, Safety & Risk Assessment (Medical check-up, ESI and PPE kit for workers) | 5 | 1 |

| | | | |
|---|---|---|---|
| 7. | Rain Water Recharging outside the project premises (pond adoption) | 10 | 1 |
| 7. | Miscellaneous | 2 | 0.5 |
| **Total** | | **Rs. 180 lakhs** | **Rs. 33.5 lakhs** |

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

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

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

**XI. Validity**

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

**XII. Miscellaneous**

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

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

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

iv) The project proponent shall monitor the criteria pollutants level namely; PM10, 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.

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 plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).

xi) Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.

xii) The SEIAA/Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.

xiii) The SEIAA/ Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time-bound manner shall implement these conditions.

xiv) The Regional Office of this Ministry and Punjab Pollution Control Board shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office and PPCB by furnishing the requisite data / information/monitoring reports.

xv) The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.

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

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

i) The project proponent shall install Side Suction Hood followed by Pulse-jet Bag filter with offline cleaning technology as APCD as per the amount indicated in the Environment Management Plan. Further, the industry will install APCD of flow rate 80,000 m3/hr for 2 no. proposed induction furnaces (12.5 TPH each).

ii) The project proponent shall install 24x7 continuous online SPM monitoring system at the inlet & outlet of APCD to monitor and achieve the suspended particulate matter (SPM) emission standards as prescribed by CPCB/SPCB.

iii) The project proponent shall submit monthly summary report of continuous stack emission (inclusive of data of continuous SPM monitoring at inlet & outlet of APCD before stack) and air quality monitoring and results of manual stack monitoring and manual monitoring of air quality/ fugitive emissions to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.

iv) The project proponent shall obtain NOC from CGWA for abstraction of ground water @ 59.5 KLD to meet the requirement of Industrial, domestic & green belt.

v) The project proponent shall construct rain water tank of capacity 10KLD to store rain water run off generated from the roof top during monsoon season within its premises.

vi) The project proponent shall dispose of slag @ 14.5 TPD as per the agreement made with the interlocking tile manufacturing units.

vii) The project proponent shall dispose of APCD dust @ 1.2 TPD to M/s Madhav KRG Ltd.

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

ix) The project proponent shall provide STP of 5 KLD capacity for treatment of waste water & reutilization of the treated water for non- portable use so as to achieve the zero liquid discharge condition as per the III (iv) of OM dated 09.08.2018 issued by the MoEF&CC for such units.

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

xi) The project proponent shall monitor the Ground water for heavy metals in addition to routine parameters pre-monsoon and post monsoon. Atleast 3 samples i.e one from within the premises and two from outside the premises of the project shall be taken.

xii) The project proponent shall reserve land for loading or unloading of raw material, products, slag, hazardous waste as well as for storage of these materials and the area to be reserved for parking. The area to be reserved by considering the time required for loading and unloading of vehicles for respective activities and minimum/maximum period

for which storage of the above material is required in the premises. The areas for the respective activities to be marked on the layout plan.

xiii) The project proponent shall comply with the standard operating procedures and up-gradation of suction and control arrangement for the secondary emissions as prescribed by the State Pollution Control Board or by CPCB/MoEF&CC.

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

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

xvi) The project proponent shall adopt green technologies to conserve water & energy. Also, provide abrasive resistant fire bricks in the crucibles to reduce the periodic maintenance & disposal of discarded fire bricks.

xvii) The project proponent shall use natural gas (if available) as substitute fuel wherever possible in the existing industry/ for the expansion project.

xviii) The project proponent shall take necessary action w.r.t. the following: -

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

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

**2.0 Deliberations during 201st meeting of SEIAA held on 22.02.2022.**

The case was considered by SEIAA in its 201st meeting which was attended by the following:

(i) Mr. Hansraj Garg, Director of the promoter company.

(ii) Dr. Sandeep Garg, EIA Coordinator and Mrs. Simranjit Kaur, EIA Coordinator from M/s Eco Laboratories Pvt Ltd.

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

To query by SEIAA regarding steps to be taken for addressing the issue of traffic congestion raised in the public hearing, project proponent informed that two main entries/exits shall be provided for the project. Furthermore, entry of trucks will be restricted to non-peak hours and alternate route will be used to avoid traffic problems in the adjoining village. Further, industry is ready to widen the adjoining road (Benipal Road) at their own cost for which they had already submitted request to the Executive Officer, Mandi Board but permission is awaited. In this regard, SEIAA

decided that Executive Officer, Mandi Gobindgarh be requested to process the proposal submitted by the industry expeditiously and permission to widen the road (Benipal Road) be given to the Industry at the earliest so that grievance of the villagers regarding traffic congestion raised during the public hearing may be addressed at the earliest.

On being asked by SEIAA, Project Proponent and their Environmental Consultant agreed to 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. SEIAA decided to impose an additional condition in this regard.

During discussions, the representative of the promoter company agreed to fully comply with all the conditions stipulated by SEAC. The SEIAA observed that the case stands recommended by SEAC and the Committee has awarded 'Silver Grading' to the project proposal. SEIAA looked into the details of the case and was satisfied with the same.

After detailed deliberations, SEIAA decided to accept the recommendations of SEAC and grant Environmental Clearance for setting up of Steel Manufacturing Unit having production capacity of 1,55,000 TPA of Billets or 1,50,000 TPA of Strips/Bars by installing 2 induction furnaces of capacity 2x12.5 TPH, a Rolling Mill and 50 MW Captive Power Plant based on 100% paddy straw as fuel at Village Shahpur, Khanna-Amloh Road, Tehsil Amloh, Distt. Fatehgarh Sahib, Punjab by M/s SG Metals and Steels India Pvt. Ltd as per the details mentioned in Form 2, EMP, EIA report and subsequent presentation /clarifications made by the project proponent / his consultant with proposed measures, conditions as recommended by SEAC, amended conditions as agreed by the project proponent and additional condition as under: -

**Additional Condition:**

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. 201.02: Application for Environmental Clearance under EIA notification dated 14.09.2006 for the establishment of commercial Project namely "Mohali Citi Centre" at Block F, Aero City, SAS Nagar, (Punjab) by M/s KLG Infra, (SIA/PB/MIS/250845/2022).**

Background and salient features of the matter are as under:

The project proponent has applied for obtaining Environment Clearance under EIA Notification, 2006 for the establishment of commercial Project namely "Mohali Citi Centre" at Block F, Aero City, SAS Nagar, (Punjab). The total land area of the project is 9.78 Acres (39,578.26 sqm) with proposed built up area of 144,395.58 Sqm. The Project is covered under Activity 8(a) & Category 'B2' as per EIA notification-2006.

The project proponent submitted the Form I, 1A and other additional documents along with processing fee amounting to Rs. 2,88,750/- paid vide NEFT No. IDFBR52022010600529164 dated 06.01.2022 and Rs. 42/- submitted vide UTR No. IDFBH22010790743 dated 10.01.2022, as verified by supporting staff SEIAA. The total cost of the project is Rs. 497.16 Cr.

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

PPCB was requested to send the latest construction status report of the project through e-mail on 17.01.2022. Punjab Pollution Control Board vide letter no. 917 dated 31.01.2022 has sent the latest construction status report with details as under:

"The proposed site of the project was visited by officer of the Board on 20.01.2022 and the pointwise status report is as under:

1. As per the project report, the proposed project site is in 9.78 acres. The project proponent has proposed 2 blocks i.e. Block-A having G+6 configuration and Block-B having G+9 configuration. The project proponent has proposed that 233 KLD of domestic sewage will be generated from the project which will be treated in proposed STP of 300 KLD capacity. As per the site shown, the proposed site of the project is located on R.H.S of Airport Road (PR-7), SAS Nagar when coming from Airport Chowk to Zirakpur. No site development work has been started at site**.** Loose Soil was found stored at the site and the representative informed that the same has been excavated from adjoining Mohali Citi Centre site under construction located adjoining to the proposed site at Block-F, Aerocity, SAS Nagar which will be used in Mohali Citi Centre site for back-filling purpose.
2. Further, it is intimated that to the North side of the plot is commercial site of Mohali Citi Centre being developed by KLG Jewellers, to the west site are existing residential plots of

Block-F of the Aerocity, to the South Side is Block-H of the existing Aerocity (proposed commercial and existing residential) and to the East side is Airport Road (PR-7).

3. As per the boundary limits site shown by the project proponent during the visit, there is 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 industries is located within a radius of 500 m from the boundary of the proposed site. Therefore, the site of the project is conforming to the sitting guidelines laid down by the Government of Punjab, Department of Science Technology and Environment vide orders dated 25.07.2008 as amended on 30.10.2009.
4. The commercial site will consist of Shops, Showrooms and Offices.

It is further intimated that the proposed site is situated withing 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 existing STP installed by GMADA authorities in under process."

**1.0 Deliberations during 214th meeting of SEAC held on 09.02.2022.**

The meeting was attended by the following:

(i) Mr. Anil Goyal, on behalf of Project Proponent.

(ii) Dr. Sandeep Garg, EIA Coordinator, M/s Eco laboratories Pvt Ltd.

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

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

| Sr. No. | Description | Details |
|---|---|---|
| 1. | Name & Location of the project | Commercial Project "Mohali Citi Centre" (9.78 acres) at Block F, Aero City, SAS Nagar, Mohali, (Punjab) by M/s KLG Infra. |
| 2. | Project/activity covered under item of scheduled to the EIA Notification, 14.09.2006 | The project falls under S.No. 8(a) - 'Building & Construction Projects' as the built-up area of the project is 144,395.58 sq.m. |
| 3. | Copy of the Master plan duly marked with the project site | The site of the project is located in the mixed land use as per the master plan of SAS Nagar. A copy of the same showing project location is enclosed along with application. |
| 4. | Copy of duly signed Layout plan | Copy of conceptual layout plan submitted. |

| | | |
|---|---|---|
| 5. | Proof of ownership of land mentioning Khasra no. & ownership details (Latest Jamabandi or Registry) | Allotment letter has been issued by GMADA vide its letter no. 82713 dated 08.09.2021 for development of commercial project in an area of 10.02 acres of land. Subsequently, an amendment letter has been issued by the GMADA vide letter no. 87157 dated 22.10.2021 for the allotment of total land area of 9.78 acres. |
| 6. | Copy of Memorandum of Article & Association/ partnership deed/ undertaking of sole proprietorship/ list of Directors and names of other persons responsible for managing the day-to-day affairs of the project. | A copy of Partnership deed dated 04.01.2021 executed between Mr. Anil Goyal and Mr. Pawan Goyal, Mr. Ravi Goyal, Mr. Amit Jindal, Mr. Munish Kumar, Mr. Anish Kumar and Mr. Savnish Kumar submitted. The said partnership shall be run under the name and style of M/s KLG Infra. |
| 7. | Whether the proposal involves approval/clearance under the Forest (Conservation) Act, 1980 | No, an undertaking in this regard has been submitted by the Project Proponent. |
| 8. | Does the project cover under PLPA, 1900 | No, an undertaking in this regard has been submitted by the Project Proponent. |
| 9. | If the project falls within 10 km of eco-sensitive area/ National park/ Wild Life Sanctuary. If yes,<br>a. Name of eco-sensitive area/ National park/ Wild Life Sanctuary and distance from the project site.<br>b. Status of clearance from the National Board for Wild Life (NBWL). | There is no wildlife or bird sanctuary located within 10 km of the project location. City Bird Sanctuary is located at Approx. 10.4 km & Sukhna Wildlife Sanctuary at Approx. 14.8 km from the project location thus the project falls outside the eco sensitive zone of the sanctuary. |
| 10. | Classification/Land use pattern as per Master Plan | The project falls in mixed land use as per the master plan of SAS Nagar. The land is allocated for commercial<br>purpose. |
| 11. | Cost of the project | The total estimated cost of the project including land & construction work is Rs. 497.16 Crores. |
| 12. | **Commercial component detail:** | |

| Sr. No. | Floor | Components |
|---|---|---|
| | **Block A** | |
| 1. | Ground Floor | 78 Showrooms, 150 Shops & 72 DSS |
| 2. | 1st Floor | 69 DSS & 76 Showrooms |
| 3. | 2nd Floor | 58 Showrooms |
| 4. | 3rd Floor | 58 Showrooms |
| 5. | 4th Floor | 58 Showrooms |
| 6. | 5th Floor | 58 Showrooms |
| 7. | 6th Floor | 58 Showrooms |
| | **Block B** | |
| 1. | Ground Floor | 3 Showrooms |
| 2. | 1st to 9th Floors | 3 Showrooms * 9 = 27 Showrooms |

***There will be total 474 Showrooms, 150 Shops & 141 Double Storey Shop in the complete project.**

13. **Details of built up area of each floor and population details:**

| S. No. | Description | Built up Area (in sq. m.) | Criteria | No. of Persons |
|---|---|---|---|---|
| | **Block A** | | | |
| 1 | Ground Floor (Showrooms/Shops/ DSS) | 17,575.56 | 3 sq.m. /person | 5,858 |
| 2 | 1st Floor (DSS/shops) | 13,694.0636 | 6 sq.m. /person | 2,282 |
| 3. | 2nd Floor (Showrooms) | 8,686.0963 | 6 sq.m. /person | 1,448 |
| 4. | 3rd Floor (Showrooms) | 8,686.0963 | 6 sq.m. /person | 1,448 |
| 5. | 4th Floor (Showrooms) | 8,686.0963 | 6 sq.m. /person | 1,448 |
| 6. | 5th Floor (Showrooms) | 8,588.5481 | 6 sq.m. /person | 1,431 |
| 7. | 6th Floor (Showrooms) | 8,588.5481 | 6 sq.m. /person | 1,431 |
| | **Block B** | | | |
| 1. | Ground Floor (Showrooms) | 492.8506 | 3 sq.m. /person | 164 |
| 2. | 1st - 9th Floors (Showrooms) | 3,984.849 | 6 sq.m. /person | 664 |

| | | | |
|---|---|---|---|
| | | **Total Population** | **16,174** |
| | 1. | Staff (@10 % of total population) | 1,617 |
| | 2. | Visitors (@90 % of total population) | 14,557 |

14. **Detail of various components:**

| **S.no.** | **Description** | **Particulars** | **Unit** |
|---|---|---|---|
| 1. | Plot Area | 39,578.26 sq. m. (9.780acres) | sq. m. |
| 2. | Built-up Area | 144,395.58 | sq. m. |
| 3. | Number of Building Blocks | 2-Blocks (A & B) | - |
| 4. | Total no. of Saleable DU's | Shops, showrooms & DSS | - |
| 5. | Max. Height of Building | 45 | m |
| 6. | Max. No. of Floors | Block-A- G+6 Floors<br>Block-B- G+9 Floors | - |
| 7. | Expected Population | 16,174 (1617-staff, 14557-Visitors) | Persons |
| 8. | Achieved FAR (@ 199%) | 78,982.7081 | sq. m. |
| 9. | Proposed Non-FAR | 65,412.8719 | sq. m. |
| 10. | Total FAR and Non-FAR Area | 144,395.58 | sq. m. |
| 11. | Total Water Requirement | 291 (1617 @ 45 lit/day & 14557 @ 15 lit/day) | KLD |
| 12. | Freshwater requirement | 186 | KLD |
| 13. | Wastewater Generation | 233 | KLD |
| 14. | Proposed STP Capacity | 300 KLD capacity based on MBBR technology followed by UF Plant | - |
| 15. | Treated Water Available for Reuse | 228 | KLD |
| 16. | Green area | 674.1 | sqm |
| 17. | Recycled Water | Flushing: 105<br>Landscaping in Summer: 4<br>Landscaping in Winter: 1.2<br>Landscaping in Monsoon: 0.3 | KLD<br>KLD<br>KLD<br>KLD |
| 18. | Surplus treated water | Summer: 119 | KLD KLD |

| | | | | |
|---|---|---|---|---|
| | | | Winter: 122<br>Monsoon: 123 | KLD |
| | 19. | Rain Water Harvesting Potential | 531 | $m^3/hr$ |
| | 20. | Proposed Total Parking | 1,746 | ECS |
| | 21. | Covered Parking | - | ECS |
| | 22. | Green Area | 674.2 | sq.m. |
| | 23. | Municipal Solid Waste Generation | 3,235 | kg/day |
| | 24. | Quantity of E-Waste Generation-Kg/Day | E-waste generated from the project will be handled as per E-Waste (Management) Rules, 2016 & its amendments. | - |
| | 25. | Quantity of Hazardous Waste Generation | Used oil from DG sets will be periodically sold to authorized vendors as per Hazardous Wastes (Management & Handling) Rules, 2020 and its amendments. | - |
| | 26. | Quantity of Sludge Generated from STP | STP sludge (approx. 5 kg/day) will be generated which will be dried and later will be used as manure for green belt development. | - |

15. Breakup of Water Requirements & source in Operation Phase (Summer, Rainy, Winter):

| **Sr. No** | **Season** | **Freshwater** | | **Reuse water** | | | **Total (KLD)** |
|---|---|---|---|---|---|---|---|
| | | **Domestic (KLD)** | **Others (KLD)** | **Flushing (KLD)** | **Green area@ 674 sqm (KLD)** | **HVAC (KLD)** | |
| 1. | Summer | 186 | - | 105 | 4 | - | 295 |
| 2. | Winter | 186 | - | 105 | 1.2 | - | 292.2 |
| 3. | Rainy | 186 | - | 105 | 0.3 | - | 291.3 |

| **Sr. No.** | **Description** | **Source of water** |
|---|---|---|

<table>
<tr><td></td><td colspan="3"><table>
<tr><td>1.</td><td>Domestic</td><td>GMADA</td></tr>
<tr><td>2.</td><td>Flushing purposes</td><td>Treated water from STP</td></tr>
<tr><td>3.</td><td>Green area</td><td>Treated water from STP</td></tr>
</table></td></tr>
<tr><td>16.</td><td>Details of acknowledgement of application filed to CGWA/ Competent Authority for obtaining permission for abstraction of ground water.</td><td colspan="2">Water supply will be provided through GMADA as per (x) point of conditions in the allotment letter.</td></tr>
<tr><td>17.</td><td>Details of Wastewater generation, Treatment facility & its Disposal arrangements in Construction Phase</td><td colspan="2">During Construction Phase, wastewater generation will be treated in septic tank.</td></tr>
<tr><td>18.</td><td>Details of Wastewater generation, Treatment facility & its Disposal arrangements in Operation Phase and if wastewater being disposed in MC sewer then also mention the details of NOC from competent authority</td><td colspan="2">During Operation Phase, the wastewater generation will be 233 KLD which will be treated in proposed STP of 300 KLD capacity based on MBBR technology followed by UF treatment.<br>The details of the breakup of the utilization of treated wastewater is as under: -
<table>
<tr><th>Season</th><th>Flushing (KLD)</th><th>Green area (KLD)</th><th>HVAC (KLD)</th><th>GMADA Sewer (KLD)</th></tr>
<tr><td>Summer</td><td>105</td><td>4</td><td>-</td><td>119</td></tr>
<tr><td>Winter</td><td>105</td><td>1.2</td><td>-</td><td>122</td></tr>
<tr><td>Monsoon</td><td>105</td><td>0.3</td><td>-</td><td>123</td></tr>
</table>
GMADA vide allotment letter dated 08.09.2021 incorporated condition to the effect that the allotee shall be entitled for the sewer and storm water connection in the main sewer and storm network developed by GMADA.</td></tr>
<tr><td>19.</td><td>Details of Rainwater recharging/ Harvesting ($m^3$/hr) proposal & technology proposed to be adopted</td><td colspan="2">Total 8 nos. of Rain water recharging pits are proposed for rain water recharging within the project premises.</td></tr>
<tr><td>20.</td><td>Details of Solid waste</td><td colspan="2">a) 3,235 kg/day (16174 persons @ 0.2 kg/capita/day)</td></tr>
</table>

