

**Proceedings of the 229<sup>th</sup> State Environment Impact Assessment Authority (SEIAA) held on 03.01.2023 (Tuesday) in the Conference Hall No. 1 (Room No 311), 2<sup>nd</sup> Floor of MGSIPA at 10:00 AM, MGSIPA Complex, Sector-26, Chandigarh.**

The meeting was attended by the following members:

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

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

**Item No. 01: Confirmation of the proceedings of the 228<sup>th</sup> meeting of the State Environment Impact Assessment Authority held on 30.12.2022.**

The proceedings of the 228<sup>th</sup> meeting of the State Environment Impact Assessment Authority held on 30.12.2022 were prepared and circulated on 30.12.2022. As no comments or suggestions in respect of the same were received, the proceedings of the 228<sup>th</sup> meeting as circulated were confirmed by SEIAA.

**Item No. 02: Action taken on the proceedings of 225<sup>th</sup>, 226<sup>th</sup>, 227<sup>th</sup> and 228<sup>th</sup> meeting of State Environment Impact Assessment Authority held on 13.12.2022, 22.12.2022, 26.12.2022 and 30.12.2022 respectively.**

Necessary action in accordance with the proceedings of the 225<sup>th</sup>, 226<sup>th</sup>, 227<sup>th</sup> of State Environment Impact Assessment Authority held on 13.12.2022, 22.12.2022 and 26.12.2022 respectively is being taken. The action taken on the decisions of the 228<sup>th</sup> meeting is complete. SEIAA took the note of the same and desired that pending requisite actions be completed expeditiously.

**Item No. 229.01: Application for TORs for establishment of Group Housing project namely “The Medallion Aurum” at Sector 67, Mohali, Distt. SAS Nagar, Punjab by M/s Turnstone Realty LLP (Proposal No. SIA/PB/INFRA2/405094/2022).**

The project proponent has applied for issuance of TORs for establishment of Group Housing project namely “The Medallion Aurum” at Sector 67, Mohali, Distt. SAS Nagar, Punjab by M/s Turnstone Realty LLP. The Project Proponent has proposed to construct 10 Residential Towers (A to J) having total 672 dwelling units along with Community Building & Shops (40 No’s). The total plot area of the project is 51,036.92 sq.m having built-up area of 2,75,081.854 sq.m. The project is covered under activity 8 (b) and category B1 as per the EIA notification dated 14.09.2006.

The total cost of the project is Rs 1100/- Cr. The project proponent has submitted Conceptual plan, Form I, Form IA and other additional documents through online portal. The project proponent has deposited Rs. 12,436/- submitted vide UTR No. AXSK223080000706 dated 04.11.2022 and Rs. 56,335/- submitted vide UTR No. AXSK223250003556 dated 19.11.2022 as checked & verified by the supporting staff of SEIAA.

**Deliberations during 234<sup>th</sup> meeting of SEAC held on 12.12.2022.**

The case was considered by the following:

- (i) Mr. Harpreet Dhaliwal, Project Head M/s Turnstone Realty LLP.
- (ii) Mr. Sandeep Garg, EIA Coordinator, M/s Eco laboratories Pvt. Ltd.

SEAC allowed the Environmental Consultant of the project proponent to present the Salient feature of the EIA report as under:

Sr. No.	Description	Details
<b>1</b>	<b>Basic Details</b>	
1.1	Name of Project & Project Proponent:	Proposed Group Housing Project namely “The Medallion Aurum” by M/s Turnstone Realty LLP.
1.2	Proposal:	SW/106547/2022
1.3	Location of Project:	Sector 67, Mohali, Distt. SAS Nagar, Punjab
1.4	Details of Land area & Built up area:	Land area: 51,036.92 sq.m. Built up area: 2,75,081.854 sq.m.
1.5	Category under EIA notification dated 14.09.2006	As built-up area of the project is more than 1,50,000 sq.m, thus, project requires prior Environmental Clearance as per EIA Notification, 2006 & its amendments. Accordingly, TOR application is being filed under Schedule 8(b); Category B1.
1.6	Cost of the project	Rs. 1,100 Crores
<b>2.</b>	<b>Site Suitability Characteristics</b>	
2.1	Whether project is suitable as per the	Land has been allotted by GMADA for establishment of the group housing project. A copy of the allotment letter