<table>
<tr><td></td><td>generation (Qty), treatment facility and its disposal arrangement</td><td>b) The solid waste shall be duly segregated into biodegradable, non-biodegradable and non-hazardous waste components as per SWM Rules, 2016.</td></tr>
<tr><td>21.</td><td>Details of Hazardous Waste & E- Waste generation (Qty), Treatment facility and its disposal arrangement</td><td>Used oil from DG sets will be generated which will be sold to authorized vendor. E-waste generated from the project will be handled as per E-Waste (Management) Rules, 2016 & its amendments.</td></tr>
<tr><td>22.</td><td>Detail of DG sets</td><td>Total 2 nos. of DG sets of capacity 500 KVA each have been proposed for power back up. DG set shall be with in-built acoustic enclosure as approved by CPCB and conforming to MoEF Notification.</td></tr>
<tr><td>23.</td><td>Energy Requirements & Saving</td><td>The total power load shall be 10000 KW. The solar panels have been proposed at roof top of the buildings as such project will generate 444 KW of power generation. Further, 30.72 KW energy will be saved by utilizing LED bulbs in common & street areas & other measures etc.</td></tr>
<tr><td>24.</td><td colspan="2">Details of Environmental Management Plan
<table>
<tr><th>Sr. No</th><th>Environmental Protection Measures</th><th>Capital Cost Rs. Lakh</th><th>Recurring Cost Rs. Lakh</th></tr>
<tr><td>1.</td><td>Construction</td><td>243</td><td>14</td></tr>
<tr><td>2.</td><td>Operation</td><td>-</td><td>19</td></tr>
</table>
EMP budget details during construction phase is given below:
<table>
<tr><th>Description</th><th>Capital (in Rs. Lakhs)</th><th>Recurring Cost (in Rs. Lakhs)</th></tr>
<tr><td>Waste water Management: Dual plumbing system, Sewage Treatment Plant</td><td>100</td><td>5</td></tr>
<tr><td>Air & Noise Pollution Management (Acoustics enclosures for DG sets)</td><td>10</td><td>1</td></tr>
<tr><td>Landscaping</td><td>5</td><td>5 (for 3 years)</td></tr>
<tr><td>Rainwater Recharging (8 RWH pits)</td><td>15</td><td>2</td></tr>
</table></td></tr>
</table>

| | | | |
|---|---|---|---|
| | Environmental Monitoring: (Water sprinkling for dust control, Monitoring of DG sets as per PPCB Guidelines) | 5 | 4 |
| | Waste Management: (Collection of Solid Waste and disposal),<br>(3 mechanical composters) | 50 | 3 |
| | Energy Conservation measures | 100 | 1 |
| | **TOTAL** | **285** | **21** |

EMP budget details during operation phase is given below:

| **Description** | **Recurring Cost (in Rs. Lakhs)** |
|---|---|
| Waste Water Management: - Sewage Treatment Plant | 6 |
| Air & Noise Pollution Management: (Acoustics enclosures for DG sets) | 1 |
| Landscaping | 2 |
| Rainwater Recharging | 2 |
| Environmental Monitoring: (Water sprinkling for dust control, Monitoring of DG sets as per PPCB Guidelines) | 1.5 |
| Waste Management: (Collection of Solid Waste And disposal) | 3 |
| Energy Conservation measures | 3 |
| **TOTAL** | **18.5 say 19** |

| | | |
|---|---|---|
| 25. | Details of green belt development shall include following:<br>a) No. of tree to be planted against the requisite norms.<br><br>b) Percentage of the area to be developed. | a. No. of trees required = 1 Tree per 80 sq. m. of plot area<br>= 39,578.26 /80= 494.72 Say 495 Trees<br>No. of trees proposed = 502 trees<br><br>a. Green Area proposed = 674.2 sq. m |

During meeting, the Committee perused the water balance submitted by the Environmental Consultant and observed that the estimated flushing water requirement is not as per the National Building Code 2016, BIS Norms issued by CGWA, New Delhi. The total flushing water requirement was taken as 105 KLD, by considering 20 lpcd for staff & 5 lpcd for visitors. However, as per the NBC Norms the total flushing water requirement for the visitors is 10 lpcd instead of 5 lpcd. Therefore, the total flushing water requirement comes out as 177 KLD. The Project Proponent was requested to revise the water balance accordingly.

The Environmental Consultant of the Project Proponent submitted the revised water balance. As per the revised water balance, the total water requirement for the project shall be 295 KLD, out of which 114 KLD shall be met through ground water and 177 KLD shall be met out by using treated waste water for flushing. The total wastewater generation shall be 233 KLD which shall be treated in the STP of capacity 300 KLD. Out of total quantity of the treated wastewater of 228 KLD, in summer season, 177 KLD shall be utilized for flushing purpose, 4 KLD for green area and remaining 47 KLD shall be discharged into GMADA sewer, whereas in winter & rainy season, 1 KLD shall be utilized into green area and remaining 50 KLD shall be discharged into GMADA sewer. The Project Proponent has already obtained permission vide GMADA allotment letter dated 08.09.2021, wherein condition has been incorporated that the allotee shall be entitled for sewer and storm water connection in the main sewer and storm network developed by GMADA.

The Project Proponent was asked to submit the revised layout plan by earmarking the location of trees to be planted within the project premises. The Project Proponent submitted the revised layout plan which was considered by the Committee.

SEAC was satisfied with the presentation and reply given by the Project Proponent and took a copy of the same 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 recommendations to grant Environmental Clearance for the establishment of commercial Project namely “Mohali Citi Centre” at Block F, Aero City, SAS Nagar, (Punjab) having land area of the project is 9.78 Acres (39,578.26 sqm) with proposed built up area of 144,395.58 Sqm, as per the details mentioned in the application proposal & subsequent presentation /clarifications made by the project proponent and his consultant subject to the following special condition along with other standard conditions: -

**Special Condition:**

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

ii. The Project Proponent shall provide 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 sq.m of the total project 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.

**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 due to earthquakes, 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 lndia 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 water requirement for the project shall be 291 KL/day, out of which 114 KLD shall be met through groundwater and 177 KLD shall be met out by using treated waste water for flushing. 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 233 KL/day, which will be treated in STP within the project premises. As proposed, KLD treated wastewater available at outlet of septic tank will be as reutilized as under: -

| Sr. No. | Season | Flushing (KLD) | Green Area (KLD) | GMADA Sewer (KLD) |
|---|---|---|---|---|
| 1. | Summer | 177 | 4 | 47 |
| 2. | Winter | 177 | 1 | 50 |
| 3. | Monsoon | 177 | 1 | 50 |

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 and for developing the plantation/green area.

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

xi) The project proponent shall also adopt the new/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.

xii) 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 case of individual houses/establishment this proposal may also be implemented wherever possible. | White |
| e) | Treated wastewater (for reuse only for plantation purposes) from the septic tank treating black water | Green |
| f) | Storm water | Orange |

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

xiv) 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, 6 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.

xv) All recharge should be limited to shallow aquifer.

xvi) 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.

xvii) 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.

xviii) 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 along with six monthly Monitoring reports.

xix) Sewage shall be treated in the septic tank. The treated effluent from septic tank shall be reused for gardening. No treated water shall be disposed of into the municipal storm water drain.

xx) No sewage or untreated effluent water would be discharged through storm water drains. Treated waste water shall be reused on-site for landscape, other end-uses. Excess treated water shall be discharged as per statutory norms notified by the Ministry of Environment, Forest and Climate Change. Natural treatment systems shall be promoted.

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

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

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

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

vii) Use of environment friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction material quantity. These include Fly Ash bricks, hollow bricks, AACs, Fly Ash Lime Gypsum blocks, Compressed earth blocks, and other 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 502 trees (@1 tree/80 Sqm of Total Land Area) 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, septic tank, 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. 285 Lacs towards the capital cost and Rs. 21 Lacs/annum towards recurring cost in the construction phase of the project including the environmental monitoring cost and shall spend the minimum amount of Rs. 19 Lacs/annum towards the recurring cost in operation phase of the project including the environmental monitoring cost as per the details given as under

| **Description** | **Capital (in Rs. Lakhs)** | **Recurring Cost (in Rs. Lakhs)** |
|---|---|---|
| Waste water Management: Dual plumbing system, Sewage Treatment Plant | 100 | 5 |

| | | |
|---|---|---|
| Air & Noise Pollution Management (Acoustics enclosures for DG sets) | 10 | 1 |
| Landscaping | 5 | 5 (for three years) |
| Rainwater Recharging (8 RWH pits) | 15 | 2 |
| Environmental Monitoring: (Water sprinkling for dust control, Monitoring of DG sets as per PPCB Guidelines) | 5 | 4 |
| Waste Management: (Collection of Solid Waste and disposal), (3 mechanical composters) | 50 | 3 |
| Energy Conservation measures | 100 | 1 |
| **TOTAL** | **285** | **21** |

| **Description** | **Recurring Cost (in Rs. Lakhs)** |
|---|---|
| Waste Water Management: - Sewage Treatment Plant | 6 |
| Air & Noise Pollution Management: (Acoustics enclosures for DG sets) | 1 |
| Landscaping | 2 |
| Rainwater Recharging | 2 |
| Environmental Monitoring: (Water sprinkling for dust control, Monitoring of DG sets as per PPCB Guidelines) | 1.5 |
| Waste Management: (Collection of Solid Waste And disposal) | 3 |
| Energy Conservation measures | 3 |
| **TOTAL** | **18.5 say 19** |

The entire cost of the environmental management plan will be borne by the project proponent. Year-wise progress of implementation of action plan along with the Six-Monthly Compliance Report shall be submitted to Regional Office of MoEF&CC and SEIAA.

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

ii) The Project Proponent shall obtain Stage-1 approval for diversion of Forest land under the provision of Forest Act 1980 from the Competent Authority and submit the same within the six months. Failure to submit the clearance within 6 months will result in automatic revocation of the EC without any further notice to the Project Proponent.

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

iv) 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.

**2.0 Deliberations during 201st meeting of SEIAA held on 22.02.2022.**

The case was considered by SEIAA in its 201st meeting which was attended by the following:

(i) Mr. Kashish Goyal, Partner, on behalf of Project Proponent.

(ii) Dr. Sandeep Garg, EIA Coordinator and Mrs. Simranjit Kaur, EIA Coordinator from M/s Eco laboratories Pvt Ltd.

SEIAA perused the visit report sent by Punjab Pollution Control Board vide letter no. 917 dated 31.01.2022 and observed that the STP installed by the GMADA authorities is not adequate to cater to the quantity of additional effluent of the project. However, the upgradation of existing STP installed by GMADA authorities is under process.

In this regard, to a query by SEIAA, project proponent informed that they had obtained the plot having area 9.78 acres from GMADA vide memo no 82713 dated 03.09.2021 and amended vide letter no 57 dated 22.10.2021 and they are entitled for the sewer and storm water connection in the main sewer and storm network developed by the GMADA. Their project will take about 4-5 years for completion. In case GMADA failed to upgrade the existing STP by the completion of the project, no occupancy shall be allowed by them. SEIAA noted that several other Projects were in the pipeline with similar issue regarding inadequate capacity of the STP installed by GMADA to cater to the Project loads of the upcoming projects. It was, therefore, decided that this important matter be taken up at appropriate level with GMADA and resolved expeditiously.

SEIAA thereafter allowed the project proponent to present the case and also decided that GMADA be asked to provide the status of the upgradation of the existing STP installed in the AERO city of SAS Nagar along with the compliance of the conditions of Environmental Clearance granted to the AERO City project within 30 days.

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

To another query by SEIAA, promoter company agreed to spend additional amount of Rs. 3 crores (0.6% of total project cost) on CER activities in the vicinity of the project within 3 years, under the Environmental Management Plan (EMP) of the proposed project for which detailed plan will be submitted within two months. An undertaking in this regard was taken on record by SEIAA.

During discussions, the representative of the promoter company agreed to fully comply with all the conditions proposed by SEAC as also undertake the additional CER activities of Rs 3 Crores as mentioned above.

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

After detailed deliberations, SEIAA decided to accept the recommendations of SEAC and grant Environmental Clearance for the establishment of Commercial Project namely "Mohali Citi Centre" at Block F, Aero City, SAS Nagar, (Punjab) having built up area of 144,395.58 Sqm, and land area 9.78 acres (39,578.26 sqm) as per the details mentioned in the Form 1, 1A, EMP, conceptual plan and subsequent presentation /clarifications made by the project proponent and his consultant with proposed measures and subject to conditions proposed by SEAC and additional/amended conditions as under:

**Additional Conditions:**

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

ii) The project proponent shall submit detailed plan for additional amount of Rs. 3 crores (0.6% of total project cost) to be spent on CER activities in the vicinity of the project within 3 years,

under the Environmental Management Plan (EMP) within 2 months from the date of issue of Environmental Clearance.

iii) This Environmental Clearance is liable to be revoked without any further notice to the Project Proponent in case of failure to submit the aforesaid detailed plan of Rs. 3 crores within 02 months.

**Item No. 201.03: Application for issuance of TORs for Expansion of existing Steel Manufacturing Unit Namely M/s Lord Mahaveer Industries Pvt. Ltd. located at GT Road (Sirhind Side), Near Gian TMT Mills, Mandi Gobindgarh, Distt. Fatehgarh Sahib, Punjab for increasing the production capacity from 84 TPD to 125 TPD of Billets/Ingots & from 100 TPD to 120 TPD of Flats/Bars (Proposal No. SIA/PB/IND/71306/2022).**

Background and salient features of the matter are as under:

The project proponent has applied for issuance of TORs of M/s Lord Mahaveer Industries Pvt. Ltd. for expansion in the existing steel manufacturing unit having existing capacity of Billets/Ingots @ 84 TPD and one Induction Furnace of capacity 7 TPH or Flats/ Bars @ 100 TPD with one rolling mill to 125 TPD of Billets/Ingots replacing existing induction furnace with one Induction Furnace of capacity 10 TPH having capacity 120 TPD of Flats/Bars with existing Rolling Mill at GT Road (Sirhind Side), Near Gian TMT Mills, Mandi Gobindgarh, Distt. Fatehgarh Sahib, Punjab. Project is covered under Schedule 3(a) & Category 'B1' as per EIA Notification, 2006.

The Project Proponent mentioned in the proposal that the project is an existing industrial unit. However, for expansion, additional adjoining land has been purchased. The additional land area for the expansion is vacant land comprising of 17 Kanal 12 Marla and 2 Sarsahi for carrying out expansion.

The project proponent submitted the Form I, Pre-feasibility report and other additional documents on online portal. The cost of the project is Rs. 19.372 Cr. and the Project Proponent has deposited Rs. 48,430/- (25% of the total fee i.e. Rs. 1,93,720/-) vide NEFT No. CBINH22019174610 dated 19.01.2022.

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

**1. 0 Deliberations during 214th meeting of SEAC held on 09.02.2022.**

The meeting was attended by the following:

(i) Mr. Balram Gupta, Director.

(ii) Dr. Sandeep Garg, EIA Coordinator, M/s Eco laboratories Pvt Ltd.

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

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

| Sr. No. | Item | Details |
|---|---|---|
| 1. | Online Proposal No. | SIA/PB/IND/71306/2022 |
| 2. | Name and Location of the project | Expansion of Steel Manufacturing Unit namely "M/s Lord Mahaveer Industries Pvt. Ltd." located at GT Road (Sirhind Side), Near Gian TMT Mills, Mandi Gobindgarh, Distt. Fatehgarh Sahib, Punjab. |
| 3. | Details of Change of Land Use (CLU) from the competent authority | Permission for CLU for total land area of 1.62 acres i.e. 12 Kanal 19 Marla located at village Talwara ( Hadbast no. 74), Tehsil Amloh, District Fatehgarh Sahib obtained from Senior Town Planner, Department of Town & Country Planning vide memo no. 1807 dated 26.07.2010. Permission from CLU of the total land area of 27 Kanal 12 Marla, 2 Sarsahi (3.451 acres) obtained from office of Regional Deputy Director cum-competent authority, Local Govt. Fatehgarh Sahib vide letter no. CLU/ADCCUD/FGS/2021/1359 dated 22.10.2021 for setting up of industrial unit. |
| 4. | Whether the project is in critical polluted area or not. | No, the project does not fall in critical polluted area. |
| 5. | Status of consent of Operate under the provision of Water Act 1974and Air Act 1981 | The industry has obtained consent to operate under the provisions of Air Act 1981 and Water Act 1974, which is valid up to 31.03.2022. |
| 6. | If the project involves diversion of forest land. If yes,<br>a) Extent of the forest land.<br>b) Status of the forest clearance. | The Project Proponent undertakes that NOC regarding the coverage of land area of the project under the provision of Forest Conservation Act 1980 shall be obtained from DFO prior to the grant of Environmental Clearance. |
| 7. | a) Is the project covered under PLPA, 1900, if No but located near to PLPA area then the project proponent is required to submit NOC from the concerned DFO to the effect that project area does not fall under the provision of PLPA Act, 1900.<br>b) Is the project covered under | No, an undertaking to the effect that the project does not involve any land area of the project under the provision of PLPA 1900 |

<table>
<tr><td></td><td>PLPA, 1900, if yes then Status of the NOC w.r.t PLPA, 1900.</td><td>Not applicable.</td></tr>
<tr><td>8.</td><td>If the project falls within 10 km of eco-sensitive area/ National park/ Wild Life Sanctuary. If yes,<br>a. Name of eco-sensitive area/ National park/ Wild Life Sanctuary and distance from the project site.<br>b. Status of clearance from National Board for Wild Life (NBWL).</td><td>Not applicable, as no Wildlife Sanctuary or Eco-sensitive area or National park falls within 10 km of the project location. An undertaking to the effect that the no clearance required under the provision of Wild Life (Protection) Act 1972.</td></tr>
<tr><td>9.</td><td>Classification/ Land use pattern as per Master Plan</td><td>The project location falls in industrial zone as per the master plan of Mandi Gobindgarh, Punjab.</td></tr>
<tr><td>10.</td><td>Cost of the project</td><td>The existing cost of the project is: Rs. 541.16 Lakhs<br>Proposed cost of expansion is estimated to be: Rs. 1,396.04 Lakhs<br>Overall project cost after expansion is: Rs. 1,937.2 Lakhs (19.372 Crores)</td></tr>
<tr><td>11.</td><td colspan="2">Total Plot area, Built-up area and Green area
<table>
<tr><th>S. No.</th><th>Description</th><th>Total area (in sq.m.)</th></tr>
<tr><td>1.</td><td>Existing covered area including shed covered area, office, block area and stores, canteen etc.</td><td>7,686.32</td></tr>
<tr><td>2.</td><td>Proposed covered area</td><td>156.13</td></tr>
<tr><td>3.</td><td>Green area (33%)</td><td>5,631.97</td></tr>
<tr><td>4.</td><td>Road area</td><td>2,788.10</td></tr>
<tr><td>5.</td><td>Parking area</td><td>476.76</td></tr>
<tr><td>6.</td><td>Open area</td><td>299</td></tr>
<tr><td colspan="2">Total area</td><td>17,038.3 sq.m (4.208 acres)</td></tr>
</table></td></tr>
</table>

<table>
<tr><td>12.</td><td>Break up of Water Requirements & source in Operation Phase (Summer, Rainy, Winter):</td><td>The existing water requirement of the unit is 16 KLD which is being meet through existing borewells. Out of this, 14.5 KLD is makeup water demand for cooling purpose and 1.5 KLD is domestic water demand.<br><br>After Expansion, total water requirement for the project is estimated to be 52.5 KLD; out of this, 19 KLD will be makeup water demand for cooling purpose, 2.5 KLD will be domestic water demand and 31 KLD will be green area water demand for 5,631.97 sq.m.</td></tr>
<tr><td>13.</td><td>Treatment & Disposal arrangements of wastewater in Construction Phase</td><td>Septic tank</td></tr>
<tr><td>14.</td><td>Disposal Arrangement of Wastewater in Operation Phase</td><td>Approx. 1 KLD of domestic effluent is being generated from the existing unit which is being disposed in septic tank provided within project premises. After expansion, approx. 2 KLD of domestic wastewater will be generated which will be treated in existing septic tank.</td></tr>
<tr><td>15.</td><td>Rain water recharging detail</td><td>No rain water recharging pits has been proposed within project premises. Thus, rain water recharging will be done outside of project premises by adopting pond. NOC will be obtained from Sarpanch of the Village regarding pond adoption.</td></tr>
<tr><td>16.</td><td>Solid waste generation and its disposal</td><td>a) Approximately, 7 kg/day of domestic solid waste from the existing unit. After expansion, approx. 10 kg/day of domestic solid waste which will be managed as per SWM Rules, 2016.<br><br>b) Approx. 2 TPD of slag is being generated from the existing unit. After expansion, approx. 4 TPD of slag will be generated from the industrial unit which will be given to Concrete Blocks/ RCC tiles etc. manufacturing units for co-processing.</td></tr>
<tr><td>17.</td><td>Hazardous Waste & E- Waste</td><td>Details of the hazardous waste is given below:
<table>
<tr><th rowspan="2">S. No.</th><th rowspan="2">Description</th><th colspan="2">Quantity</th></tr>
<tr><th>Existing</th><th>Total After Expansion</th></tr>
<tr><td>1.</td><td>Cat 35.1 Qty (APCD dust)</td><td>0.2 TPD</td><td>0.3 TPD</td></tr>
<tr><td>2.</td><td>Cat 5.1 Qty (Spent Oil)</td><td>0.04 KLA</td><td>0.3 KLA</td></tr>
</table></td></tr>
</table>

<table>
<tr><td></td><td></td><td>Agreement done with M/s Nimbua Greenflield (Punjab) Ltd. for disposal of APCD dust and used oil given to Authorized vendor. A copy of agreement executed on 09.02.2016 between the industry and said agency submitted.<br><br>E-waste will be disposed off as per the E-waste (Management) Amendment Rules, 2018.</td></tr>
<tr><td>18.</td><td>Energy Requirements & Saving</td><td>Energy requirement is given below:
<table>
<tr><th>S. No.</th><th>Description</th><th>Existing</th><th>Total After Expansion</th></tr>
<tr><td>1.</td><td>Power load</td><td>2,200 KW</td><td>4,100 KW</td></tr>
<tr><td>2.</td><td>DG set</td><td>1 DG set of 60 KVA</td><td>1 DG set of 320 KVA & 1 DG set of 60 KVA</td></tr>
</table>
Source: PSPCL<br><br><u>Energy Saving measures adopted:</u><br><br>a) LEDs has been provided.<br><br>b) Energy efficient Induction Furnaces and other machinery will be installed.</td></tr>
</table>

SEAC was satisfied with the presentation and reply given by the project proponent and decided to forward the case to SEIAA by categorizing the project under Activity 3(a); B1 with public consultation as required as per the statutory provisions. The baseline study shall be carried out by Environmental Consultant for full season except monsoon season. The Committee approved the proposed Terms of Reference for preparing Environmental Impact Assessment (EIA) report for the project and recommended to SEIAA to issue the TORs in addition to the specific ToRs as under:

**Specific ToRs**

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 provided that the number of trees to be planted should not be less than one tree per 80 sq.m of the total project area. 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 compliance report.

iv. The Project Proponent shall obtain authorization under the provisions of Hazardous and other Wastes (Management & Transboundary Movement) Rules, 2016**.**

v. The industry shall plant trees within the premises of the industry with immediate effect.

**STANDARD TERMS OF REFERENCE**

**I) <u>Executive Summary</u>**

Report in about 8-10 pages incorporating the following:

i) Introduction of the Project and Promoter Company.

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

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

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

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

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

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

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

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

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

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

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

xiii) CSR/CER plan with proposed expenditure.

xiv) Occupational Health Measures

xv) Post Project monitoring plan

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

**II) Introduction**

i) Details of the EIA Consultant including NABET accreditation

ii) Information about the project proponent

iii) Importance and benefits of the project

**III) Project Description**

i) Cost of project and time of completion.

ii) Products with capacities for the proposed project.

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

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

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

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

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

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

ix) Hazard identification and details of proposed safety systems.

x) In case of Expansion/modernization proposals:

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

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

**IV) Site Details**

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

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

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

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

v) Google map-Earth downloaded of the project site

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

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

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

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

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

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

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

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

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

**V) Forest and wildlife related issues (if applicable):**

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

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

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

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

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

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

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

**VI) <u>Environmental Status</u>**

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

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

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

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

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

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

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

viii) Soil Characteristic as per CPCB guidelines.

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

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

xi) Socio-economic status of the study area.

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

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

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

ii) Water Quality modelling.

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

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

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

vi) Measures for fugitive emission control

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

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

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

x) Action plan for rainwater harvesting measures at alternative sites shall be submitted to harvest rainwater from the roof tops and storm water drains to recharge the groundwater and also to use for the various activities to conserve freshwater and reduce the water requirement from other sources.

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

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

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

**VIII) <u>Occupational health</u>**

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

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

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

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

**IX) Corporate Environment Policy**

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

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

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

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

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

**X) Enterprise Social Commitment (ESC)**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

xxiii) Examine and submit the proposal for: -

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

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

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

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

| Plant /Unit | Pollutants | Qty generated | Method used to Control /specifications (attach Separate | Number of units planned | Budget | Estimated Post Control Qty Pollutant |
|---|---|---|---|---|---|---|

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | Sheet to furnish Details) | & Capacity | | | |
| | | | | | | Per Unit | Per day |
| | | | | | | | |
| | | | | | | | |

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

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

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

**XIII) General Guidelines:**

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

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

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

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

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

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

**2.0 Deliberations during 201st meeting of SEIAA held on 22.02.2022.**

The case was considered by SEIAA in its 201st meeting which was attended by the following:

(i) Mr. Balram Gupta, Director of the promoter company.

(ii) Dr. Sandeep Garg, EIA Coordinator and Mrs. Simranjit Kaur, EIA Coordinator from M/s Eco laboratories Pvt Ltd.

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

SEIAA observed that the case stands recommended by SEAC for issuance of ToRs to the project proposal. SEIAA examined the details of the case and was satisfied with the same.

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

Submit draft EIA report (two copies each to Member Secretary, SEAC and Member Secretary, SEIAA) at the time of submission to PPCB for public hearing. Suggestions made on the draft EIA report by SEIAA/SEAC be incorporated in the final EIA report to be uploaded on the Parivesh portal.

**Item No 201.04: Application for amendment in Environmental Clearance granted under EIA notification dated 14.09.2006 for the establishment of the Group Housing project namely Affinity Greens located at Ramgarh Bhudda, Zirakpur, Dera Bassi, SAS Nagar, by M/s Affinity Builders (Proposal No. SIA/PB/MIS /242371/2021).**

Background and salient features of the matter are as under:

The project proponent was granted Environmental Clearance vide letter no. SEIAA/2018/193 dated 26.02.2018 for the establishment of the Group Housing project namely "Affinity Green" in an area of 19984 sqm. having built up area of 48645 sqm., located at Ramgarh Bhudda, Zirakpur, Dera Bassi, SAS Nagar, Punjab.

Now, the project proponent has applied for obtaining amendment in the Environmental Clearance granted to it and submitted Form-4 along with compliance of the conditions of the earlier Environment Clearance granted to the project. As per the approved layout plan, the built-up area of the project has now been revised to 47477 sqm including total residential built up area, basement area and stilt area.

The Project Proponent informed that the structural activity of the group housing project has been completed and STP has been installed at site.

The project proponent deposited the processing fee of Rs. 94,954/- through NEFT no. UBIN0903191C71374111221144936 dated 11.12.2021, as verified by supporting staff SEIAA.

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

**1.0 Deliberations during 213th meeting of SEAC held on 09.02.2022.**

The meeting was attended by the following:

1. Sh. Bipan Kumar, Managing Director.
2. Sh. Sital Singh, EIA coordinator, M/s Chandigarh Pollution Testing Laboratory, E- 126, Phase-VII, Industrial Area, Mohali.
3. Sh. Deepak Gupta, Environmental Advisor.

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

**Table 1.0**

| Sr. no. | Reference of Approved EC | Description as per approved EC | Description as per proposal | Remarks |
|---|---|---|---|---|
| 1 | Flats | 322 | 326 | Increase by 4 Number of Flats |
| 2 | Shops | 6 | 6 | No increase |
| 3 | Population | 1610 persons | 1630 persons | Increase by 20 persons |
| 4 | Built up area | 48645 sqm | 47477 sqm | Decrease by 1168 sqm |
| 5 | Domestic Water | 218 KLD | 221 KLD | Increase by 3 KLD |
| 6 | Fresh water required | 147 KLD | 148 KLD | Increase by 1 KLD |
| 7 | Flushing Requirement | 72 KLD | 73 KLD | Increase by 1 KLD |
| 8 | Waste Water generation | 175 KLD | 176 KLD | Increase by 1 KLD |
| 9 | MSW | 644 Kg/day | 654 Kg/day | Increase by 10 kg/day |
| 10 | Green area | 3485 sqm | 3615 sqm | Increase by 130 sqm |

Further, as per the approved Environmental Clearance granted to the Project Proponent, it has been proposed to install STP of capacity 275 KLD to treat the wastewater generated from the project. Now, the Project Proponent informed that there is no need to enhance the capacity of the STP, as the same shall be capable of handling the waste water generation of 176 KLD.

During meeting, the Environmental Advisor informed the Committee that out of the total 326 flats proposed to be constructed, the built-up area of some of the flats have been decreased and the number of flats have been increased from 322 to 326. In this regard, the Environmental Advisor also submitted a copy of letter dated 11.02.2022, wherein it has been mentioned as above. A copy of the said letter was taken on record by SEAC.

The Committee was satisfied with the reply given by the project proponent and after discussion and deliberations, SEAC decided to forward the case to the SEIAA with the recommendation to grant amendment in Environmental Clearance granted to the Project Proponent.

**2.0 Deliberations during 201st meeting of SEIAA held on 22.02.2022**

The case was considered by SEIAA in its 201st meeting which was attended by the following:

(i) Sh. Bipan Kumar, Managing Director.

(ii) Sh. Sital Singh, EIA coordinator and Sh. Sandeep Singh, Environmental Advisor of M/s Chandigarh Pollution Testing Laboratory, E- 126, Phase-VII, Industrial Area, Mohali.

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

During the meeting, it was informed that the project is under construction phase and certain amendments are required due to change in layout plan as per the details mentioned in above Table 1.0 presented before SEAC. SEIAA observed that built-up area of the project has decreased by 1168 sqm whereas population has marginally increased by 20 persons. As such, there is no major impact on the Environment except slight increase in the quantity of domestic water, fresh water, flushing water, waste water generation and Municipal Solid Waste (MSW) generation.

On being asked by SEIAA, Environmental consultant of the promoter company presented the report on compliance of the conditions of Environmental Clearance granted to the project. Project Proponent / Environmental Consultant also assured that all stipulated conditions of the EC would be fully implemented and the requisite 6 monthly compliance reports would be submitted / uploaded as per EC conditions.

SEIAA observed that the case stands recommended by SEAC for amendment in the Environmental Clearance granted to the project proposal. SEIAA also examined the details of the case and was satisfied with the same.

After detailed deliberations, SEIAA decided to accept the recommendations of SEAC and amend Environmental Clearance granted vide no. SEIAA/2018/193 dated 26.02.2018 for the establishment of the Group Housing project namely Affinity Greens located at Ramgarh Bhudda, Zirakpur, Dera Bassi, SAS Nagar, by M/s Affinity Builders as per the Table-1 given above with all other details and conditions remaining same as in the original Environmental Clearance.

**Item No. 201.05: Application for Environment Clearance under EIA notification dated 14.09.2006 for the establishment of new API Bulk Drug Pharmaceutical manufacturing unit by "M/s Valance Labs Private Limited at Villlage Jansui & Gadomajra, Tehsil Rajpura, District Patiala Punjab, (Proposal No. SIA/PB/IND3/245929/2021).**

Background and salient features of the matter are as under:

The industry has proposed to establish new API Bulk Drug Pharmaceutical manufacturing unit by "M/s Valance Labs Private Limited at Villlage Jansui & Gadomajra, Tehsil Rajpura, District Patiala Punjab. The proposed project aims to manufacture 40 products of APIs, Drug Intermediates of total production capacity of 10TPD. The total land area of the project is 81585 Sqm. (20.16 acres) and total project cost Rs. 205 Cr.

The project proponent submitted the Form I, and other additional documents along with processing fee amounting to Rs. 20,50,000/- paid vide NEFT No. ICICR52021121600675635 dated 16.12.2021, as verified by supporting staff SEIAA.

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

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

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

Since, the project has applied for obtaining Environmental Clearance on 18.12.2021, the project can be considered as B2 category project.

Furthermore, PPCB was requested to send the latest construction status report of the project through e-mail on 21.12.2021. Punjab Pollution Control Board vide letter no. 615 dated 20.01.2022 has sent the latest construction status report with details as under:

The site of the proposed project was visited by the officers of the Board on 12.01.2022 to verify the facts. The point wise reply/comments of the Board, to the information sought is as under:

| Sr. No. | Point as desired by EE (SEIAA) | Comments |
|---|---|---|
| 1. | Construction status of the proposed project. Please send the clear-cut report as to whether construction has been started for the proposed project except securing the land. | The site of the proposed project was visited by the officer of the board on 12.01.2022 and it was observed that the Project Proponent has not started any construction work at the proposed site. |
| 2. | Status of physical structures within 500m radius of the site including the status of industries, drain, river, eco-sensitive structure if any. | It was observed that two no. residential houses, one no. School (found closed during visit), one no. tile factory and lal lakir/phirni of Village Jansui exist within a radius of 500 meter from the proposed site. Further, the school (which was found closed) is adjacent to the proposed site. |
| 3. | Whether the site is meeting the prescribed criteria for setting up of such type of projects. | The industry has submitted the land use classification certificate issued by Distt. Town Planner, Patiala, vide letter No.2129/DTP(P)/C-34 dated 21.12.2021 stating that the site falls in the industrial land use zone as per the provisions of notified Master Plan, Rajpura and the site is suitable for the establishment of such type of unit. However, the industry is required to provide 15 ft wide green buffer towards the school side so as to avoid any nuisance. |

**1.0 Deliberations during 214th meeting of SEAC held on 09.02.2022.**

The meeting was attended by the following:

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

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

| | | |
|---|---|---|
| 1. | Name of the project | **M/s Valence Labs Private Limited**<br>Revenue estate of Village Gadomajra & Jansui, Tehsil- Rajpura, District- Patiala, Punjab. |
| 2. | Online Proposal No. | SIA/PB/IND3/245929/2021 |

| | | |
|---|---|---|
| 3. | Nature of project (EC for new project/EC for Expansion/ EC for existing & proposed project) | Fresh EC |
| 4. | a) Category<br>b) Activity<br>(As per schedule appended to EIA Notification, 2006 as amended time to time) | **B2**<br>As per S.O. 2859(E) dated: 16.07.2021 "All proposals for projects or activities in respect of Active Pharmaceutical Ingredients (API) received up to the 31stDecember 2021, shall be appraised as Category 'B2' Projects. |
| 5. | a. Whether the project falls in the critical polluted area notified by MoEF&CC/CPCB. (Yes/No)<br>b. If no and the proposed project site lies in the same or neighbouring district of critically polluted area, then details the distance of project site from the boundary of critically polluted area verified by the regional office of SPCB. (Submitted/Not submitted) | No<br>No |
| 6. | a. Project area involves forest land, (Yes/No),<br>**If yes,** then details of the the extent of area involved and copy of permission & approval for the use of forest land<br>b. Project area involves land under PLPA (Yes/No), | No, an undertaking to the effect that the no land area of the project is involved under the Forest Conservation Act 1980 or PLPA Act 1900 and Wildlife (Protection) Act 1972 submitted. |

<table>
<tr><td></td><td>If yes, then details of the the extent of area involved and copy of permission & approval for the use of PLPA land<br><br>c. Project area involves Wild Life Area, (Yes/No),<br><br>If yes, then details of the extent of area involved and copy of permission & approval under Wild Life (Protection) Act 1972 for the use of said land.</td><td></td></tr>
<tr><td>7.</td><td>Total project cost breakup at current price level duly certified by Chartered Engineer/ Approved valuer or Chartered Accountant</td><td>Total project cost breakup is following:
<table>
<tr><th>Description</th><th>Cost (Rs. in Crores)</th></tr>
<tr><td>Cost of Land at current price level</td><td>10</td></tr>
<tr><td>Building</td><td>55.0</td></tr>
<tr><td>* Plant & Machinery</td><td>138.50</td></tr>
<tr><td>Others</td><td>1.5</td></tr>
<tr><td>Total</td><td>205.0</td></tr>
</table></td></tr>
<tr><td>8.</td><td colspan="2">Plot Area Details<br><br>Total Area – 20.16 Acres or 81585 Sqm
<table>
<tr><th colspan="3">Land distribution</th></tr>
<tr><th>Sr. no.</th><th>Particulars</th><th>Area in square meter.</th></tr>
<tr><td>1.</td><td>Plant Area, Office Area (Ground coverage)</td><td>22258</td></tr>
<tr><td>2.</td><td>Paved Area (Road, Corridor, Parking and Drainage)</td><td>15864</td></tr>
<tr><td>3.</td><td>Green Belt Area</td><td>27114 (33%)</td></tr>
</table></td></tr>
</table>

| | | | |
|---|---|---|---|
| | 4. | Open Area | 16349 |
| | | **Total area** | **81585 -** |
| 9. | a. Details of land area | | The industry has submitted the land documents in form of letter of consents in favor of M/s Valence Lab Pvt., Ltd, for the total land area falling in the **village Gadomajra**, Tehsil Rajpura, bearing khasra no. - 318(6-5), 319(6-5), 320(6-5), 323(6-5), 326(5-3), 322(4-18), 325(4-2), 498/310(0-8), 500/311(0-5), 503/315(4-15), 505/316(4-15), 508/317(0-5), 510/317(1-11), 703/324(3-5), 704/324(1-18)<br><br>The industry has submitted the land documents in form of letter of consents in favor of M/s Valence Lab Pvt., Ltd, for the total land area falling in the **village Jansui**, Tehsil Rajpura, bearing khasra no. 83(6-3), 154(6-5), 155(6-5), 156(8-12), 157(7-14), 159(6-5),<br><br>160(5-14), 165(3-7), 167(6-8), 84(7-10), 85(6-5),<br><br>86(6-5), 87(6-5), 88(6-5), 89(6-5), 90(6-5), 91(6-5), 92(6-5), 93(6-5), 94(6-5), 95(4-10), 96(5-11), 97(6-5), 98/1(2-7), 146(0-2), 148(0-2), 150/1(0-3), 150/3(2-15),151(5-5), 152/2/2/2(4-11), 153/3(4-10), 153/3min(1.5),161/2(1-17), 163(7-6), 164(6-12), 376/98(2-18), 461/149/2/(1-17), 514/170/2/4(1-0), 153/1/2(2-9-10.00), 153/3(1-10), 166/1(0.19), 166/3(2-19), 506/82(9.1), 168/2(4-16), 462/169/3(0.17), 461/149/2/2(1-16), 463/169/3(1-19), 514/170/2(0-10), 514/170/2/2(0.10), 514/170/2/3(0.10), 505/82(2-9), 169/1(0-18), 513/170/2(0.2), 375/98(1-0). |
| | b. Type of project land as per master plan (Industrial/Agriculture/Any other), | | |
| | c. If non industrial land then the details of Land Use Certificate / permissibility Certificate from Competent Authority (DTP/CTP) intimating land use pattern of the project site as per proposals of Master Plan of the area. | | Further, the industry has also submitted MOA bearing the name of subscribers as Sh. Harsh Dev Goyal, Sh. Munish Goyal and Smt. Minu Goyal.<br><br>Further, the site falls in Industrial zone as per Master plan of Rajpura. DTP vide letter no. 2129 dated 21.12.2021 informed that the land falling in village Gado majra Tehsil Rajpura bearing Khasra |

| | | |
|---|---|---|
| | (Submitted/Not Submitted) | no. 318(6-5), 319(6-5), 320(6-5), 323(6-5), 326(5-3), 322(4-18), 325(4-2), 498/310(0-8), 500/311(0-5), 503/315(4-15), 505/316(4-15), 508/317(0-5), 510/317(1-11), 703/324(3-5), 704/324(1-18) ਕੁੱਲ 56 ਬਿਘਾ 5 ਬਿਸਵੇ land falling in the village jansui bearing khasra no. 154 (2-10), 155(2-10), 156(8-12), 157(2-15), 153/1/2(0-19-3), 154(3-15), 158(7-14), 159(5-0), 160(3-18-1), 153/1/2(1-10-7) ਕੁੱਲ 42 ਬਿਘਾ 18 ਬਿਸਵਾ 11 ਬਿਸਵਾਸੀ falls in general industrial zone as per local planning area Rajpura, wherein the industrial activity is allowed. |
| 10. | Whether any litigation pending against the project or any direction/order passed by SPCB/ Court of Law against the project, if so, details there of shall also be included. | No litigation is pending, an undertaking in this regard submitted by the Project Proponent. |
| 11. | **Raw material details** | |