	provisions of Master Plan:	issued by GMADA vide Memo no. EO/2022/9054 dated 10.05.2022 submitted.								
2.2	Whether supporting document submitted in favour of statement at 2.1, details thereof: (CLU/ building plan approval status)	Land is allotted by GMADA for establishment of the group housing project.								
<b>3</b>	<b>Forest, Wildlife and Green Area</b>									
3.1	Whether the project required clearance under the provisions of Forest Conservations Act 1980 or not:	No, the project does not involve any forest land. Thus, no clearance is required under Forest Conservation Act, 1980. Undertaking regarding the same has been submitted.								
3.2	Whether the project required clearance under the provisions of Punjab Land Preservation Act (PLPA), 1900.	No, Project is not covered under PLPA, 1900. Undertaking regarding the same has been submitted.								
3.3	Whether project required clearance under the provisions of Wildlife Protection Act 1972 or not:	No, there is no Wildlife Sanctuary or Protected Area falls within 10 km radius of the project site. Thus, no NBWL Clearance is required.								
3.4	Distance of the project from the Critically Polluted Area.	The nearest critically polluted area is Ludhiana located at a distance of approx. 85 km from the project site.								
3.5	Whether the project falls within the influence of Eco-Sensitive Zone or not.	No, there is no Eco-Sensitive areas falls within 10 km radius of the project site.								
3.6	Green area requirement and proposed No. of trees:	Green area: 17,265.494 sq.m. No. of proposed trees: 715 trees								
<b>4.</b>	<b>Configuration &amp; Population</b>									
4.1	Proposal & Configuration	<ul style="list-style-type: none"> <li>Proposed Group Housing Project comprises of 10 Residential Towers having 672 dwelling units along with Community Building and 40 Shops.</li> <li>The area statement is given below:</li> </ul> <table border="1"> <thead> <tr> <th>Description</th> <th>Area (in sq.m)</th> </tr> </thead> <tbody> <tr> <td>Plot area</td> <td>51,036.920</td> </tr> <tr> <td>Built-up Area (FAR + Non-FAR)</td> <td><b>2,75,081.854</b></td> </tr> <tr> <td>Proposed Green area (@ 33.83%)</td> <td>17,265.494</td> </tr> </tbody> </table>	Description	Area (in sq.m)	Plot area	51,036.920	Built-up Area (FAR + Non-FAR)	<b>2,75,081.854</b>	Proposed Green area (@ 33.83%)	17,265.494
Description	Area (in sq.m)									
Plot area	51,036.920									
Built-up Area (FAR + Non-FAR)	<b>2,75,081.854</b>									
Proposed Green area (@ 33.83%)	17,265.494									

4.2	Population details	6,709 persons
<b>5</b>	<b>Water</b>	
5.1	Water requirement:	Total fresh water requirement of the project will be 398 KLD. Total water requirement of the project will be 615 KLD.
5.2	Source:	GMADA Supply
5.3	Whether Permission obtained for abstraction/supply of the fresh water from the Competent Authority (Y/N) <i>Details thereof</i>	Water supply will be provided through GMADA as per (x) point of other general conditions in the allotment letter. Copy of allotment letter is enclosed along with the application
5.4	Total wastewater generation:	492 KLD of domestic wastewater will be generated from the project.
5.5	Treatment methodology: <i>(STP capacity, technology &amp; components)</i>	492 KLD of domestic wastewater will be generated which will be treated in proposed STP of capacity 600 KLD based on MBBR Technology.
5.6	Treated wastewater for flushing purpose:	217 KLD
5.7	Treated wastewater for green area in summer, winter and rainy season:	Summer: 95 KLD Winter: 31 KLD Monsoon: 9 KLD
5.8	Utilization/Disposal of excess treated wastewater.	Excess treated water will be disposed of to GMADA sewer. In the allotment letter, it has been mentioned at point no. (xi) that allottee shall be entitled for sewer & storm water connection in the main sewer and storm network developed by GMADA
5.10	Rain water harvesting proposal:	13 No's Rain water recharging pits have been proposed for rain water recharge within the project premises.
<b>6</b>	<b>Air</b>	
6.1	Details of Air Polluting machinery:	5 DG sets of capacity 3,510 KVA (1 × 1,010 KVA + 2 × 750 KVA + 2 × 500 KVA) will be provided for power backup.
6.2	Measures to be adopted to contain particulate emission/Air Pollution	DG sets will be equipped with acoustic enclosure and run on HSD fuel. Further, adequate stack height will be provided for proper dispersion.
<b>7</b>	<b>Waste Management</b>	
7.1	Total quantity of solid waste generation	2,185 kg/day of domestic solid waste will be generated.
7.2	Whether Solid Waste Management layout plan by earmarking the location as well as area designated for installation of	Biodegradable waste will be converted into manure using two Composters of capacity 500 kg each to be installed within project premises. Non-biodegradable waste (recyclable waste) will be disposed off through authorized recycler vendors. Inert waste will be dumped at authorized dumping site.