| **Sr. No.** | **Name of Raw Materials** | **Qty Tonne per annum** |
|---|---|---|
| 1 | Acetic Acid | 60 |
| 2 | Acetic Anhydride | 7 |
| 3 | Acetone | 80 |
| 4 | Acetonitrile | 125 |
| 5 | Aluminum Chloride | 94 |
| 6 | Ammonia (15%) | 2 |
| 7 | Ammonium Chloride | 1.5 |
| 8 | Benzaldehyde | 18 |
| 9 | Benzene sulfonic acid | 20 |
| 10 | Benzoyl Chloride | 11 |
| 11 | Bromine | 50 |
| 12 | Carbon | 10 |

| | | |
|---|---|---|
| 13 | Chloroform | 150 |
| 14 | Cyclohexane | 225 |
| 15 | 1,4-Dioxane | 7 |
| 16 | Diethylamine | 45 |
| 17 | Dimethyl Carbonate | 5 |
| 18 | Dimethyl Sulfate | 10 |
| 19 | Dimethyl formamide | .06 |
| 20 | Epichlorohydrin | 1 |
| 21 | Ethanol | 430 |
| 22 | Ethanolamine | 10 |
| 23 | Methyl Ethyl Ketone | 5 |
| 24 | Methyl Iodide | 12 |
| 25 | Methyl isobutyl ketone | 7 |
| 26 | Methylamine | 55 |
| 27 | Methylamine (40%) | 50 |
| 28 | Methylene Dichloride | 550 |
| 29 | Methyl--methoxy butanoate | 7 |
| 30 | Methylene Dichloride | 125 |
| 31 | N-(2-(benzyloxy)-5-(oxiran-2-yl)phenyl) formamide | 15 |
| 32 | N-(3-Dimethylaminopropyl)-N-ethyl carbodiimide | 7.8 |
| 33 | N,N-Carbodimidazole | 7 |
| 34 | N,N-Carbonyldiimidazole | 11.5 |
| 35 | Naphthyl methyl chloride | 250 |
| 36 | n-Butanol | 4.7 |
| 37 | n-Hexane | 4.1 |
| 38 | o-Xylene | 0.6 |
| 39 | Paraformaldehyde | 25 |
| 40 | Petroleum Ether | 12 |

| | | |
|---|---|---|
| 41 | Phosphoric acid | 5.5 |
| 42 | Phosphorous Oxychloride | 1.2 |
| 43 | Polyphosphoric acid | 5.0 |
| 44 | Potassium Hydroxide | 23 |
| 45 | p -Toluene sulfonyl Chloride | 2.5 |
| 46 | Pyridine | 1 |
| 47 | Morpholine | 18 |
| 48 | POCl3 | 22 |
| 49 | Citidine | 25 |
| 50 | NaHCO3 | 6.6 |
| 51 | 2-Methoxy Naphthalene | 2 |
| 52 | Mono chloro benzene | 6 |
| 53 | Hydrose | 3.3 |
| 54 | Sodium bicarbonate | 30.0 |
| 55 | 2-butanol | 100 |
| 56 | Monochloro acetic acid | 70 |
| 57 | p-toluene sulphonic acid | 350 |
| 58 | Potassium hydroxide | 40 |
| 59 | 2-acetyl-6-methoxy napthalene | 160 |
| 60 | Sodium hydroxide | 70 |
| 61 | Hydroxylamine sulphate | 55 |
| | **TOTAL (Ton Per Annum)** | **3503 TPA** |

12. **Production Capacity details**:

| S. No. | Products | Production (TPD) | Production (TPA) |
|---|---|---|---|
| 1 | Alpha Lipoic Acid | 10 | |
| 2 | Amlodipine Besylate | | |
| 3 | Apixaban | | |
| 4 | Atorvastatin | | |

| | | | |
|---|---|---|---|
| 5 | Azithromycin | | 3300 |
| 6 | Celecoxib | | |
| 7 | Chlorzoxazone | | |
| 8 | Citicholine | | |
| 9 | Clarithromycin | | |
| 10 | Clopidogrel Besylate | | |
| 11 | Clopidogrel Besylate Form-1 | | |
| 12 | Clopidogrel Besylate Form-2 | | |
| 13 | Dabigatran Etexilate Mesylate | | |
| 14 | Dapagliflozin Propanediol Monohydrate | | |
| 15 | Dexketoprofen trometamol | | |
| 16 | Dronedarone Hydrochloride | | |
| 17 | Duloxetine Hydrochloride | | |
| 18 | Empagliglozin | | |
| 19 | Erythromycin | | |
| 20 | Ezetimibe | | |
| 21 | Febuxostat | | |
| 22 | Fluconazole | | |
| 23 | Flurbiprofen | | |
| 24 | Glimepiride | | |
| 25 | Ketprofen from Keto Nitrile | | |
| 26 | Levetiracetam | | |
| 27 | Levofloxacin hemihydrate | | |
| 28 | Loxoprofen Sodium | | |
| 29 | Pantoprazole salts | | |
| 30 | Pregabalin | | |
| 31 | Rebamipide | | |
| 32 | Rivaroxaban | | |
| 33 | Naproxen | | |

| | | | |
|---|---|---|---|
| 34 | Furosemide | | |
| 35 | Citicoline | | |
| 36 | Brivaracetam | | |
| 37 | Gliclazide | | |
| 38 | Sertraline Hydrochloride | | |
| 39 | Vildagliptin | | |
| 40 | Rosuvastatin | | |
| | Research and development products Intermediates | | |
| | **Total Production Capacity** | **10 TPD** | **3300 TPA** |

| | | |
|---|---|---|
| 13. | Details of major productive machinery/plant: | Attached as Annexure-I. |

14. **Details of Emissions:**

The entire reaction will be carried out in the closed reactors, as such, there will not be any process emissions. However, from Boiler, there may be some emissions and to control the same **Multicyclone shall be installed**. The pollution load to be generated, is given as under: -

| | |
|---|---|
| Boiler Capacity | 8 TPH |
| Type of Fuel | Rice Husk |
| Fuel Consumption (TPD) | 8 TPD |
| Ash Content (TPD) | 15-16% |
| No. of Stacks | 1 |
| Height of stack (m) | 30 |
| Gas Volume ($Nm^3/Hr$) | 15000 |
| Emission standards to be achieved ($mg/Nm^3$) | 500 |
| Load of Particulate Matter as PM (kg/day) | 108 |

| | | |
|---|---|---|
| 15. | Hazardous/Non-Hazardous Waste Generation details & their storage, utilization and its disposal. Copy of | Attached as Annexure-II. |

| | | |
|---|---|---|
| | Agreement clearly mentioning the Quantity | |
| 16. | Solid waste generation in Operation Phase: | Domestic waste will be generated at project site, which will be collected in dustbins, segregated and disposed off to Municipal Council Sites, Rajpura.<br>Bio Degradable waste will be treated in the plant itself by composting. All Non Bio Degradable and Hazardous waste is shifted to the Govt. approved site and handed over to the approved recyclers. |
| 17. | Breakup of Water Requirements & its source in Operation Phase: | The industry has submitted an acknowledgement dated 12.12.2021 of the application submitted to PWRDA for abstraction of ground water @ 320 KLD |

| **Utilities** | **Fresh Water consumption (KLD)** | **Recycled Water (KLD)** | **Total Water Demand (KLD)** |
|---|---|---|---|
| Domestic | 20 | -- | 20 |
| Industrial | 300 | 190 | 490 |
| Green Belt Development | -- | 80 (Treated water) | 80 |
| **Total** | **320** | **270** | 590 |

| | | |
|---|---|---|
| 18. | Rain Water utilization proposal during monsoons (Submitted/Not Submitted) | **Outside:** The industrial unit has adopted one village pond of village Mirzapur for rain water harvesting in vicinity of project site. The total area of the pond is 1.5 acres. |
| 19. | Block wise details of no. of trees to be planted in proposed greenbelt area(1500 Trees to be planted @ 10000 Sqm area): | **Area allocation for green belt:** 33% i.e. 27114$m^2$ of total area as per MoEF&CC stipulated norms will be developed as the green belt. A total of 4065 trees shall be planted. |

<table>
<tr><td>20.</td><td>Energy requirement & Savings</td><td colspan="3"><table>
<tr><th>Sr. No.</th><th>Description</th><th>Unit</th></tr>
<tr><td>1.</td><td>Power load</td><td>3800 KW</td></tr>
<tr><td>2.</td><td>DG Set</td><td>1500 KWA</td></tr>
</table></td></tr>
<tr><td>21.</td><td>a. EMP Budget details</td><td colspan="3">a. EMP budget details:<br>Rs 780.65 as capital cost and Rs 290.65 lakhs as recurring cost.</td></tr>
<tr><td></td><td colspan="4"><table>
<tr><th>S. NO.</th><th>Title</th><th>Capital Cost of EMP (in Lakhs)</th><th>Recurring Cost of EMP (in lakhs/annum)</th></tr>
<tr><td>1.</td><td>Air Pollution Control Devices</td><td>130</td><td>25</td></tr>
<tr><td>2.</td><td>Water Pollution control</td><td>350</td><td>65</td></tr>
<tr><td>3.</td><td>Solid and hazardous waste management</td><td>65</td><td>100</td></tr>
<tr><td>4.</td><td>Water Pollution /Air pollution/ Noise Pollution Monitoring</td><td>30</td><td>10</td></tr>
<tr><td>5.</td><td>Environment management & compliances of regulations</td><td>25</td><td>10</td></tr>
<tr><td>6.</td><td>Occupational Health</td><td>10</td><td>30</td></tr>
<tr><td>7.</td><td>Green belt</td><td>40.65</td><td>40.65<br>(for 3 years)</td></tr>
<tr><td>8.</td><td>Rainwater Harvesting</td><td>50</td><td>10</td></tr>
<tr><td>9.</td><td>CER cost</td><td colspan="2">80.0</td></tr>
<tr><td></td><td>Total</td><td>780.65</td><td>290.65</td></tr>
</table></td></tr>
<tr><td></td><td>Details of Environment Management Cell (EMC) responsible for implementation of EMP</td><td colspan="3">The Environment Management Cell (EMC) responsible for implementation of EMP is as under:<br>1. Project Promoter<br>2. Process Incharge<br>3. Environmental Consultant</td></tr>
</table>

**Annexure-I**

**DETAILS OF PLANT & MECHINERY**

| Sr. No. | Equipment Details | Quantity |
|---|---|---|
| I | **API COMMERCIAL PLANT EQUIPMENTS** | |
| 1 | Glass Lined Reactors of different capacities with accessories | 10 |
| 2 | Stainless Steel Reactors of different capacities with accessories | 15 |
| 3 | Hastelloy Reactors of different capacities with accessories | 5 |
| 4 | Solvent Holding Tank | 7 |
| 5 | Nutsche Filters or equivalent | 10 |
| 6 | Cartridge Filters or equivalent | 5 |
| 7 | Centrifuge Systems | 7 |
| 8 | Rinse Cooling Tank with pumps | 5 |
| 9 | Mother Liquor Receiver | 7 |
| 10 | Dryers with accessories | 7 |
| 11 | Finishing/Powder Processing Units | 10 |
| 12 | Bulk Material Containers | 1 |
| 13 | Vacuum Pumps or equivalent | 7 |
| 14 | Hot water supply unit | 5 |
| 15 | Acid/Alkali Scrubbers | as per requirement |
| II | **API PILOT PLANT EQUIPMENTS** | |
| 16 | Glass Lined Reactors of different capacities with accessories | 10 |
| 17 | Stainless Steel Reactors of different capacities with accessories | 6 |
| 18 | Hastelloy Reactors of different capacities with accessories | 2 |
| 19 | Heat Exchangers | 5 |
| 20 | Filters | 5 |
| 21 | Centrifuge | 3 |
| 22 | Solvent Holding Tanks/ Mother Liquor Receiver | 7 |
| 23 | Rinse Cooling Tank with pumps | 2 |

| | | |
|---|---|---|
| 24 | Dryers with accessories | 2 |
| 25 | Acid/Alkali Scrubbers | 3 |
| 26 | Pumps | 5 |
| **III** | **R&D & LABORATORY EQUIPMENT** | |
| 27 | HPLC – Liquid Chromatograph | 15 |
| 28 | GC – Gas Chromatograph | 7 |
| 29 | Evaporators | 10 |
| 30 | Constant Temperature Bath | 10 |
| 31 | Stability Chambers | 7 |
| 32 | Auto-Dripper Pump, Auto constant liquid dripper | 5 |
| 33 | Balance | 10 |
| 34 | Moisture Analyzer | 2 |
| 35 | Refrigerator/Freezers | 5 |
| 36 | Thermal Analyzer, DSC | 2 |
| 37 | NMR | 3 |
| 38 | LC-MAS, 30-1500u | 2 |
| 39 | IR, FT-IR | 2 |
| 40 | TOC Analyzer | 3 |
| 41 | ICPMS | 1 |
| 42 | XRD | 1 |
| 43 | Compressor | as per requirement |
| 44 | Vacuum Pump | --do-- |
| 45 | Gases | --do-- |
| IV | **UTILITIES** | |
| 46 | Boiler & Accessories (Capacity @ 8TPH) | 2 |
| 47 | Water Softner | as per requirement |
| 48 | D.M. Plant | --do-- |

| | | |
|---|---|---|
| 49 | R.O. Plant | --do-- |
| 50 | Water Storage Tanks | --do-- |
| 51 | Oil Storage Tanks | --do-- |
| 52 | Brine Chiller | --do-- |
| 53 | Cooling Towers | --do-- |
| 54 | Chilled Water System | --do-- |
| 55 | DG Set (1500KVA) | --do-- |
| 56 | Air Compressors | --do-- |
| 57 | Effluent Treatment System | --do-- |
| 58 | Air Pollution Control System | --do-- |
| 59 | Fire Protection Equipments | --do-- |
| 60 | Solvent Storage Tanks | --do-- |
| 61 | Weigh Bridge | 1 |

**Annexure-II**

**Details of hazardous waste generation and its management**

| S. No | Type of Waste | Category ( As per Schedule) | Quantity (TPA/KLA) | Source of Generation | Mode of Storage | Mode of Treatment and Disposal |
|---|---|---|---|---|---|---|
| 1 | Distillation Residues | 20.3 | 330 | From Solvent Distillation | Drums | Sale to registered Recyclers |
| 2 | Distillation Residue | 28.1 | 330 | From Distillation | Drums | Sale to registered Recyclers |
| 3 | Mobile Oil | 5.1 | 60 | Periodic Service of DG sets | Drums | Sale to registered Recyclers |
| 4 | Spent Catalyst | 28.2 | 5.28 | Catalyst Residue | Drums/ HDPE Bags | Send to TSDF facility |

| | | | | | | |
|---|---|---|---|---|---|---|
| 5 | Spent Carbon | 28.3 | 16.5 | Waste Carbon | HDPE Bags | Send to TSDF facility |
| 6 | Off specification products | 28.4 | 2 | Production process | HDPE Bags | CBMWTF/TSDF for incineration |
| 7 | Date Expired Products | 28.5 | 2 | Products storage area | HDPE Bags | CBMWTF/TSDF for incineration |
| 8 | Spent Solvents | 28.6 | 1650 | Waste Solvent | Drums | Sent to registered recycler/ Incineration |
| 9 | Empty Barrels/Containers/Liners contamined with Hazardous Chemicals/ Waste | 33.1 | 2000 | Raw Material Empty Bags, Empty Drums/Jerricans | Isolated Storage area | Sale to registered Recyclers |
| 10 | Contaminated Cotton Rags or other Cleaning Materials | 33.2 | 1.5 | Contaminated Cleaning Cloth/ Oil Soaked Cloth | HDPE Bags | TSDF for incineration |
| 11 | ETP Sludge | 35.3 | 970 | From Effluent Treatment Plant | HDPE Bags | Sent to TSDF facility |
| 12 | Spent Carbon or Filter Medium | 36.2 | 7 | Filter Material, Spent Carbon | HDPE Bags | Send to TSDF facility |

| | | | | | | |
|---|---|---|---|---|---|---|
| 13 | Sludge from Wet Scrubbers | 37.1 | 15 | Sludge from Scrubber | HDPE Bags | Send to TSDF facility |
| 14 | Ash from Incinerator | 37.2 | 10.0 | Ash of Incinerator | HDPE Bags | Send to TSDF facility |

The Committee examined the water balance submitted by the promoter company. As per the said water balance, the total quantity of fresh water requirement is 590 KLD, out of which 270 KLD shall be met through recycled stream and remaining 320 KLD shall be met through ground water.

The total wastewater generation from the industry shall be 268 KLD, out of which Low TDS effluent generation shall be 170 KLD, washing effluent shall be 30 KLD, contaminate condensate @ 5 KLD, cooling water blow down @ 28 KLD and condensate from MEE shall be 35 KLD. The total waste water generation of 268 KLD shall be treated in the ETP of capacity 300 KLD. The remaining HTDS wastewater generation from process shall be 35 KLD & RO reject of ETP to the tune of 12 KLD shall be sent to Multiple Effect Evaporator (MEE) of 50 KLD capacity and slurry so formed shall be treated and residue will be sent to TSDF. Out of the total treated waste water generation of 268 KLD, 80 KLD shall be utilized for green area development and remaining shall be sent to RO for further treatment. Further, 18 KLD of domestic effluent shall be treated in the STP of 20 KLD capacity.

The total green area of 27114 sqm shall be developed within the industry, in which the total quantity of treated wastewater of 98 KLD generated during summer season shall be utilized and the remaining quantity of 51 KLD shall be met through stored water, whereas, in winter season the total quantity of treated wastewater of 48 KLD shall be utilized in the green area and the excess quantity of 50 KLD shall be reused in the process and in rainy season, the total quantity of treated wastewater of 14 KLD shall be utilized in the green area and the remaining quantity of 84 KLD shall be reused in the process. The Committee asked the project proponent to carry out the rainwater harvesting & collect the rain water in the tank and utilize the same for green area development in summer season.

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 the establishment of new API Bulk Drug Pharmaceutical manufacturing unit by "M/s Valance Labs Private Limited at Villlage Jansui & Gadomajra, Tehsil Rajpura, District Patiala Punjab, as per the other relevant details mentioned in the application proposal & subsequent presentation /clarifications made by the project proponent and his consultant subject to the following conditions as under:-

**Special Condition:**

i. The Project Proponent shall obtain permission/NOC from the concerned District Forest Officer to the effect that the project does not attract the provisions of Forest Conservation Act 1980 & Wild Life (Protection) Act 1972.

ii. The Project Proponent shall provide 15 ft wide green buffer towards the school side so as to avoid any nuisance.

iii. The Project Proponent shall explore the possibility of utilizing the paddy straw/ Piped Natural Gas instead of rice husk in the boiler of capacity 8 TPH.

iv. 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 sq.m of the total project area. The canopy trees shall also be planted around the parking area to provide shade to the parked vehicles.

v. 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.

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

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

**I. Statutory compliances**

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 is 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 abstraction 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/competent authority 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 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 wastewater must not exceed 268 KLD. Treated water shall be used for various industrial purposes. No liquid effluent will be discharged outside without 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 320 KLD. 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 from the at the bore well 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. Selection of plant species shall be as per the CPCB guide lines in consultation with the State Forest Department. Total 4065 trees to be planted without accounting the shrubs and protect the same with tree guard made of concrete.

**VIII. Transport**

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

ii) 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. 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. Fire fighting 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.

**X. 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.

**XI. Environment Management Plan**

i. The company shall have a well laid down environmental policy duly approve 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 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. Self-Environment Audit shall be conducted annually. Every three years third party environmental audit shall be carried out.

iv. Action plan for implementing EMP and environmental conditions along with 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 account and will not be diverted for any other purpose. The project proponent shall adhere to the commitments made in the Environment Management Plan and shall spend minimum amount of Rs. 780.65 lacs as a

Capital expenditure and Rs. 290.65 lacs per annum as recurring expenditure as proposed in the EMP as under:

| Sr. No. | Title | Capital Cost of EMP (in Lakhs) | Recurring Costof EMP (in lakhs/annum) |
|---|---|---|---|
| 1. | Air Pollution Control Devices | 130 | 25 |
| 2. | Water Pollution control | 350 | 65 |
| 3. | Solid and hazardous waste management | 65 | 100 |
| 4. | Water Pollution /Air pollution/ Noise Pollution Monitoring | 30 | 10 |
| 5. | Environment management & compliances of regulations | 25 | 10 |
| 6. | Occupational Health | 10 | 30 |
| 7. | Green belt | 40.65 | 40.65 (for 3 years) |
| 8. | Rainwater Harvesting | 50 | 10 |
| 9. | CER cost | 80.0 | |
| | **Total** | **780.65** | **290.65** |

The entire cost of the environmental management plan will be borne by the project proponent. Year-wise progress of implementation of action plan along with the Six-Monthly Compliance Report shall be submitted to Regional Office of MoEF&CC and SEIAA.

**XII 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 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.

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; $PM_{10}$, $S0_2$, 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 and submit a copy of the same to SEIAA.

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 same on website of the company.

x. The project proponent shall inform the Regional Office of the Ministry, PPCB and SEIAA, 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 EIA/EMP report, commitment made during Public Hearing and also those made to SEIAA / SEAC during their presentation.

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. Concealing factual data or submission of false/fabricated data may result in the revocation of this Environment Clearance and attract the provision of Environment Protection Act 1986.

xv. The Ministry may revoke or suspend the clearance, if implementation of any of the above condition is not satisfactory.

xvi. Ministry reserve the right to stipulate additional conditions, if found necessary. The company in a time bound manner shall implement these conditions.

xvii. The Regional Office of this Ministry MOEF&CC, and 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 of the Regional Office by furnishing the requisite data/ information/monitoring reports.

xviii. The above conditions shall be enforced, inter-alia under the provision of Water Act 1974, Air Act 1981, hazardous and other waste (Management & Transboundary Movement) Rules 2016 and the Public Liability Insurance Act 1991 along with their amendments and rules and any order passed by the Hon'ble Supreme Court of India/ High Courts and any other Court of Law relating to the subject matter.

xix. 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.

xx. Any appeal under again this Environment Clearance shall lie with the National Green Tribunal if preferred within a period of 30 days as prescribed under the section-16 of National Green Tribunal Act 2010.

**XIII. Additional Conditions proposed by SEAC/SEIAA**

i) The Environmental Clearance is granted to the project subject to the condition that industry shall obtain change of land use for the industrial purposes and submit a copy of the same to SEIAA. In case, CLU 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 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.

iv) 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.

v) 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.

vi) The project proponent shall practice rainwater harvesting outside the premises by adopting the village pond of village Mirzapur.

vii) 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.

**2.0 Deliberations during 201st meeting of SEIAA held on 22.02.2022.**

The case was considered by SEIAA in its 201st meeting held on 22.02.2022 which was attended by the following:

(i) Sh. Harsh Dev Goyal, Director and Sh. Rajiv Garg on behalf of the Project Proponent.

(ii) Sh. Sital Singh, EIA coordinator and Sh. Sandeep Singh, Environmental Advisor of M/s Chandigarh Pollution Testing Laboratory, E- 126, Phase-VII, Industrial Area, Mohali.

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

To a query by SEIAA, project proponent informed that 7 acres land has been registered in the name of the industry whereas the remaining land will be registered within 10 days for which they had consent of land owners. The process of the land registry has been delayed as the concerned Tehsildar was on the election duty.

SEIAA observed that no details had been provided in respect of the equipment to be installed under the “Utiliies” component of the Table of Details of Plant and Machinery and only vague remarks had been given that all these Equipments – including Fire Protection Equipment, Air Pollution Control System, Air Comperessor, Water, Oil, Solvent Storage Tank - would be procured as required. SEIAA further observed that satisfactory plan to deal with hazards and emergencies based on risk assessments had not been provided. Furthermore, a revised CER Plan of Rs 123 Lakhs (0.6% of Project cost) instead of the proposed Plan of Rs 80 Lakhs is required to be prepared. Project Proponent / their Environmental Consultant submitted that details of important equipment and systems such as Fire Protection system, detailed hazards and emergencies plan and revised CER Plan would be submitted within 10 days.

After deliberations, SEIAA decided to defer the case and asked the project proponent to submit the reply to the aforesaid observations. The case be placed before SEIAA after getting the reply from the project proponent.

**Item no. 201.06: Application for Environmental Clearance under EIA notification dated 14.09.2006 for the establishment of group housing Project namely "Joy Grand" at Sector 88, SAS Nagar, (Punjab) by M/s Joy ERA, (SIA/PB/MIS/252178/2022).**

Background and salient features of the matter are as under:

The project proponent has filed an application for obtaining Environment Clearance under EIA Notification, 2006 for the establishment of group housing Project namely "Joy Grand" at Sector 88, SAS Nagar, (Punjab). The total land area of the project is 24,050.76 with proposed built-up area of 95,394 Sqm. The Project is covered under Activity 8(a) & Category 'B2' as per EIA notification-2006.

The project proponent submitted the Form I, 1A and other additional documents along with processing fee amounting to Rs. 1,90,788/- paid vide NEFT No. PSIBN2201536443 dated 15.01.2022, as verified by supporting staff SEIAA. The total cost of the project is Rs. 261.49 Cr.

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

PPCB was requested to send the latest construction status report of the project through e-mail on 20.01.2022. Punjab Pollution Control Board vide letter no. 1022 dated 04.02.2022 has sent the latest construction status report with details as under:

"The proposed site of the project was visited by officer of the Board on 20/1/2022 and the pointwise status report is as under:

1. The project site is in 5.94 acres. As per the site shown by the representative, no demarcation has been done and the site was vacant. No construction work/site development work has been started at the site. To the North west side of the site is another group housing site namely Horizon Belomond. To the east side is Purab Apartments Residential Plots.
2. As per the boundary limits site shown by the project proponent during the visit, there is no MAH industry/ cement plant/ grinding unit/ rice sheller/ saila plan/ stone crushing/ screening cum washing unit/ hot mix plant/ brick kiln within a radius of 500 m from the boundary of the proposed site of the project. No air polluting industries is located within a radius of 500m from the boundary 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 25/7/2008 as amended on 30/10/2009.
3. GMADA authorities has laid storm water drain and sewer in the sector-88, Mohali.

It is further intimated 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 under process."

**1.0 Deliberations during 214th meeting of SEAC held on 09.02.2022.**

The meeting was attended by the following:

1. Mr. Rohit Gambhir, CEO, on behalf of the Project Proponent.
2. Sh. Sital Singh, EIA coordinator, M/s Chandigarh Pollution Testing Laboratory, E- 126, Phase-VII, Industrial Area, Mohali.

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

| Sr. no. | Item | Details |
|---|---|---|
| 1. | Name and Location of the project | "Joy Grand" located at Sector 88, SAS Nagar, Punjab to be developed by M/s Joy ERA |
| 2. | Project/activity covered under item of scheduled to the EIA Notification,<br>14.09.2006 | 8 (a) |
| 3. | If the project involves diversion of forest land. If yes,<br>a) Extent of the forest land.<br>b) Status of the forest clearance. | No land area is covered under the Forest Conservation Act 1980. An undertaking in this regard has been submitted |
| 4. | a) Is the project covered under PLPA,1900, if No<br>but located near to PLPA area then the | No, land area is covered under the Wildlife (Protection)Act 1972. An undertaking in this regard has been submitted. |

| | | |
|---|---|---|
| | project proponent is required to submit NOC from the concerned DFO to the effect that project area does not fall under the provision of PLPA Act, 1900.<br><br>b) Is the project covered under PLPA, 1900, if yes then Status of the NOC w.r.t PLPA,1900. | |
| 5. | If the project falls within 10 km of ecosensitive area/ National Park/Wild Life Sanctuary. If yes,<br><br>a) Name of ecosensitive area/ National Park/Wild Life Sanctuary and distance from the project site.<br><br>b) Status of clearance from National Board for Wild Life (NBWL) | No, there is no eco-sensitive area involved in the project or falls in 10 Km from the project.<br><br>No<br><br>No |
| 6. | Classification/Land use pattern as per Master Plan | GMADA vide letter no. EO/2021/88013 dated 08.11.2021 allotted the site measuring 24391.57 sq.m falling in Sector-88 to M/s Joy Era through Gurpreet Singh for development of group housing project. |

| | | |
|---|---|---|
| 7. | Cost of the project | 261.49 Cr inclusive of the cost of the land as Rs 132.49 Crore and cost of Building as Rs 129 Crore. |

8. Total Plot area, Built up Area and Green area and other details

The details of the land area, build up area and green area are mentioned as under:

| **Description** | **Area** |
|---|---|
| Land (sqm) | 24,050.76 |
| Built-up area (sqm) | 95,394 |
| Green area (sqm) | 6423 |

The project proponent proposed to construct 10 no. of blocks wherein, total no. of 366 flats, 28 shops and one club are to be constructed. The details are as under:

| **Sr. No** | **Description** | **No of blocks** | **No of floors** | **Tower** | **Configuration** | **No. of Flats** |
|---|---|---|---|---|---|---|
| 1 | Residential | 8 (comprising of Block-A, B &C) | BlockA→ | A1 (4BHK) | S+26 | 52 |
| | | | | A2 (4BHK) | S+25 | 50 |
| | | | | A3 (3 BHK+ 1) | S+26 | 52 |
| | | | Block-B→ | B1 (3BHK+1) | S+18 | 36 |
| | | | | B2 (3 BHK+1) | S+19 | 38 |
| | | | | B3 (3BHK+1) | S+18 | 36 |
| | | | Block-C→ | C1 (4BHK+1) | S+26 | 52 |
| | | | | C2 (4 BHK+1) | S+25 | 50 |
| 2 | Club | 1 | | | | |

| | | | | | | |
|---|---|---|---|---|---|---|
| 3 | Commercial | 1 | 28 shops shall be constructed under the commercial block. | | | |
| **Total=366 Flats, 28 Shops & 1 Club house.** | | | | | | |

9. Population (when fully operational)

| **Description** | **Units** | **Population** |
|---|---|---|
| Flats | 366 @ 5 persons/Flat | 1830 |
| Shops | 28 @ 2 persons/ Shop | 56 |
| Total | | 1886 |

10. Water Requirements & source in Construction Phase

| **Description** | **Units** | **Water Requirement (KLD)** |
|---|---|---|
| Flats | 1830 persons @ 135 lpcd | 247 |
| Shops | 56 persons @ 45 lpcd | 3 |
| Domestic Water requirement | | 250 |
| Green Area | 6423 sqm | 35 |

11. Break up of Water Requirements & source in Operation Phase (Summer, Rainy, Winter):

| **S No.** | **Season** | **Total Water Requirement (KLD)** | **Fresh water (KLD)** | **Flushing (KLD)** | **Green Area (KLD)** |
|---|---|---|---|---|---|
| 1 | Summer | 250 | 168 | 82 | 35 |
| 2 | Winter | 250 | 168 | 82 | 11 |
| 3 | Rainy | 250 | 168 | 82 | 3 |

12. Source of Water — GMADA vide allotment letter dated 08.11.2021 incorporated one general condition to the effect that the domestic water connection and tertiary treated effluent shall be provided to the allottee for use in flushing and gardening purposes.

<table>
<tr><td>13.</td><td>Treatment & Disposal arrangements of waste water in Construction Phase</td><td>STP of capacity 275 KLD which shall be based on SBR technology shall be installed.</td></tr>
<tr><td>14.</td><td colspan="2">Disposal Arrangement of Waste water in Operation Phase<br><br>
<table>
<tr><th>S No.</th><th>Season</th><th>Total Waste Water Generation (KLD)</th><th>Flushing (KLD)</th><th>Green Area (KLD)</th><th>Sewer if any (KLD)</th></tr>
<tr><td>1</td><td>Summer</td><td>200</td><td>82</td><td>35</td><td>83</td></tr>
<tr><td>2</td><td>Winter</td><td>200</td><td>82</td><td>11</td><td>107</td></tr>
<tr><td>3</td><td>Rainy</td><td>200</td><td>82</td><td>3</td><td>115</td></tr>
</table>
GMADA vide allotment letter dated 08.11.2021 incorporated one general condition to the effect that the Project is entitled for sewer & storm water connection in the main sewer & storm network developed by GMADA.</td></tr>
<tr><td>15.</td><td>Rain water harvesting and groundwater recharging detail</td><td>10570 m3/year rain water will be collected through 7 No. RWH Pits. The collected rain water shall enable for recharging the groundwater.</td></tr>
<tr><td>16.</td><td>Solid waste generation and its disposal</td><td>
<table>
<tr><th>Description</th><th>Total after expansion</th><th>MSW (Kg/day)</th></tr>
<tr><td>Flats (366)</td><td>1830 persons @ 0.4 kg/person</td><td>732</td></tr>
<tr><td>Shops (28)</td><td>56 persons @ 0.2 kg/person</td><td>11</td></tr>
<tr><td colspan="2">Total</td><td>743</td></tr>
</table>
Solid waste will be appropriately segregated (at source. by providing bins) into Recyclable, Bio-degradable Components, and Non- Biodegradable. Mechanical Composter of capacity 200 kg/day for Biodegradable Waste will be installed.</td></tr>
<tr><td>17.</td><td>Hazardous Waste & E-Waste</td><td>1) 50-100 Ltr/annum.</td></tr>
</table>

<table>
<tr><td></td><td></td><td>Used oil from DG sets will be sold to registered recyclers and E-waste will be disposed of as per the E-waste (Management) Amendment Rules, 2018</td></tr>
<tr><td>18.</td><td>Energy Requirements & Saving</td><td>
<table>
<tr><th>Description</th><th>Total</th></tr>
<tr><td>Power load (KW)</td><td>2000</td></tr>
<tr><td>D.G Sets (KVA)</td><td>500x2,240x1 and 125x2</td></tr>
</table>
</td></tr>
<tr><td>19.</td><td>Details of green belt development shall include following:<br>b) No. of tree to be planted against the requisite norms.<br><br>b) Percentage of the area to be developed.</td><td>a. No. of trees required = 1 Tree per 225 sq. m. of built up area<br>= 95,394 /225= 422 Trees<br>No. of trees proposed =422 trees<br><br>b. Green Area proposed = 6423 sqm</td></tr>
<tr><td>20.</td><td>Environment Management Plan along with Budgetary break up phase wise and responsibility to implement</td><td>
<table>
<tr><th>Sr. no</th><th>Description</th><th>Capital Cost (Rs. in Lacs)</th><th>Recurring cost (Rs. in Lacs)</th></tr>
<tr><td colspan="4">Construction Phase</td></tr>
<tr><td>1.</td><td>Medical Cum First Aid</td><td>0.5</td><td>1.0</td></tr>
<tr><td>2.</td><td>Toilets for Sanitation System</td><td>3.0</td><td>1.0</td></tr>
<tr><td>3.</td><td>Wind breaking curtains</td><td>13.0</td><td>5.0</td></tr>
<tr><td>4.</td><td>Sprinklers for suppression of dust</td><td>3.0</td><td>2.0</td></tr>
</table>
</td></tr>
</table>

| | | | | | |
|---|---|---|---|---|---|
| | | 5. | Sewage Treatment Plant | 90 | -- |
| | | 6. | Solid Waste Segregation & Disposal | 15 | -- |
| | | 7. | Green Belt including grass coverage | 30 | -- |
| | | 8. | RWHP | 13 | -- |
| | | 9. | Ambient Air Monitoring (Every Month) | -- | 3.0 |
| | | 10. | Drinking Water (Every Month) | -- | 2.4 |
| | | 11. | Noise Level Monitoring (Every Month) | -- | 0.5 |
| | | | **Total** | **167.5** | **14.9** |
| | | **Operation Phase** | | | |
| | | 1. | Sewage Treatment Plant | -- | 4.5 |
| | | 2. | Solid Waste segregation & Disposal | -- | 4.0 |
| | | 3. | Green Belt including grass coverage | -- | 8.0 |
| | | 4. | RWHP | -- | 2.0 |
| | | 5. | Ambient Air Monitoring (Every 3 Months) | -- | 3.0 |
| | | 6. | Drinking Water (Every Month) | -- | 2.4 |

| | | | | | |
|---|---|---|---|---|---|
| | | 7. | Noise Level Monitoring (Every 3 Months) | -- | 0.5 |
| | | 8. | Treated Effluent Monitoring (6 Months) | -- | 1.0 |
| | | **Total** | | -- | **25.4** |

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 recommendations to grant Environmental Clearance for the establishment of group housing Project namely "Joy Grand" at Sector 88, SAS Nagar, (Punjab) in the total land area of 24,050.76 with proposed built-up area of 95,394 Sqm, as per the details mentioned in the application proposal & subsequent presentation /clarifications made by the project proponent and his consultant subject to the following special condition along with other standard conditions: -

**Special Condition:**

i. 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 sq.m of the total project area. 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.

**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 due to earthquakes, 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 lndia 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 water requirement for the project shall be 250 KL/day out of which the total fresh water of 168 KLD shall be utilized for domestic and remaining 4.2 KLD shall be utilized to meet with horticulture demand. 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 200 KL/day, which will be treated in STP within the project premises. Out of 200 KLD of the wastewater, 82 KLD shall be utilized for flushing purpose and following mentioned quantity shall be utilized in the green area and discharged into sewer, the details are as under:

| Sr. No. | Season | Green Area (KLD) | Discharged into sewer (KLD) |
|---|---|---|---|
| 1. | Summer | 35 | 83 |
| 2. | Winter | 11 | 107 |
| 3. | Monsoon | 3 | 115 |

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 and for developing the plantation/green area.

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

xi) The project proponent shall also adopt the new/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.

xii) 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 case of individual houses/establishment this proposal may also be implemented wherever possible. | White |
| e) | Treated wastewater (for reuse only for plantation purposes) from the septic tank treating black water | Green |
| f) | Storm water | Orange |

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

xiv) 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, 7 no. rain water harvesting 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.

xv) All recharge should be limited to shallow aquifer.

xvi) 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.

xvii) 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.

xviii) 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 along with six monthly Monitoring reports.

xix) Sewage shall be treated in the septic tank. The treated effluent from septic tank shall be reused for gardening. No treated water shall be disposed of into the municipal storm water drain.

xx) No sewage or untreated effluent water would be discharged through storm water drains. Treated waste water shall be reused on-site for landscape, other end-uses. Excess treated water shall be discharged as per statutory norms notified by the Ministry of Environment, Forest and Climate Change. Natural treatment systems shall be promoted.

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

xxii) 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 residential area/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 neighboring 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) Organic waste compost/ Vermiculture pit/ Organic Waste Converter within the premises with a minimum capacity of 200 Kg/day must be installed for treatment and disposal of the waste.