	Mechanical Composter and Material Recovery Facility submitted or not.	
8	<b>Energy Saving &amp; EMP</b>	
8.1	Power Consumption:	Total power demand of the project will be 5,960 KVA which will be provided by Punjab State Power Corporation Limited (PSPCL).
8.2	Energy saving measures:	The total area covered by solar panels will be 2,636 sq.m. which is 30% of terrace area i.e. 8,785 sq.m. which will generate 38 KW power.
8.3	Details of activities under Environment Management Plan.	Details of activities under Environment Management Plan will be submitted with EIA report.

After deliberations, the Committee decided to forward the application of the project proponent to SEIAA with the recommendation to grant Terms of References (ToRs) for Group Housing project namely "The Medallion Aurum" at Sector 67, Mohali, Distt. SAS Nagar, Punjab subject to the standard ToRs as under:

#### **Standard TOR**

1. Examine details of land use as per Master Plan and land use around 10 km radius of the project site. Analysis should be made based on latest satellite imagery for land use with raw images. Check on flood plain of any river.
2. Submit details of environmentally sensitive places, land acquisition status, rehabilitation of communities/ villages and present status of such activities.
3. Examine baseline environmental quality along with projected incremental load due to the project.
4. Environmental data to be considered in relation to the project development would be (a) land, (b) groundwater, (c) surface water, (d) air, (e) bio-diversity, (f) noise and vibrations, (g) socio economic and health.
5. Submit a copy of the contour plan with slopes, drainage pattern of the site and surrounding area. Any obstruction of the same by the project
6. Submit the details of the trees to be felled for the project.
7. Submit the present land use and permission required for any conversion such as forest, agriculture etc.
8. Submit Roles and responsibility of the developer etc for compliance of environmental regulations under the provisions of EP Act.
9. Ground water classification as per the Central Ground Water Authority.
10. Examine the details of Source of water, water requirement, use of treated waste water and prepare a water balance chart.

11. Rain water harvesting proposals should be made with due safeguards for ground water quality. Maximize recycling of water and utilization of rain water. Examine details.
12. Examine soil characteristics and depth of ground water table for rainwater harvesting.
13. Examine details of solid waste generation treatment and its disposal.
14. Examine and submit details of use of solar energy and alternative source of energy to reduce the fossil energy consumption. Energy conservation and energy efficiency.
15. DG sets are likely to be used during construction and operational phase of the project. Emissions from DG sets must be taken into consideration while estimating the impacts on air environment. Examine and submit details.
16. Examine road/rail connectivity to the project site and impact on the traffic due to the proposed project. Present and future traffic and transport facilities for the region should be analysed with measures for preventing traffic congestion and providing faster trouble-free system to reach different destinations in the city
17. A detailed traffic and transportation study should be made for existing and projected passenger and cargo traffic.
18. Examine the details of transport of materials for construction which should include source and availability.
19. Examine separately the details for construction and operation phases both for Environmental Management Plan and Environmental Monitoring Plan with cost and parameters.
20. Submit details of a comprehensive Disaster Management Plan including emergency evacuation during natural and man-made disaster.
21. Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
22. The cost of the Project (capital cost and recurring cost) as well as the cost towards implementation of EMP should be clearly spelt out.
23. Any further clarification on carrying out the above studies including anticipated impacts due to the project and mitigative measure, project proponent can refer to the model ToR available on Ministry website "<http://moef.nic.in/Manual/Townships>".