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

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

vii) Use of environment friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction material quantity. These include Fly Ash bricks, hollow bricks, AACs, Fly Ash Lime Gypsum blocks, Compressed earth blocks, and other 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 422 trees (@1 tree/225 Sqm of Total built up Area) 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, septic tank, 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. 167.5 Lacs towards the capital cost and Rs. 14.9 Lacs/annum towards recurring cost in the construction phase of the project including the environmental monitoring cost and shall spend the minimum amount of Rs. 25.4 Lacs/annum towards the recurring cost in operation phase of the project including the environmental monitoring cost as per the details given as under

| **Sr. no** | **Description** | **Capital Cost (Rs. in Lacs)** | **Recurring cost (Rs. in Lacs)** |
|---|---|---|---|
| **Construction Phase** | | | |
| 1. | Medical Cum First Aid | 0.5 | 1.0 |
| 2. | Toilets for Sanitation System | 3.0 | 1.0 |
| 3. | Wind breaking curtains | 13.0 | 5.0 |
| 4. | Sprinklers for suppression of dust | 3.0 | 2.0 |
| 5. | Sewage Treatment Plant | 90 | -- |
| 6. | Solid Waste Segregation & Disposal | 15 | -- |
| 7. | Green Belt including grass coverage | 30 | -- |
| 8. | RWHP | 13 | -- |
| 9. | Ambient Air Monitoring (Every Month) | -- | 3.0 |
| 10. | Drinking Water (Every Month) | -- | 2.4 |
| 11. | Noise Level Monitoring (Every Month) | -- | 0.5 |

| | | | |
|---|---|---|---|
| | **Total** | **167.5** | **14.9** |
| **Operation Phase** | | | |
| 1. | Sewage Treatment Plant | -- | 4.5 |
| 2. | Solid Waste segregation & Disposal | -- | 4.0 |
| 3. | Green Belt including grass coverage | -- | 8.0 |
| 4. | RWHP | -- | 2.0 |
| 5. | Ambient Air Monitoring (Every 3 Months) | -- | 3.0 |
| 6. | Drinking Water (Every Month) | -- | 2.4 |
| 7. | Noise Level Monitoring (Every 3 Months) | -- | 0.5 |
| 8. | Treated Effluent Monitoring (6 Months) | -- | 1.0 |
| **Total** | | **--** | **25.4** |

The entire cost of the environmental management plan will be borne by the project proponent. Year-wise progress of implementation of action plan along with the Six-Monthly Compliance Report shall be submitted to Regional Office of MoEF&CC and SEIAA.

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

ii) The Project Proponent shall obtain Stage-1 approval for diversion of Forest land under the provision of Forest Act 1980 from the Competent Authority and submit the same within the six months. Failure to submit the clearance within 6 months will result in automatic revocation of the EC without any further notice to the Project Proponent.

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

iv) 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.

**2.0 Deliberations during 201st meeting of SEIAA held on 22.02.2022**

The case was considered by SEIAA in its 201st meeting which was attended by the following:

(i) Mr. Rohit Gambhir, CEO, on behalf of the Project Proponent.

(ii) Sh. Sital Singh, EIA coordinator and Sh. Sandeep Singh from M/s Chandigarh Pollution Testing Laboratory, E- 126, Phase-VII, Industrial Area, Mohali.

SEIAA perused the visit report sent by Punjab Pollution Control Board vide letter no. 1022 dated 04.02.2022 which states that the STP installed by the GMADA authorities is not adequate to cater to the quantity of additional effluent of the project. However, the upgradation of existing STP installed by GMADA authorities is under process.

In this regard, to a query by SEIAA, project proponent informed that they had been allotted the plot having area 5.943 acres from GMADA vide memo no 88013 dated 08.11.2021 and they are entitled for the sewer and storm water connection in the main sewer and storm network developed by the GMADA. Their project will take about 4-5 years for completion. In case GMADA failed to upgrade the exisiting STP by the completion of the project, no occupancy shall be allowed by them. SEIAA noted that several other Projects were in the pipeline with similar issue regarding inadequate capacity of the STP installed by GMADA to cater to the effluent loads of the upcoming projects. It was, therefore, decided that this important matter be taken up at appropriate level with GMADA and resolved expeditiously.

Thereafter SEIAA allowed the project proponent to present the case and also decided that GMADA be asked to provide the status of the installation/ upgradation of the existing STP of Sector-88, Mohali.

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

During discussions, the representative of the promoter company agreed to fully comply with all the conditions proposed by SEAC as also undertake additional CER activities of Rs 156 lacs (0.6% of Project Cost) for which the detailed plan would be submitted within 02 months' time.

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

After detailed deliberations, SEIAA decided to accept the recommendations of SEAC and grant Environmental Clearance for the establishment of group housing Project namely "Joy Grand" having proposed built-up area of 95,394 Sqm in the total land area of 24,050.76 located at Sector 88, SAS Nagar, (Punjab), as per the details mentioned in the Form 1, 1A, EMP and subsequent presentation /clarifications made by the project proponent and his consultant with proposed measures and subject to conditions proposed by SEAC and additional conditions as under:

**Additional Conditions:**

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

(ii) Detailed CER Plan of Rs 156 Lacs (0.6% of Project cost) will be prepared and submitted for approval to SEIAA, within 02 months' time.

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

**Additional Condition no. iii) imposed by SEAC**

v) Additional condition no. iii) imposed by SEAC be deleted as no Forest land is involved in the project.

**Item No. 201.07: Application for Environment Clearance under EIA notification dated 14.09.2006 for new API Bulk Drug Pharmaceutical manufacturing unit by "M/s APIMJA Pharmaceutical Pvt., Ltd at Nangal Una Road, Tehsil- Nangal, District- Rupnagar, Punjab (Proposal No. SIA/PB/IND3/ 248119/2021).**

Background and salient features of the matter are as under:

The industry has proposed to establish new API Bulk Drug Pharmaceutical manufacturing unit at Nangal Una Road, Tehsil- Nangal, District- Rupnagar, Punjab. The proposed project aims to manufacture 6 products of APIs & Drug Intermediates.

The industry has taken the land measuring 5 acres on lease for 50 years from M/s Punjab Alkali & Chemical Limited (PACL), Naya Nangal for setting up of the unit. The Master Plan of Naya Nangal is yet not prepared, however, the land area of 82.34 acres was acquired by the State Govt. in the year 1982 for establishment of an industrial plant for carryout the manufacturing of caustic soda, liquid chlorine & hydrochloric acid under the name and style of PACL.

The total cost of project is 225 Cr. and the industry has also deposited the processing fee amounting to Rs. 22,50,000/- through UTR No. BKIDH21363771551 dated 29.12.2021 as verified by supporting staff SEIAA.

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

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

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

Since, the project has applied for obtaining Environmental Clearance on 04.12.2021, the project can be considered as B2 category project.

Furthermore, PPCB was requested to send the latest construction status report of the project through e-mail on 17.01.2022. Punjab Pollution Control Board vide letter no. 953 dated 02.02.2022 has sent the latest construction status report with details as under:

The site of the proposed project was visited by the officer of the Board on 24.01.2022 to verify the facts and sh. Ashwani Kumar, representative of the industry was contacted. The pointwise reply/comments of the Board, to the information sought is as under:

| Sr. No. | Points as desired by EE (SEIAA) | Comments |
|---|---|---|
| I. | Construction status of the proposal | The site of the proposed project was visited by the officer of the Board on 24.01.2022 and it was observed as under:<br>1. The proposed site is located in the Focal point of Naya Nangal, District Rupnagar.<br>2. GPS Coordinates of the site are 31.22.12.79" N.76.20 40.31 "E.<br>3. The site falls within the premises of M/s PACL which is a MAH Unit.<br>4. The Project Proponent has executed a lease agreement with M/s PACL.<br>5. No construction activity has been started at the site.<br>6. No machinery has currently been installed at site. |
| II. | Status of physical structures within 500 m radius of the site including the status of industries, if any | There is no major river/canal within 500 mtr of the proposed site; however , a storm water drain passes across the road at about 25 mtrs. The proposed unit is to be established within the MAH unit namely M/s PACL which is chlor-Alkali unit for which they have executed lease agreement. Further, other miscellaneous units, namely M/s Flow Tech (engaged in manufacturing of chlorinated paraffin wax), M/s Fashion Gauge (engaged in manufacturing of sweaters, T-shirts etcs) and M/s C.M Autos (a showroom cum service station of Maruti Suzuki) are operating in the focal point, which exist within 500 mtr of the proposed project. |
| III. | Whether the site meets with the prescribed criteria for setting up of such projects. | The industry has mentioned in his project proposal given in the link mentioned in the e-mail of SEIAA dated 17.01.2022 that the proposed unit is to be established within the premises of M/s PACL. There are no specific siting criteria for setting up of the pharmaceutical industry as per policy of the Board. Further, there is no industry, such as rice |

| | | |
|---|---|---|
| | | sheller/brick kiln/stone crusher/hot mix plant/ poultry farm/hotel etc. within 500 m from the proposed site, for which siting criteria has been framed by the Board.<br>**As the industry has been proposed to be set up in the focal point, therefore, the site is suitable.** |

**1.0 Deliberations during 214th meeting of SEAC held on 09.02.2022.**

The meeting was attended by the following:

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

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

| | | |
|---|---|---|
| 1. | Name of the project | **M/s APIMJA Pharmaceuticals Private Limited**<br>Nangal Una road, Tehsil- Nangal, District- Rupnagar, Punjab. |
| 2. | Online Proposal No. | SIA/PB/IND3/248119/2021 |
| 3. | Nature of project (EC for new project/EC for Expansion/ EC for existing & proposed project ) | Fresh EC |
| 4. | a) Category<br>b) Activity<br>(As per schedule appended to EIA Notification, 2006 as amended time to time) | **B2**<br>As per S.O. 2859(E) dated: 16.07.2021 "All proposals for projects or activities in respect of Active Pharmaceutical Ingredients (API) received up to the 31stDecember 2021, shall be appraised as Category 'B2' Projects. |
| 5. | a. Whether the project falls in the critical polluted area notified by MoEF&CC/CPCB. (Yes/No)<br>b. If no and the proposed project site lies in the same | No<br>No |

<table>
<tr><td></td><td>or neighbouring district of critically polluted area, then details the distance of project site from the boundary of critically polluted area verified by the regional office of SPCB. (Submitted/Not submitted)</td><td></td></tr>
<tr><td>6.</td><td>a. Project area involves forest land, (Yes/No),<br>If yes, then details of the the extent of area involved and copy of permission & approval for the use of forest land<br>b. Project area involves land under PLPA (Yes/No),<br>If yes, then details of the the extent of area involved and copy of permission & approval for the use of PLPA land<br>c. Project area involves Wild Life Area, (Yes/No),<br>If yes, then details of the extent of area involved and copy of permission & approval under Wild Life (Protection) Act 1972 for the use of said land.</td><td>No, an undertaking to the effect that the no land area of the project is involved under the Forest Conservation Act 1980 or PLPA Act 1900 and Wildlife (Protection) Act 1972 submitted.</td></tr>
<tr><td>7.</td><td>a. Total Project Cost (In Crores) :<br>b. Total project cost breakup at current price level duly certified by Chartered Engineer/ Approved valuer or Chartered Accountant</td><td>a. Total Project Cost (In Crores) : Rs. 225 Crores<br>b. Total project cost breakup is following:
<table>
<tr><th>Sr. No.</th><th>Description</th><th>Project Cost (Rs. in Crores)</th></tr>
<tr><td>1.</td><td>Land</td><td>Land taken on lease from M/s PACL</td></tr>
</table>
</td></tr>
</table>

<table>
<tr><td></td><td></td><td>
<table>
<tr><td>2.</td><td>Civil</td><td>30</td></tr>
<tr><td>3.</td><td>Mechanical Equipment</td><td>100</td></tr>
<tr><td>4.</td><td>Utility</td><td>75</td></tr>
<tr><td>5.</td><td>EMS</td><td>10</td></tr>
<tr><td>6.</td><td>Infrastructure</td><td>10</td></tr>
<tr><td colspan="2">Total</td><td>Rs. 225 crores</td></tr>
</table>
</td></tr>
<tr><td>8.</td><td>Plot Area Details</td><td>Total Area – 5.0 Acres or 20,0000 Sqm
<table>
<tr><th colspan="3">Land distribution</th></tr>
<tr><th>Sr. no.</th><th>Particulars</th><th>Area in square meter.</th></tr>
<tr><td>1.</td><td>Covered area</td><td>6906</td></tr>
<tr><td>2.</td><td>Passage area</td><td>2578</td></tr>
<tr><td>3.</td><td>Hazardous Waste area</td><td>37</td></tr>
<tr><td>4.</td><td>Parking area</td><td>200</td></tr>
<tr><td>5.</td><td>Open area</td><td>3679</td></tr>
<tr><td>6.</td><td>Green belt area</td><td>6600</td></tr>
<tr><td></td><td>Total area</td><td>20,000</td></tr>
</table>
</td></tr>
<tr><td>9.</td><td>a. Details of land area<br><br>b. Type of project land as per master plan (Industrial/Agriculture/Any other),<br><br>c. If non industrial land then the details of Land Use Certificate / permissibility Certificate from Competent Authority (DTP/CTP) intimating land use pattern of the project site as per proposals of</td><td>a) The industry has taken the land measuring 5 acres on lease for 50 years from M/s Punjab Alkali & Chemical Limited (PACL), Naya Nangal for setting up of the unit.<br><br>b) The Master Plan of Naya Nangal is yet not prepared, however, the land area of 82.34 acres was acquired by the State Govt. in the year 1982 for establishment of an industrial plant for carryout the manufacturing of caustic soda, liquid chlorine & hydrochloric acid under the name and style of PACL. The industry has submitted the Memorandum of Understanding executed between M/s APIMJA Pharmaceutical Pvt. Ltd., and M/s Punjab Alkalies & Chemicals Limited for the total land area of 5 acres, wherein it has been mentioned that M/s PACL shall provide land area of 5</td></tr>
</table>

<table>
<tr><td></td><td>Master Plan of the area. (Submitted/Not Submitted)</td><td>acres to M/s APIMJA for 50 years for total lease amount of Rs. 1 lac/acre/annum.</td></tr>
<tr><td>10.</td><td>Whether any litigation pending against the project or any direction/order passed by SPCB/ Court of Law against the project, if so, details there of shall also be included.</td><td>No litigation is pending, an undertaking in this regard submitted by the Project Proponent.</td></tr>
<tr><td>11.</td><td>Raw material details</td><td>Details of the Raw Material attached as Annexure-1.</td></tr>
<tr><td>12.</td><td colspan="2">Production Capacity details:
<table>
<tr><th>Sr No</th><th>Name of Product</th><th>Category</th><th>Qty (Kg/annum)</th></tr>
<tr><td>1</td><td>LIPOIC ACID</td><td>API</td><td>2,00,000</td></tr>
<tr><td>2</td><td>KETOPROFEN</td><td>API</td><td>2,00,000</td></tr>
<tr><td>3</td><td>3-Isobutyl GABA</td><td>API</td><td>36,000</td></tr>
<tr><td>4</td><td>Valsartan</td><td>API Intermediate</td><td>11,40,000</td></tr>
<tr><td>5</td><td>Divon</td><td>API Intermediate</td><td>5,75,000</td></tr>
<tr><td>6</td><td>Rebamipide</td><td>API</td><td>1,00,000</td></tr>
<tr><td colspan="2">ANNUAL QTY</td><td></td><td>22,51,000</td></tr>
</table></td></tr>
<tr><td>13.</td><td colspan="2">Details of major productive machinery and utilities are mentioned below in table no. 1 & 2.<br>Table no. 1- Major productive machinery
<table>
<tr><th>Sr. No.</th><th>Mech Equipment’s</th><th>MOC</th><th>Capacity</th><th>UOM</th><th>Qty</th></tr>
<tr><td>1.</td><td>Reactors</td><td>MS Glass Lined</td><td>10 KL</td><td>No</td><td>20</td></tr>
<tr><td>2.</td><td>Reactors</td><td>MS Glass Lined</td><td>5 KL</td><td>No</td><td>20</td></tr>
<tr><td>3.</td><td>Reactors</td><td>MS Glass Lined</td><td>3 KL</td><td>No</td><td>20</td></tr>
</table></td></tr>
</table>

| | | | | | |
|---|---|---|---|---|---|
| 4. | Reactors | SS316 | 10 KL | No | 20 |
| 5. | Reactors | SS316 | 5 KL | No | 20 |
| 6. | Reactors | SS316 | 3 KL | No | 20 |
| 7. | Centrifuge & allied systems | SS316 | 60” | No | 40 |
| 8. | Agitated Netuch Filter | SS316 | Various Sizes | No | 10 |
| 9. | Dyers | SS316 | 48 Trays | No | 24 |
| 10. | Pumping System | | | No | 16 |
| 11. | Tanks & Systems | | | Lot | 1 |
| 12. | Utilities & its accessories | | | Lot | 1 |
| Equipment sizing & numbers may vary depending upon detailed engineering working at the time of project implementation. | | | | | |

Table no. 2- Utilities

| **Sr. No.** | **Name of Equipment** | **Quantity** | **Capacity** |
|---|---|---|---|
| 1 | Boiler | 2 Nos | 5 TPH each |
| 2 | Cooling Tower | 5 Nos | 250 TR each |
| 3 | Cooling Tower | 5 Nos | 400 TR each |
| 4 | Chilling Unit | 4 Nos | 200 TR each |
| 5 | RO Plant | 1.No | 200 KLD |
| 6 | MEE | 1 Nos | 90 KLD |

| | | | |
|---|---|---|---|
| 7 | ETP | 1 Nos | 200 KLD |
| 8 | Agitated Thin Film Drier | 1 Nos | 500 Kg/hr |

14. **Details of Emissions:**

1. The industry has proposed to install 2 No. of boiler of capacity 5TPH each, which shall use briquettes/wood as fuel.
2. The flue gases generated from the 2 No. of boilers of capacity 5 TPH will contain SPM only, as briquettes/wood will be used as fuel only. The details pertaining to load of particular matter (PM) are as under:

| **Pollution load particulars** | **Total Pollution load** |
|---|---|
| PM | 159.25 kg/hr |

*There will be insignificant increase in the pollution load of SPM

3. The industry has proposed to install 8 No. of DG sets of capacity 650 KVA each. The details of the exhaust gas emission load are as under:

| **Capacity in KVA** | **Total Exhaust Gas Flue M3/sec** | **Emission of PM10 in gm/hr** | **Emission of CO in gm/hr** | **Emission of NOx + HC in gm/hr** |
|---|---|---|---|---|
| 650 KVA | 2.92 | 0.2 | 3.5 | 4 |

*There will be no significant increase in the Air Pollution load being generated from DG set.

4. During process there is likelihood of generation of acid-mist and to control the same column type scrubbers will be installed to control the acid mist emission. These APCDs shall be attached with stacks of adequate height. Further, from dispensing of raw material, there may be some fugitive emission and to control the same column type packed bed alkali scrubber shall be installed. This APCD shall be attached with a stack of 3 m height above roof level. The pollution load to be generated, is given as under:-

| **Source of Emission** | **Volume of fugitive Emission** | **SPM prescribed standards** | **Hydrocarbons Prescribed standards** | **SPM Pollution load.** | **Hydrocarbons Pollution load** |
|---|---|---|---|---|---|
| Dispensing of raw material | 500 $m^3$/hr | 150 mg/$Nm^3$ | 25 mg/$Nm^3$ | 0.075 kg/hr | 0.0125 kg/hr |

| | | | | | |
|---|---|---|---|---|---|
| Acid Mist | 500 $m^3$/hr | - | 35 mg/$Nm^3$ | - | 0.42 kg/hr |

* There will be no significant impact on the environment due to discharge of the above said pollutants.