## **2.0 Deliberations during 229<sup>th</sup> meeting of SEIAA held on 03.01.2023.**

The case was considered by SEIAA in its 229<sup>th</sup> meeting held on 03.01.2023 which was attended by the following:

- (i) Mr. Harpuneet Dhaliwal, Project Head M/s Turnstone Realty LLP.

(ii) Ms. Jyoti Rani, EIA Coordinator, M/s Eco laboratories Pvt. Ltd.

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

To a query by SEIAA regarding the amount to be spent for amelioration of the environment in lieu of the CER activities, the project proponent agreed to spend an amount of Rs 11.0 crores on these activities and stated that the details will be submitted along with EIA report.

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

- (i) The project proponent shall submit four copies of draft EIA report (2 each for SEIAA and SEAC) in advance so that the said EIA reports can be studied thoroughly by SEIAA / SEAC. This will facilitate incorporation of the suggestions / inputs of SEIAA / SEAC as also timely addressal of their concerns in the final EIA report.
- (ii) The project proponent shall undertake activities for the amelioration of the environment in the vicinity of the Project in lieu of CER activities. An amount of Rs 11.0 crores will be provided for such activities and the detailed proposal of the same along with implementation timelines will be submitted along with EIA report at the time of obtaining EC. As decided in the 14<sup>th</sup> Joint meeting of SEIAA / SEAC held on 13.07.2022, the following activities may, *inter alia*, be undertaken in lieu of CER:
  - a. Development of mini forests (Nanak Bagichi), urban forests, green belts, biodiversity parks etc., raising of avenue plantations and plantations in public/community areas/ educational institutions/Govt. buildings/banks of rivers/cantonment areas or any other land made available by the Govt. agencies and other institutions.
  - b. Cleaning and rejuvenation of village ponds, water bodies, wetlands, storm drains etc. (treatment of village sewer pond using PPCB and other approved scientific models)

For rejuvenation of Ponds:

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

Guidelines for restoration of Water Bodies

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

Technical Committee Report

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

- c. Development of infrastructure

- for utilization of treated effluent of STPs (double plumbing, construction work roadside sprinkling and
  - for reuse of STP/ETP sludge as farmyard manure (FYM) or 'other activities approved by CPCB/PPCB/MoEF&CC.
  - for replacing soakage pits and/or providing septic tanks in Govt. education institutions and other Govt. buildings/projects.
- d. Provision of solar panels/lights and other energy saving electric devices/equipment's including LED bulbs etc. in the Government/Municipal/other public schools, hospitals and dispensaries etc. or in other public buildings.
  - e. Provision of Roof top rainwater harvesting (RWH) and other water conservations activities in the Government/ Municipal/ other public schools, hospitals and dispensaries etc. or in other public buildings.
  - f. Solid waste management including composting/vermi-composting, Indian authorized approaches of reuse, recycle, Material Recovery Facility (MRF) to reach zero waste condition.
  - g. Development and establishment for alternatives to single use plastic (SUP), and plastic carry bags.
  - h. Other activities relating to amelioration of air, water & soil pollution as prescribed in the applicable District Environment Plan (DEP) <https://decc.punjab.gov.in/> in which gaps exist and which are not the statutory responsibility of Government Departments / Agencies.
  - i. Need based environmental activities as proposed by the project proponent/their accredited consultants for the amelioration of air, water & soil pollution on the basis of site-specific field surveys of the project and nearby areas and approved by SEIAA/SEAC/PPCB.
  - j. Preparation of Peoples Biodiversity Register (PBR) at all levels (District, block & village), conservation of biodiversity heritage sites (BHS) of Punjab, Eco zones Hotspots, bird sanctuaries.
  - k. Environmental awareness activities/celebrations/programmes, preparation and distribution of resource material for abatement and control of pollution and restoration of environment of Punjab and approved by SEIAA/SEAC/PPCB/academic experts.
  - l. Dust suppression by use of vacuum cleaners, sprinklers, fountains, misting machines/vehicles/artificial rain etc.
  - m. Scientific and environmentally sound management or recovery facilities of e-waste, C&D waste, plastic waste, toxic/hazardous waste, bio-medical waste, industrial wastes, dairy/Gaushala waste.



- n. Promotion and development of eco-tourism areas/activities, green buildings, agriculture diversity, organic/natural farming/herbal/medicinal/botanical gardens, electric vehicles, cleaner fuels, biodegradable materials.
- o. Control and In-situ/Ex-situ management of stubble burning (Parali) in Punjab.
- p. Clean and innovative technologies for reduction of water, air and solid waste pollutants and reuse, recycling of resource materials.

**Item No. 229.02: Application for Environment Clearance for expansion under EIA notification dated 14.09.2006 for Group Housing project namely "Green Lotus Utsav" located Village Chhat, Zirkapur, District SAS Nagar (Mohali), Punjab by M/s Maya Estate. (Proposal No. SIA/PB/MIS/72631/2020).**

Earlier, the Environmental Clearance for expansion was issued by MoEF&CC vide letter No. F.No. IA3-10/9/2021-IA.III dated 12.03.2021 for increase in built up area from 1,43,430.25 sqm to 1,71,959.97 sqm. in the name of M/s Maya Estate for Group Housing project at Village Chhat, Zirkapur, District SAS Nagar.

Thereafter, the Project Proponent applied for issuance of ToR for expansion through Parivesh Portal and subsequently was granted Terms of Reference (ToR) vide dated 03.03.2022 by SEIAA.

The Project Proponent applied for Environmental Clearance for expansion under EIA notification dated 14.09.2006 for Group Housing project namely "Green Lotus Utsav" located Village Chhat, Zirkapur, District SAS Nagar (Mohali), Punjab. The Project Proponent has proposed to increase the built-up area from 1,71,959.97 sqm to 1,84,602.07 sqm. The project is covered 8 (b) and category B1 as per the EIA notification dated 14.09.2006.

The Project Proponent has submitted compliance of Terms Reference and the certified compliance report issued by Regional Office of MoEF&CC vide letter no. 379-380-381 dated 30.06.2022.

The project proponent has submitted Form-2 and layout plan approved by Municipal Council of Zirkapur. The Project Proponent is required to deposit total fee of Rs 12642/- and he has deposited Rs 3165/- on 24.02.2022 and Rs. 9478/- paid vide UTR No. PUNBH22206413896 dated 25.07.2022, as checked & verified by the supporting staff of SEIAA.

Punjab Pollution Control Board vide letter no. 7586 dated 09.12.2022 has sent the latest construction status report with details as under:

*"The site of the proposed project was visited by officer of the Board on 20/9/2022 and it was observed as under:*

- 1. The project proponent has developed and constructed the area meant for shops, which is being used as sales office.*
- 2. The boundary walls of the project have been partially earmarked. The project proponent has proposed to carry out the expansion within the same area for which Environment Clearance earlier granted by the Competent Authority.*
- 3. As physically observed, at present the project proponent has started the construction work of 9 towers. The construction work of Tower-C is completed upto 8th floor and construction work of other 8 towers is at basement level or ground floor.*
- 4. As physically observed during visit, the project proponent had not started construction w.r.t proposed expansion.*

5. *The Chatt Bir Zoo is at a distance of approximately 1.5 km from the boundary of the project site. It was also observed that there is no industry such as rice sheller/ saila/ plant/ brick kiln/stone crushing/ screening cum washing unit/hot mix plant/cement unit etc. within a radius of 500 m. There is no air polluting industry within a radius of 100 m from the boundary of the project site and there is no MAH industry within a radius 250 m radius from the boundary of the proposed site. Therefore, the site of the project conforming to the siting guidelines laid down by the Government of Punjab, Department of Science Technology and Environment vide order dated 25/7/2008 as amended on 30/10/2009.*

*It is further intimated that the capacity of the existing terminal STP of Zirakpur is already short for the present domestic effluent being generated from the area and more effluent load can't be permitted without the adequate capacity of the terminal STP. Further, the project proponent has not submitted any alternate scheme for the disposal of treated effluent."*

**1.0 Deliberations during 234<sup>th</sup> meeting of SEAC held on 12.12.2022.**

The case was considered by the following:

- (i) Mr. Sanjay Pal Garg, General Manager, M/s Maya Estate.
- (ii) Mr. Sandeep Garg, EIA Coordinator, M/s Eco laboratories Pvt. Ltd.