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

| **Description** | **Cat. No.** | **UOM** | **Quantities** | **Mode of Disposal** |
|---|---|---|---|---|
| Used/Spent Oil | 5.1 | KL/Y | 7 | Authorized recyclers |
| Process Residue & Wastes | 28.1 | MT/Y | 3481 | Coprocessing / Incineration through PPCB authorized handlers |
| Spent Catalyst/Spent Carbon | 28.2 & 28.3 | MT/Y | 10 | Coprocessing / Incineration through PPCB authorized handlers |
| Off Specification Products/date expired products | 28.4 & 28.5 | MT/Y | 2.5 | Coprocessing / Incineration through PPCB authorized handlers |
| Spent Solvents | 28.6 | MT/Y | 4494 | Coprocessing / Incineration through PPCB authorized handlers |
| Discarded containers/barrels/Liners | 33.1 | Nos/Y | 20000 | Authorized recyclers |
| Discarded containers/barrels/Liners | 33.1 | MT/Y | 5 | Authorized recyclers |
| Chemicals Sludge from wastewater treatment | 35.3 | MT/Y | 2190 | TSDF facility |

| | | | | | |
|---|---|---|---|---|---|
| | Any Process or Distillation Residue | 36.1 | MT/Y | 1660 | Coprocessing / Incineration through PPCB authorized handlers |
| | Spent Carbon or Filter medium | 36.2 | MT/Y | 8.5 | Coprocessing / Incineration through PPCB authorized handlers |
| | Concentration or evaporation residue | 37.3 | MT/Y | 1500 | TSDF facility |

| | | | | | |
|---|---|---|---|---|---|
| 16. | Solid waste generation in Operation Phase: | **Sr. No.** | **Type of Solid Waste** | **Quantity (TPA)** | **Disposal Method** |
| | | 1. | Domestic Solid waste | 18 TPA | Bio Composting and the compost will be used in the plantation area. |
| | | 2. | Fuel Ash | 264 TPA (will be given to the brick kiln and to the farmers for using as soil conditioners) | Will be given to brick-kiln and to the farmers for using as soil conditioner. |
| 17. | Breakup of Water Requirements & its source in Operation Phase: | The industry shall get supply of water from PACL to meet the water requirements for the proposed project. The PACL is already getting- 5 cusec (12232.87 KLD) of surface water from river Sutlej and the present use of water by PACL is 11158 KLD, as such the PACL is in the position to supply the entire requirement of water for the proposed unit. Therefore, there is no need to obtain any permission for getting supply of water. | | | |

| **Sr. No.** | **Description** | **Fresh water requirement (Proposed) (KLD)** | **Source of Water** |
|---|---|---|---|

| | | | |
|---|---|---|---|
| 1 | Process water | 51 | Fresh water |
| 2 | Floor & Reactor Washings | 15 | Fresh water |
| 3 | Boiler feed | 70 | R.O. Permeate |
| 4 | Cooling Tower (makeup) | 77.6 | R.O. Permeate |
| 5. | Domestic | 25 | Fresh water |
| 6. | Green belt | 3.3 | Fresh water |
| **TOTAL** | | **241.9** | **Fresh water 94.3**<br>**Recycled water 147.6** |

| | | |
|---|---|---|
| 18. | Details of wastewater generation and its treatment | |

| **Waste water generation** | **Quantity (KLD)** | **Treatment facility** |
|---|---|---|
| Process Water | 52 | HTDS |
| Floors & Reactor Washings | 15 | LTDS |
| Boiler blow down | 25 | |
| Cooling Tower blow down | 20 | |
| Domestic effluent | 20 | |
| **Total quantity of Wastewater** | **132** | |

| | | |
|---|---|---|
| 19. | Rain Water utilization proposal during monsoons (Submitted/Not Submitted) | The fresh water demand will be met from surface water of Sutlej River being taken by M/s. PACL, therefore there will not be any abstraction of groundwater. Thus, the proposal for recharging to ground water has not been envisaged in the PFR. However, the industry has proposed to do rain water harvesting at their premises by collecting the rain water into a tank and then it will be utilized for green belt development or any other activity where the quality of said water will suit. A tank of 60KL will be constructed and the collected water will be reused in plantation. |
| 20. | Block wise details of no. of trees to be planted in proposed greenbelt area(1500 Trees to be planted @ 10000 Sqm area): | **Area allocation for green belt:** 33% i.e. 6600 $m^2$ of total area as per MoEF&CC stipulated norms will be developed as the green belt. A total of 990 trees need to be planted. Plantation will be done in year 2022-23. |

<table>
<tr><td>21.</td><td>EMP Budget details</td><td>EMP budget details:<br>Rs 92.5 as capital cost and Rs 18 lakhs as recurring cost.</td></tr>
<tr><td></td><td colspan="2">
<table>
<tr><th>Sr. No.</th><th>Title</th><th>Capital Cost of EMP (in Lakhs)</th><th>Recurring Costof EMP (in lakhs/annum)</th></tr>
<tr><td>1.</td><td>APCD</td><td>50.0</td><td>20.0</td></tr>
<tr><td>2.</td><td>Water Pollution Control</td><td>350.0</td><td>150.0</td></tr>
<tr><td>3.</td><td>Solid and Hazardous waste management</td><td>40.0</td><td>20.0</td></tr>
<tr><td>4.</td><td>Water Pollution/Air Pollution/ Noise Pollution monitoring</td><td>30.0</td><td>10.0</td></tr>
<tr><td>5.</td><td>Environment Management & compliances of regulations</td><td>25.0</td><td>10.0</td></tr>
<tr><td>6.</td><td>Occupational Health</td><td>10.0</td><td>30.0</td></tr>
<tr><td>7.</td><td>Green Belt Development</td><td>12</td><td>12<br>(for three years)</td></tr>
<tr><td>8.</td><td>CER cost</td><td colspan="2">1,12,50,000</td></tr>
<tr><td></td><td>Total</td><td>521</td><td>252</td></tr>
</table>
</td></tr>
<tr><td></td><td>Details of Environment Management Cell (EMC) responsible for implementation of EMP</td><td>The Administrative order of the company to deal with the Environmental issues is as under:<br>i. Managing Director<br>ii. Chief Executive Officer<br>iii. Factory Manager or Operation Manager<br>iv. EHS Head<br>v. Deputy Manager<br>vi. Officer Environment</td></tr>
</table>

**ANNEXURE-I**

**Raw Material Requirement for the Proposed Project (Products wise)**

| **3-ISOBUTYL GABA** | **Annual Qty (Kg)** |
|---|---|
| CMH. | 36,000 |
| NaOCl soln. (9.5 12% w/w) | 1,43,280 |
| NaOH | 27,360 |
| HCl | 66,600 |
| IPA | 1,83,960 |
| **VALSARTAN** | |
| 4-Methyl-2-cyanobiphenyl (OTBN) | 10,96,680 |
| Ethyl acetate | 34,42,800 |
| Sodium Bromate | 1,49,340 |
| 2,2-Azobisisobutyronitrile (AIBN) | 54,720 |
| MDC | 38,76,000 |
| Liquid Bromine | 5,26,680 |
| **DIVON** | |
| L-Valine | 2,99,000 |
| Methanol | 8,33,750 |
| Thionyl Chloride | 4,60,000 |
| Acetone | 9,54,500 |
| Potassium Carbonate | 6,67,000 |
| MDC | 28,92,250 |
| 4'-Bromomethyl-2-cyano biphenyl (BMC) | 4,37,000 |
| Hydrochloric Acid | 1,95,500 |
| Ethyl acetate | 27,65,750 |
| Nitrogen gas | 1,15,000 |
| **LIPOIC ACID** | |
| 6, 8-Dichloro ethyl caprylate | 4,00,000 |
| Sulphur powder | 56,000 |

| | |
|---|---|
| DI Water | 30,000 |
| Sodium Sulphide flakes (60%) | 2,46,000 |
| Tetra butyl ammonium bromide **(TBAB)** | 50,880 |
| Toluene | 18,96,600 |
| *Hyflow | 8,000 |
| Activated carbon | 8,000 |
| Cyclohexane | 22,56,200 |
| Sodium hydroxide flakes | 3,06,000 |
| Sulphuric acid | 1,62,000 |
| **KETOPROFEN** | |
| 3-(1-cyanoethyl) benzoic acid (CEBA) | 2,00,000 |
| Thionyl Chloride ($SOCl_2$) | 2,60,000 |
| Anhydrous Aluminum Chloride | 2,70,000 |
| Benzene | 8,70,000 |
| Methanol | 10,00,000 |
| Hydrochloric acid (Conc. HCl) | 6,00,000 |
| Sodium Hydroxide | 72,000 |
| Activated Carbon | 10,000 |
| Toluene | 3,44,000 |
| Hyflow | 4,000 |
| Cyclohexane | 40,000 |
| Ethyl acetate | 11,70,000 |
| **REBAMIPIDE** | |
| BMQ | 93,000 |
| DCB | 1,29,000 |
| Sodium ethoxide | 60,000 |
| Acetic acid | 1,30,000 |
| Ethanol | 7,90,000 |
| Potassium hydroxide | 72,000 |
| Methanol | 17,50,000 |

| | |
|---|---|
| Hydrochloric acid | 30,000 |
| Activated carbon | 8,000 |
| Hyflo | 2,000 |

The Committee examined the water balance submitted for the three seasons for summer, winter & rainy seasons. As per the water balance, the industry has proposed to take the fresh water @ 241.9 KLD from M/s PACL. Out of 241.9 KLD, 51 KLD shall be utilized into process, 15 KLD for washing, 25 KLD for domestic purposes, 77.6 KLD for cooling tower, 70 KLD in the boiler and 3.3 KLD for gardening purposes. The total wastewater generation shall be comprising of 52 KLD of High TDS Stream, 167.6 KLD Low TDS Stream (15 KLD washing + 20 KLD domestic + 20 KLD cooling tower blow down + 25 KLD boiler blow down + 69.6 KLD effluent condensate +18 KLD steam condensate). The RO reject of 21 KLD along with high TDS Steam of 52 KLD shall be treated in Multiple Effect Evaporator of 72 KLD capacity. The concentrate @ 2.4 KLD generated from the MEE shall be treated in ATFD and the residue so formed shall be sent to TSDF.

The entire quantity of 167.6 KLD Low TDS effluent shall be treated in the ETP of capacity 200 KLD and the treated wastewater shall be passed through RO. The RO reject shall be sent back to MEE for further treatment. The RO permeate shall be used as makeup water for boiler & cooling tower. The entire treatment is based on zero liquid discharge.

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 new API Bulk Drug Pharmaceutical manufacturing unit by "M/s APIMJA Pharmaceutical Pvt., Ltd at Nangal Una Road, Tehsil- Nangal, District- Rupnagar, Punjab, as per the other relevant details mentioned in the application proposal & subsequent presentation /clarifications made by the project proponent and his consultant subject to the following conditions as under:-

**Special Condition:**

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 provided that the number of trees to be planted should not be less than one tree per 80 sq.m of the total project area. 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 ETP for monitoring various environmental parameters.

**I. Statutory compliances**

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 is 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 abstraction 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/competent authority 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 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 wastewater must not exceed 52 KLD of High TDS Stream & 167.6 KLD of Low TDS Stream. Treated water shall be used for various industrial purposes. No liquid effluent will be discharged outside without 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 241.9 KLD. 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 from the at the bore well 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. Selection of plant species shall be as per the CPCB guide lines in consultation with the State Forest Department. Total 990 trees to be planted without accounting the shrubs and protect the same with tree guard made of concrete.

**VIII. Transport**

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

ii) 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. 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. Fire fighting 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.

**X. 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.

**XI. Environment Management Plan**

i. The company shall have a well laid down environmental policy duly approve 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 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 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 account and will not be diverted for any other purpose. The project proponent shall adhere to the commitments made in the Environment Management Plan and shall spend minimum amount of Rs. 521 lacs as a Capital expenditure and Rs. 252 lacs per annum as recurring expenditure as proposed in the EMP as under:

| **Sr. No.** | **Title** | **Capital Cost of EMP (in Lakhs)** | **Recurring Costof EMP (in lakhs/annum)** |
|---|---|---|---|
| 1. | APCD | 50.0 | 20.0 |
| 2. | Water Pollution Control | 350.0 | 150.0 |
| 3. | Solid and Hazardous waste management | 40.0 | 20.0 |
| 4. | Water Pollution/Air Pollution/ Noise Pollution monitoring | 30.0 | 10.0 |
| 5. | Environment Management & compliances of regulations | 25.0 | 10.0 |
| 6. | Occupational Health | 10.0 | 30.0 |
| 7. | Green Belt Development | 12 | 12 (for three years) |
| 8. | **CER cost** | **1,12,50,000** | |
| | **Total** | **521** | **252** |

The entire cost of the environmental management plan will be borne by the project proponent. Year-wise progress of implementation of action plan along with the Six-Monthly Compliance Report shall be submitted to Regional Office of MoEF&CC and SEIAA.

**XII 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 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.

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 have to publicly 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; $PM_{10}$, $S0_2$, 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 and submit a copy of the same to SEIAA.

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 same on website of the company.

x. The project proponent shall inform the Regional Office of the Ministry, PPCB and SEIAA, 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 EIA/EMP report, commitment made during Public Hearing and also those made to SEIAA / SEAC during their presentation.

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. Concealing factual data or submission of false/fabricated data may result in the revocation of this Environment Clearance and attract the provision of Environment Protection Act 1986.

xv. The Ministry may revoke or suspend the clearance, if implementation of any of the above condition is not satisfactory.

xvi. Ministry reserve the right to stipulate additional conditions, if found necessary. The company in a time bound manner shall implement these conditions.

xvii. The above conditions shall be enforced, inter-alia under the provision of Water Act 1974, Air Act 1981, hazardous and other waste (Management & Transboundary Movement) Rules 2016 and the Public Liability Insurance Act 1991 along with their amendments and rules and any order passed by the Hon’ble Supreme Court of India/ High Courts and any other Court of Law relating to the subject matter.

xviii. 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.

xix. Any appeal under again this Environment Clearance shall lie with the National Green Tribunal if preferred within a period of 30 days as prescribed under the section-16 of National Green Tribunal Act 2010.

xx. The Regional Office of this Ministry MOEF&CC, and 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 of the Regional Office by furnishing the requisite data/ information/monitoring reports.

xxi. 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 proposed by SEAC/SEIAA**

i) The Environmental Clearance is granted to the project subject to the condition that industry shall obtain change of land use for the industrial purposes and submit a copy of the same to SEIAA. In case, CLU 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 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.

iv) 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.

v) 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.

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.

**2.0 Deliberations during 201st meeting of SEIAA held on 22.02.2022.**

The case was considered by SEIAA in its 201st meeting held on 22.02.2022 which was attended by the following:

(i) Sh. R.K Verma, Manager, on behalf of Project Proponent.

(ii) Sh. Sital Singh, EIA coordinator and Sh. Sandeep Singh from M/s Chandigarh Pollution Testing Laboratory, E- 126, Phase-VII, Industrial Area, Mohali.

Before allowing the presentation to the Environmental Consultant, SEIAA observed that case is similar to item no. 201.05 of 201st meeting of SEIAA held on 22.02.2022 and case is represented by the same consultant i.e., Sh. Sital Singh, EIA coordinator and Sh. Sandeep Singh from M/s Chandigarh Pollution Testing Laboratory, Mohali.

To a query by SEIAA, Environmental Consultant sought some time to submit a separate chapter on Hazards / Emergencies Plan based on Risk Assessments, providing details of the major

equipments including Fire Detection and Control system and revised CER plan @ 0.6% of the total project cost.

After deliberations, SEIAA decided to accept the request of the project proponent and allowed the project proponent to submit the reply within 10 days. The case be placed before SEIAA after getting the reply from the project proponent.

**Item No. 201.08: Regarding quarterly progress report of implementation of the Remediation and Natural & Community Resource Augmentation plan w.r.t. Environmental Clearance of Group Housing Project namely "Homeland Heights" located at Site No. 5, Sector 70, S.A.S Nagar (Mohali), Punjab by M/s Homeland Buildwell Pvt. Ltd.**

**1.0 Background of the case:**

Earlier the case was considered in 193rd meeting of SEIAA held on 10.11.2021 wherein SEIAA decided to approve the revised Remediation and Natural & Community Resource Augmentation plan of Rs 40 Lakhs with following additional conditions to be imposed in the earlier granted EC:

**Additional Conditions:**

i) The project proponent shall submit the quarterly progress report of implementation of the above revised Remediation and Natural & Community Resource Augmentation plan of Rs 40 Lakhs on 14.02.2022 and then on 14.05.2022.

ii) The validity of the bank guarantee amounting to Rs 40 Lakhs shall be extended and submitted to Regional Office, Punjab Pollution Control Board, Mohali as an assurance to complete the activities to be implemented under the remediation plan and Natural and Community Resource Augmentation Plan one month before its expiry i.e. by 01.04.2022 and a copy of the receipt of the same will be submitted to SEIAA Punjab. The Bank Guarantee will be released by SEIAA after successful implementation of the activities prescribed and approved in the Remediation and Natural & Community Resource Augmentation plan on the recommendations of Regional Office, MoEF&CC, Chandigarh or SEIAA /SEAC Committee.

iii) This Environmental Clearance is liable to be revoked without any further notice to the Project Proponent in case of failure to comply with conditions (i), (ii) above.

**2.0 Compliance of the condition No. (i) of Additional Condition of EC.**

The project proponent vide letter dated 11.02.2022 has submitted compliance of the condition no. (i) mentioned above. A copy of the said letter was annexed as Annexure-A of the agenda.

**3.0 Deliberations during 201st meeting of SEIAA held on 22.02.2022.**

The case was considered by SEIAA in its 201st meeting held on 22.02.2022 which was attended by Sh. Narinder Vaid, Authorized Signatory on behalf of Project Proponent.

SEIAA perused the Annexure-A of the agenda and observed that an order of Rs. 5 lacs have been placed against the activity of Bio Toilets in the Government Primary School Building situated at Village Khizrabad Hatli Patti SAS Nagar (Mohali). However, no work has been started on ground against activities at S No's 1, 3 and 4 of the Table at Annexure A of the Agenda as the concerned Sarpanch has requested that work be started after elections. No work has also been commenced

regarding procurement of Solar Panels (Item No 2 of Table) and only quotations have been invited.

SEIAA observed that implementation of the Remediation Plan is unsatisfactory as no work has commenced on ground in respect of any of the components proposed under the plan. Since the elections are now over, SEIAA directed the project proponent to complete the proposed activities at the earliest, submit the quarterly compliance report to SEIAA and also submit extension in the validity of the Bank Guarantee of amount Rs. 40 lacs to the PPCB, failing which EC may be revoked without any further notice.

**Item No. 201.09: Complaint against M/s Innovative Housing & Infrastructure Pvt. Ltd. having their head office at PCL House, SCO-198, Opp. Sports Complex, Sector 7-C, Chandigarh for not securing wildlife clearance under wildlife (Protection) Act, 1972 and SEIAA not being the competent authority grant the Environmental Clearance to this project.**

Background of the matter are as under:

The complaint was received from Mr. Karan (Environmentalist) R/o #771, SF, Omaxe Cassia, New Chandigarh, Pin Code: 160055 (Mobile No. 95170-00572) on 05.08.2021, which has been addressed to the following:

1) The Prime Minister of India, South Block, Secretariat Building Raisina Hill, New Delhi,
2) The Secretary, Ministry of Environment, Forests & Climate Change, Government of India,
3) The Secretary, State Environment Impact Assessment Authority, Punjab,
4) The Principal Secretary, Department of Science, Technology & Environment, Punjab.

A copy of the said complaint was annexed as Annexure-1 of agenda of 187th meeting of SEIAA.

**1.0 Deliberations during 187th meeting of SEIAA held on 09.08.2021**

SEIAA was apprised that the complainant has filed complaint against M/S Innovative Housing & Infrastructure Pvt. Ltd. having their head office at PCL house, SCO-198, Opp. Sports Complex, Sector 7-C, Chandigarh for not securing wildlife clearance under Wildlife (Protection) Act, 1972 and SEIAA not being the competent authority to grant the environmental clearance to this project. In the said complaint, the following allegations have been made:

(i) The project site of M/s Innovative Housing and Infrastructure Pvt. Ltd. falls within 10 km of the protected areas notified under Wild Life (Protection) Act, 1972 i.e., Sukhna Wildlife Sanctuary and City Bird Sanctuary. According to the EIA Notifications, 2006, General Conditions attached with the Schedule, any category B project falling within 10 km of a protected area will have to be treated as a Category-A project for granting prior Environmental Clearance. Thus, the competent authority for the same is Central Government, MoEF&CC. SEIAA does not have the competency to grant Environmental Clearance in the case and it should thus be transferred to the MoEF&CC in accordance with the laws applicable.

(ii) The project site is located within 10 km of the Sukhna Wildlife Sanctuary; therefore, it also needs to procure wildlife clearance from the Standing Committee of National Board for Wildlife (NBWL) under the guideline no. 3.5.1 of 'Guidelines for Taking Non-Forestry Activities in 'Wildlife Habitats' dated 19.12.2012. The project proponent has not applied for the Wildlife Clearance to the MoEF&CC and thus, it should be directed to do the same.

(iii) The development works of the proposed project can be taken up only after getting validity of agreement extended from the competent authority, Environmental Clearance from the Ministry of Environment and Forest, Govt. of India and demarcation of site from Tehsildar Mohali/LAC GMADA and getting the coordinates verified from DTP Mohali.