SEAC allowed the Environmental Consultant of the project proponent to present the Salient feature of the EIA report as under:

Sr. No.	Description	Details												
<b>1</b>	<b>Basic Details</b>													
1.1	Name of Project & Project Proponent:	Expansion of Group Housing Project namely "Green Lotus Utsav" by M/s Maya Estate.												
1.2	Proposal:	SIA/PB/MIS/72631/2020												
1.3	Location of Project:	Village-Chhat (H.B. No. 286), Zirakpur, S.A.S Nagar, Mohali, Punjab												
1.4	Details of Land area & Built up area:	<table border="1"> <thead> <tr> <th>Description</th> <th>EC accorded</th> <th>Proposed</th> <th>Total after Expansion</th> </tr> </thead> <tbody> <tr> <td>Total plot area</td> <td colspan="3">12.25 acres</td> </tr> <tr> <td>Built-up Area</td> <td>1,71,959.97 m<sup>2</sup></td> <td>12,642.1 m<sup>2</sup></td> <td>1,84,602.07 m<sup>2</sup></td> </tr> </tbody> </table>	Description	EC accorded	Proposed	Total after Expansion	Total plot area	12.25 acres			Built-up Area	1,71,959.97 m <sup>2</sup>	12,642.1 m <sup>2</sup>	1,84,602.07 m <sup>2</sup>
Description	EC accorded	Proposed	Total after Expansion											
Total plot area	12.25 acres													
Built-up Area	1,71,959.97 m <sup>2</sup>	12,642.1 m <sup>2</sup>	1,84,602.07 m <sup>2</sup>											
1.5	Category under EIA notification dated 14.09.2006	The project falls under S.No. 8(b) - 'Township and Area Development'												
1.6	Cost of the project	Rs. 383.55 Crores												
<b>2.</b>	<b>Site Suitability Characteristics</b>													
2.1	Whether project is suitable as per the provisions of Master Plan:	As per Master Plan of Derabassi, project site falls within the agriculture zone. Copy of Master Plan of Derabassi showing the project site.												

2.2	Whether supporting document submitted in favour of statement at 2.1, details thereof: (CLU/building plan approval status)	Permission for change of land use for the total land area measuring 12.25 acres obtained in the name of M/s Maya Estate issued by Department of Town and Country Planning, Punjab vide Memo no. 1631-STP(S)/99-11(GR) dated 09.08.2018.								
<b>3</b>	<b>Forest, Wildlife and Green Area</b>									
3.1	Whether the project required clearance under the provisions of Forest Conservations Act 1980 or not:	No, the project does not involve any forest land. A copy of the NOC issued by DFO SAS Nagar, Department of Forest & Wildlife vide letter no. 3892 dated 13.08.2018 submitted.								
3.2	Whether the project required clearance under the provisions of Punjab Land Preservation Act (PLPA), 1900.	No, Project is not covered under PLPA, 1900. An undertaking in this regard submitted.								
3.3	Whether project required clearance under the provisions of Wildlife Protection Act 1972 or not:	No, City Bird Sanctuary is located at approx. 12 km; SE & Sukhna Wildlife Sanctuary at approx. 18 km; NE from the project location. Thus, NBWL clearance is not required.								
3.4	Distance of the project from the Critically Polluted Area.	The nearest critically polluted area is Ludhiana which is approx. 80 km from our project location.								
3.5	Whether the project falls within the influence of Eco-Sensitive Zone or not.	Not applicable								
3.6	Green area requirement and proposed No. of trees:	Total green area: 12,783 sq.m. Proposed trees to be planted: 700 nos.								
<b>4.</b>	<b>Configuration &amp; Population</b>									
4.1	Proposal & Configuration	<table border="1"> <thead> <tr> <th>Description</th> <th>EC accorded</th> <th>Proposed</th> <th>Total after Expansion</th> </tr> </thead> <tbody> <tr> <td>Components</td> <td>17 Residential Towers having 812 flats, 33 shops, school and clubhouse</td> <td>Reduction in 3 flats &amp; school*</td> <td>17 Residential Towers having 809 flats, 33 shops and clubhouse</td> </tr> </tbody> </table> <p>* Note: Due to change in planning, no. of flats has been reduced from 812 to 809 flats and school has been removed.</p>	Description	EC accorded	Proposed	Total after Expansion	Components	17 Residential Towers having 812 flats, 33 shops, school and clubhouse	Reduction in 3 flats & school*	17 Residential Towers having 809 flats, 33 shops and clubhouse
Description	EC accorded	Proposed	Total after Expansion							
Components	17 Residential Towers having 812 flats, 33 shops, school and clubhouse	Reduction in 3 flats & school*	17 Residential Towers having 809 flats, 33 shops and clubhouse							

4.2	Population details	<b>Description</b>	<b>EC accorded</b>	<b>Proposed</b>	<b>Total after Expansion</b>
		Population	4,532 Persons	-16 persons	4,516 Persons
<b>5</b>	<b>Water</b>				
5.1	Total fresh water requirement:	<b>Description</b>	<b>EC accorded</b>	<b>Proposed</b>	<b>Total after Expansion</b>
		Fresh water demand	273 KLD	-1 KLD	272 KLD
5.2	Source:	Borewell			
5.3	Whether Permission obtained for abstraction/supply of the fresh water from the Competent Authority (Y/N) <i>Details thereof</i>	Yes. Permission has been granted by PWRDA for 273 KLD vide permission no. PWRDA/07/2021/L2/124.			
5.4	Total wastewater generation:	<b>Description</b>	<b>EC accorded</b>	<b>Proposed</b>	<b>Total after Expansion</b>
		Wastewater generated	340 KLD	4 KLD	344 KLD
5.5	Treatment methodology: <i>(STP capacity, technology &amp; components)</i>	344 KLD of sewage will be generated from the project which will be treated in proposed STP of 500 KLD capacity (2 modules of 250 KLD each) based on MBBR Technology followed by UF.			
5.6	Treated wastewater for flushing purpose:	<b>Description</b>	<b>EC accorded</b>	<b>Proposed</b>	<b>Total after Expansion</b>
		Flushing Water required	90 KLD	5	95 KLD
5.7	Treated wastewater for green area in summer, winter and rainy season:	Summer: 70 KLD Winter: 23 KLD Monsoon: 6 KLD			
5.8	Utilization/Disposal of excess treated wastewater.	Summer: 118 KLD Winter: 165 KLD Monsoon: 231 KLD A copy of the permission letter issued by MC, Zirakpur vide letter no. SPL1 dated 26.10.2022 issued by EO, MC Zirakpur. In the permission letter it has been mentioned as under:			