(iv) The pre-requisites have not been fulfilled by the project proponent as of yet and not bothering about that the company has started development on their project area. The CA Certificate dated 16.01.2018 sufficiently proves the same for which a copy of CA Certificate was submitted.

To a query of SEIAA regarding issuance of Environmental Clearance, SEIAA was apprised that as per the record available with the office of SEIAA, an application for exemption of the Project from Environmental Clearance was received from M/s. Innovative Housing & Infrastructure Pvt. Ltd. (Mega Integrated Residential Township) at Village Togan and Teera, New Chandigarh, Kharar, Distt. SAS Nagar. The application was considered by SEIAA in its 179th meeting held on 12.04.2021 in which Environmental Consultant of the promoter company informed that the project proposal was granted Terms of Reference on 04.02.2021 by the MoEF&CC and that the application for obtaining Environmental Clearance will be submitted to SEIAA shortly. SEIAA observed that as the TORs have been approved by the MOEF&CC and the process of obtaining Environmental Clearance has been initiated by the Project Proponent their request to exempt their Project from obtaining Environmental Clearance has become infructuous.

After deliberations, SEIAA decided that application of the Project Proponent seeking exemption from obtaining EC be filed as it had become infructuous. Further, the Project Proponent be informed as above and be directed not to undertake any work or activity except securing of land prior to grant of requisite Environment Clearance.

In compliance with the aforesaid decision, application of the project Proponent seeking exemption from obtaining EC was filed and the project proponent was informed vide letter no 3986 dated 04.05.2021 not to undertake any work or activity except securing of land prior to grant of requisite Environment Clearance.

Besides above, while granting the Environmental Clearance under EIA Notification dated 14.09.2006 for establishment of affordable group housing project namely "The Address" in an area of 39659.19 sqm (9.8 acres) having built-up area 111480.72 sqm located at Village Togan, New Chandigarh, Distt. SAS Nagar (Mohali), Punjab developed by M/s. Address Infrastructures Pvt. Ltd. (Proposal no. SIA/PB/NCP/73658/2018), SEIAA in its 143rd meeting held on 07.02.2019 has imposed the following conditions:

(i) The project proponent of M/s Innovative Housing & Infrastructure (P) ltd. shall not sell land measuring area 6 acres which is reserved for utilization of the treated domestic waste water for plantation based on Karnal technology for which legally enforceable undertaking has been submitted by them and this land shall also not be used for any other purpose till an alternative arrangement like public sewer is available in the area and permission is granted by the competent authority to discharge the treated domestic effluent into their sewer.

(ii) The project proponent of M/s Innovative Housing & Infrastructure (P) ltd. shall be bound to obtain environment clearance if area of the main project namely PCL Gateway exceeds 50 hectares (123.553 acres) as required under the provisions of EIA notification 14.09.2006.

From above, SEIAA observed as under:

(i) M/s. Innovative Housing & Infrastructure Pvt. Ltd. (Mega Integrated Residential Township) at Village Togan and Teera, New Chandigarh, Kharar, Distt. SAS Nagar has not been granted the Environmental Clearance by SEIAA, Punjab. However, project proponent has obtained the Terms of Reference for this Project from the Ministry on 04.02.2021 as the SEIAA Punjab was not functioning in the period of 06.11.2020 to 02.02.2021.

(ii) Environmental Clearance has been granted to the project for establishment of affordable group housing project namely "The Address" in an area of 39659.19 sqm (9.8 acres) having built-up area 111480.72 sqm located at Village Togan, New Chandigarh, Distt. SAS Nagar (Mohali), Punjab developed by M/s. Address Infrastructures Pvt. Ltd. with special condition as mentioned above.

(iii) As alleged by the complainant, M/s. Innovative Housing & Infrastructure Pvt. Ltd. has started the development work of the project without obtaining the Environmental Clearance under the provision of EIA Notification 14.09.2006.

After deliberations, SEIAA decided as under:

(i) A copy of the complaint be sent to the Punjab Pollution Control Board with a request to send the detailed comments after site verification as to whether M/s. Innovative Housing & Infrastructure Pvt. Ltd. has started the development work of Area and Township Development project without obtaining the Environmental Clearance for which Terms of Reference have been issued by the Ministry on 04.02.2021 or not? The details of application and TORs issued by MoEF&CC, GoI to M/s. Innovative Housing & Infrastructure Pvt. Ltd. and EC issued by SEIAA, Punjab to M/s. Address Infrastructures Pvt. Ltd. be also sent to PPCB for considering the same while sending the detailed comments on the complaint.

(ii) The matter will be placed again before SEIAA after getting the report from the PPCB.

In compliance with the aforesaid decision, a copy of the complaint was sent vide letter no. 4703 dated 26.08.2021 to the Punjab Pollution Control Board with a request to send the detailed comments after site verification.

Another complaint in continuation to the previous complaint submitted by Sh. Karan Sethi R/o #771, SF Omaxe Cassia, New Chandigarh on 18.10.2021. A copy of the same was annexed as Annexure-4 of the agenda. In the complaint, it has been requested as under:

(i) The SEIAA may kindly direct the company to stop the construction of the project with immediate effect.

(ii) The SEIAA shall cancel the TOR issued to the Company for Deliberately Concealment of Facts in the Application for TOR.

(iii) The complaint shall be forwarded to MOEF, GMADA, PUDA, RERA for necessary actions against the company.

(iv) The company shall be penalized under relevant provisions for violation of the EIA Notification dated 14.09.2006 drafted under the Act.

(v) This Complaint and annexures thereof shall be considered as an additional evidence/complaint to his previous Complaint considered in the 187th Meeting of SEIAA held on 09.08.2021.

**2.0 Deliberations during 192nd meeting of SEIAA held on 01.11.2021.**

The case was considered by SEIAA in its 192nd meeting held on 01.11.2021. SEIAA was also apprised that Ministry of Environment, Forest and Climate Change, Govt. of India vide letter no. 704 dated 28.10.2021 has sent a copy of the representation of Shri Karan Sethi (Environmentalist) for the project M/s Innovative Housing & Infrastructure Pvt. Ltd. for taking further necessary action in the matter. The contents of the said complaint are very mostly similar to the complaint received directly from the complainant on 18.10.2021.

After detailed deliberations, SEIAA decided to forward copies of the complaints received from the Ministry as well as from the complainant to Punjab Pollution Control Board with a request to send the detailed comments after site verification and considering the first complaint sent vide this office letter no. 4703 dated 26.08.2021. It was also decided that copies of the complaints be also sent to the Project Proponent and reply sought within 15 days. The matter be placed again before SEIAA after getting the report from the PPCB.

In compliance with the aforesaid decision, the following action has been taken:

(i) Copies of the complaints received from the Ministry as well as from the complainant have been sent vide letter no. 4881 dated 25.11.2021 to Punjab Pollution Control Board with a request to send the detailed comments after site verification

(ii) Copies of the complaints received from the Ministry as well as from the complainant has been sent vide letter no. 4882 dated 25.11.2021 to M/s Innovative Housing & Infrastructure Pvt. Ltd.

No reply has been received from the Punjab Pollution Control Board as well as from M/s Innovative Housing & Infrastructure Pvt. Ltd. in reference to the aforesaid letter.

**3.0 Complaint dated 11.01.2022 and e-mail dated 14.01.2022.**

Further, another complaint dated 11.01.2022 (Annexure-3 of the agenda) regarding Violation of SEIAA Orders dated 04.05.2021 regarding not creating any third-party rights by M/s innovative housing and Infrastructure Pvt. Ltd. for their project namely PCL gateway has been received through e-mail on 12 .01.2022 and a copy of the same has also been received by post on 20.01.2022. The content of the said complaint is re-produced is as under:

“This is to intimate you that the above-mentioned Project Proponent has deliberately violated the Orders of SEIAA vide letter dated 04.05.2021 (copy attached) wherein the Project Proponent was specifically directed to not to undertake any work or activity except securing of

land prior to grant of requisite Environment Clearance. In contrast to the above said directions, the Developer has created third-party Rights in the said Project.

The Quarterly Updates of the Project from the year 2018 to the year 2021 uploaded on the RERA Website by the Developer himself which make it amply clear that the Project Proponent has developed the said Project and has even created third-party Rights by booking and selling the Plots which are clear in the quarterly updates which show that the Developer has booked and sold total of 259 plots in the Project.

Kindly take an instant and appropriate action against the developer and: -

a) Issue a public notice so that common public should not fall prey,

b) To direct the company to return the amount and maintain Status Quo Ante as it was at the date of issuance of the letter dated 04.05.2021,

c) Penalize the company for the grave and serious violations,

d) Call upon the list of all the Allottees mentioning the names, addresses, Mobile Numbers along with the Unit No.'s and the Area allotted along with the date of allotment, as the same will take off the veil from the fraud played by the Developer."

Sh. Karan Sethi, complainant vide e-mail dated 14.01.2022 (Annexure-4 of agenda) has sent an advance notice for filing a case against Environmental Engineer, SEIAA in the court of LOKPAL or LOKAYUKTA. The contents of the said notice is re-produced as under:

"Kindly provide us the information whether you fall under the jurisdiction of Lokayukta or Lokpal for the reason being that the there is a lapse of more than 6 months yet no action has been taken against the Complaints filed by the undersigned against M/s Innovative Housing and Infrastructure Pvt. Ltd. for their project PCL Gateway. The undersigned has time and again produced concrete proof that the Developer has done development in the said project without obtaining prior environmental clearance (EC) as obligated by EIA Notification, 2006.

That only paper formalities are being completed by your good office, but yet no action has been taken against the Developer with a lapse of 6 months, who indeed has even sold the plots and is selling the plots violating the Specific Orders of SEIAA, which is clearly demonstrated in the quarterly updates made by the Developer himself on the RERA Website and has collected hundreds of Crores of Rupees from innocent end-users."

**4.0 Deliberations during 199th meeting of SEIAA held on 25.01.2022.**

The case was considered by SEIAA in its 199th meeting held on 25.01.2022, which was attended by Sh. Karan Sethi (Environmentalist/Complainant) through online mode. A representation was submitted by him through Whatsup message, which was taken on record. During the meeting, complainant apprised SEIAA as under:

(i) The project proponent is bound to secure prior environmental clearance as per the decision taken by SEAC in its 197th meeting held on 15.03.2021.

(ii) The project proponent is developing the project and selling the plots even after directions issued by SEIAA for not undertaking any development works.

(iii) The NOC from PPCB has been obtained by the Project Proponent by misrepresenting the area of the project and not disclosing the fact that the project falls under the domain of EIA Notification, 2006.

(iv) The project proponent is blowing hot and cold in same breath.

(v) The Project proponent is guilty of deliberate concealment and misrepresenting of facts in the application of TOR in order to secure Environmental Clearance fraudulently.

SEIAA heard the complainant at length and provided full opportunity to him to substantiate all his allegations in the meeting. After carefully considering the oral submissions of the complainant and contents of his written complaints and detailed deliberations, SEIAA decided as under:

(i) Since no reply has been received from M/s Innovative Housing & Infrastructure Pvt. Ltd. in reference to the Letter No. 4882 dated 25.11.2021, a show cause notice be issued to the company u/s 5 of the Environment Protection Act, 1986 for submission of reply within 30 days. The Company be directed again not to undertake any action / development in contravention of EIA Notification, 2006, and other relevant laws.

(ii) A reminder be sent to Member Secretary, Punjab Pollution Control Board in reference to the SEIAA letter No. 4881 dated 25.11.2021 to expedite submission of their long pending enquiry report on the complaint.

(iii) Further action in the matter will be taken by SEIAA after receipt of enquiry report from PPCB and reply to show-cause notice from the Project Proponent

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

(i) Directions u/s 5 of the Environmental (Protection) Act, 1986 issued to the company vide letter no 5060-61 dated 14.02.2022 and also emailed on 14.02.202.

(ii) Show cause notice u/s 5 of the Environment Protection Act, 1986 has been issued to M/s Innovative Housing & Infrastructure Pvt. Ltd. vide letter no. 5062 dated 14.02.2022 and also emailed on 14.02.2022

(iv) A reminder has been sent to Member Secretary, Punjab Pollution Control Board vide letter no. 5061 dated 14.02.2022 in reference to the SEIAA letter No. 4881 dated 25.11.2021 to expedite submission of their long pending enquiry report on the complaint.

**5.0 New Facts**

**5.1 A letter received from Sh. Karan Sethi (Complainant) on 02.02.2022**

It is submitted that a letter (Annexure-B) from Sh. Karan Sethi (Complainant) received on 02.02.2022 addressed to Environmental Engineer, SEIAA wherein it was informed that M/s

Innovative Housing and Infrastructure Pvt. Ltd. is deliberately concealing the information of various departments from the Statutory Bodies like SEIAA and SEAC and for this reason, so as to unearth the whole scam, it is advised to seek information in the shape of the letters (Copies enclosed as Annexure-B, C, D & E). This is very much required in the peculiar facts and circumstances of the present case and is also material so as to come to a deliberate conclusion, which is the need of the hour.

**5.2 PPCB letter no. 610 dated 20.01.2022 received on 31.01.2022**

Senior Environmental Engineer, ZO-1, PPCB, Patiala vide letter dated 610 dated 20.01.2020 has send the reply in reference to the SEIAA letter dated 4703 dated 26.08.2021 regarding the complaint against Mega Integrated Residential Township located at Vill. Togan and Teera, New Chandigarh, Tehsil Majri, Distt. SAS Nagar developed by M/s Innovative & Infrastructure Pvt. Ltd. A copy of the said letter is Annexure-F for kind perusal please.

**2.0 Deliberations during 201st meeting of SEIAA held on 22.02.2022.**

The case was considered by SEIAA in its 201st meeting held on 22.02.2022 which was attended by Sh. Mohammad Rashid, Assistant Architect on behalf of M/s Innovative & Infrastructure Pvt. Ltd. and Sh. Karan Sethi, Environmentalist/Complainant.

To a query by SEIAA, Sh. Mohammad Rashid, Assistant Architect informed that they had received the show cause notice issued by SEIAA vide letter no. 5062 dated 14.02.2022 which provided 30 days time to file their reply. He informed that the reply to the said notice is being prepared and will be submitted within the time provided.

After deliberations, SEIAA decided to defer the matter till 13.03.2022 or till the time the reply is received from M/s Innovative & Infrastructure Pvt. Ltd., whichever is earlier. Accordingly, the matter shall be placed before SEIAA for consideration.

**Item No. 201.10: Request regarding amendment in the Environmental Clearance issued to M/s Essix Biosciences Limited.**

Background and salient features of the matter are as under:

M/s Essix Biosciences Limited, Derabassi vide letter no. 1238 dated 10.02.2022 has requested as under:

"This has in reference to the minutes of the meeting held on 24.05.2021 vide which SEIAA on consideration of our proposal granted the environment Clearance for expansion of the existing API manufacturing industrial unit namely M/s Essix Biosciences Limited. from exiting production capacity of 160.0 Kg/Day to 217.27 Kg/Day located at B- 4&5, Industrial Focal Point, Derabassi, Distt. SAS Nagar (Mohali), Punjab. Further in line with the Notification S.O. 1223 (E) dated 27.03.2020 & S.O. 3636 (E) dated 15.10.2020 and OM dated 28.01.2021, we hereby request you to consider amendment for the products mentioned in the EC to be substituted as "as "API & Intermediates" as single category in order to provide us flexibility to change the raw material mix and /or product mix within the sanctioned pollution load."

The Industry has submitted the following documents along with the request letter:

(i) An Undertaking for no increase in the pollution load.

(ii) Details of production capacity of existing and proposed products along with products to be covered under single product category as API & Intermediates.

**1.0 Deliberations during 201st meeting of SEIAA held on 22.02.2022.**

The case was considered by SEIAA in its 201st meeting held on 22.02.2022 which was attended by Sh. Yogesh Goel, Advisor Corporate Affairs as authorised representative of the promoter company through online mode. During the, meeting SEIAA was apprised that Ministry of Environment, Forest & Climate Change, vide OM dated 28.01.2021 informed that all the SEACs shall appraise the proposals for prior Environmental Clearance under the provisions of EIA Notification, 2006 and subsequent amendments under the category of the schedule of EIA Notification, 2006, for the 'API and Intermediates' as a single category instead of individual products. SEIAA while granting the Environmental Clearance in this case has stipulated the quantities of individual products to be manufactured whereas as per MoEF&CC OM of 28.01.2021 the 'API and Intermediates' are to be amalgamated as a single category.

M/s Essix Biosciences Limited vide Letter No. 1238 dated 10.02.2022 has requested to consider amendment for the products mentioned in the EC to be substituted as "API & Intermediate" as single category in order to provide flexibility to change the raw material mix and/ or product mix within the sanctioned pollution load as per OM dated 28.01.2021 issued by MoEF & CC. The project proponent has submitted undertaking that there will be no increase in the pollution load and has also provided details of production capacity of existing and proposed products along with products to be covered under single product category as API & Intermediate along with the request letter.

The earlier EC in this case has been granted for products as per Table 1.0 but the same is required to be amended as per the Table 2.0 given below:

**Table 1.0 (Sr. No. 8 of the table mentioned in the EC letter)**

| S.No | Products | Name of Intermediate | Unit | Proposed Per Annum | Proposed Per Month | Proposed Per Day |
|---|---|---|---|---|---|---|
| 1 | Atorvastatin | A-2 | Kg | 19800 | 1650.00 | 61.11 |
| 2 | Donepozil HCl | DMI-02 | Kg | 1250 | 104.17 | 3.86 |
| 3 | Ezetemibe | EZE-III | Kg | 24308 | 2025.67 | 75.02 |
| 4 | Ivabradine | IBV-07 | Kg | 2550 | 212.50 | 7.87 |
| 5 | Ivabradine | IMN-03 | Kg | 7035 | 586.22 | 21.71 |
| 6 | Ivabradine (IID Chai) | IID-04 | Kg | 1821 | 151.73 | 5.62 |
| 7 | Letrozole | LET-01 | Kg | 550 | 45.87 | 1.70 |
| 8 | Ropinirole | MNPPA | Kg | 675 | 56.25 | 2.08 |
| 9 | ISLL-C-361 | AZE-04 | Kg | 3000 | 250.00 | 9.26 |
| | | AZE-05 | Kg | 3500 | 291.67 | 10.80 |
| 10 | Pentazocine | PENTA-7 | Kg | 2906 | 242.17 | 8.97 |
| 11 | Fexofenadrine | FEX - 8 | Kg | 3000 | 250.00 | 9.26 |
| | | | | 70395 | 5866.25 | 217.27 kg/day |

**Table 2.0 (After amendment)**

| **Sr. No.** | **Name of the products** | Unit | Proposed Kg /Annum | Proposed Kg /Month | Proposed Kg/ Day |
|---|---|---|---|---|---|
| 1. | API & Intermediate as single category | Kg | 70395 | 5866.25 | 217.27 |

To a query by SEIAA whether clubbing of API products would result in an increase in the total production capacity or pollution load, project proponent categorically informed that no such increase will occur either in the total production or in the pollution load. He further clarified that all products will continue to be manufactured by using the same machinery (Boilers, Furnaces

etc) and through the same processes as sanctioned in the final Environment Clearance issued by SEIAA vide no SEIAA/MS/2021/4256 dated 07.06.2021.

To another query by SEIAA, it was informed that flexibility to change the raw material mix and/ or product mix within the sanctioned pollution load to manufacture certain new Active Pharmaceutical Ingredients (API) is the need of the hour as their R&D is working on new products which may require to be validated at plant scale in the upcoming 09-12 months. The total volume will remain the same and total pollution/Effluent load will remain same as per the EC.

After detailed deliberations, SEIAA decided to amend the earlier granted Environmental Clearance by substituting Sr. No. 8 of the table mentioned in the EC letter with Table 2.0 above with the condition that the total quantities of the API & Intermediate as single category will remain unchanged i.e. @ 217.27 Kg/day. However, the quantities/raw material mix and /or product mix of the individual Intermediate products as also of the individual API's may be altered subject to the condition that project proponent shall not manufacture the products in excess of the total sanctioned production capacity and there must not be any increase in the total pollution load above the sanctioned pollution load as mentioned in the Environmental Clearance earlier granted vide letter no. 4256 dated 07.06.2021.

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Meeting ended with a vote of thanks to the Chair.

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**Member Secretary**