		<p>“ਆਪ ਨੂੰ ਦੱਸਿਆ ਜਾਦਾ ਹੈ ਕਿ ਨਗਰ ਕੇਸ਼ਲ ਜੀਰਕਪੁਰ ਦੀ ਹਦੂਦ ਅੰਦਰ ਇੱਕ 17.3 ਐਮ.ਐਲ.ਡੀ. ਦਾ ਐਸ.ਟੀ.ਪੀ ਪਿੰਡ ਸਿੰਘਪੁਰਾ ਵਿਖੇ ਲੱਗਿਆ ਹੋਇਆ ਹੈ ਜੋ ਕਿ ਚੱਲ ਰਿਹਾ ਹੈ ਅਤੇ ਇਕ ਹੋਰ 17 ਐਮ.ਐਲ.ਡੀ ਦਾ ਸੀਵਰੇਜ਼ ਟਰੀਟਮੈਂਟ ਪਲਾਂਟ ਕਿਸ਼ਨਪੁਰਾ ਏਰੀਆ ਲਈ ਸੀਵਰੇਜ਼ ਬੋਰਡ ਵੱਲੋਂ ਲਗਾਇਆ ਜਾ ਰਿਹਾ ਹੈ। ਜਿਸਦਾ ਟੈਂਡਰ ਸੀਵਰੇਜ਼ ਬੋਰਡ ਵੱਲੋਂ ਅੰਨਦ ਪ੍ਰੋਜੈਕਟਸ ਕੰਪਨੀ ਨੂੰ ਅਲਾਟ ਕੀਤਾ ਜਾ ਚੁਕਾ ਹੈ ਜਿਸਦਾ ਕੰਮ ਵੀ ਜਲਦ ਹੀ ਪੂਰਾ ਹੋਣ ਹੀ ਸੰਭਾਵਣਾ ਹੈ ਇਹ ਆਪ ਜੀ ਸੂਚਨਾ ਹਿੱਤ ਹੈ ਕਿ ਸਾਨੂੰ ਇਹ ਲਾਈਨ ਤੁਹਾਡੇ ਨਾਲ ਜੋੜਨ ਚ ਕੋਈ ਇਤਰਾਜ਼ ਨਹੀਂ ਹੈ।”</p>												
5.9	Cumulative Details for all season:													
	<b>Seasons</b>	<b>Total water Requirement</b>	<b>Total wastewater generated</b>	<b>Treated wastewater</b>	<b>Flushing water requirement</b>	<b>Green area requirement</b>	<b>Into sewer</b>							
	Summer	367 KLD	294 KLD	288 KLD	95 KLD	70 KLD	123 KLD							
	Winter	367 KLD	294 KLD	288 KLD	95 KLD	23 KLD	170 KLD							
	Rainy	367 KLD	294 KLD + 50 KLD =344 KLD	337 KLD	95 KLD	6 KLD	236 KLD							
5.10	Rain water harvesting proposal:	Total 11 Recharge Pits have been proposed for rain water recharging. Layout showing rain water recharging pits is enclosed along with application.												
6	<b>Air</b>													
6.1	Details of Air Polluting machinery:	Total 5 DG Sets (i.e. 3 Nos. of 1000 KVA & 2 of 500 KVA i.e. total 4000 KVA capacity)												
6.2	Measures to be adopted to contain particulate emission/Air Pollution	DG sets will be equipped with acoustic enclosure to minimize noise generation and adequate stack height for proper dispersion.												
7	<b>Waste Management</b>													
7.1	Total quantity of solid waste generation	<table border="1"> <thead> <tr> <th>Description</th> <th>EC accorded</th> <th>Proposed</th> <th>Total after Expansion</th> </tr> </thead> <tbody> <tr> <td>Solid waste generation</td> <td>1,718 kg/day</td> <td>-6 kg/day</td> <td>1,712 kg/day</td> </tr> </tbody> </table>					Description	EC accorded	Proposed	Total after Expansion	Solid waste generation	1,718 kg/day	-6 kg/day	1,712 kg/day
Description	EC accorded	Proposed	Total after Expansion											
Solid waste generation	1,718 kg/day	-6 kg/day	1,712 kg/day											
7.2	Whether Solid Waste Management layout plan by earmarking the location as well as area designated for	2 composters of 300 kg and 500 capacity each will be installed within the project premises. Location for solid waste segregation and management is marked in the service layout plan.												

	installation of Mechanical Composter and Material Recovery Facility submitted or not																			
7.5	Details of management of Hazardous Waste.	Hazardous Waste will be managed & disposed off to authorized vendors as per the Hazardous & Other Wastes (Management & Transboundary Movement) Rules, 2016 and its amendments.																		
8	<b>Energy Saving &amp; EMP</b>																			
8.1	Power Consumption:	Total power demand for the proposed project will be 4466 KW which will be provided by Punjab State Power Corporation Limited (PSPCL).																		
8.2	Energy saving measures:	Total energy saved by LEDs = 53 KW Also, solar panels have been proposed on the roof top of the residential towers which will generate 194 KW of power generation. Detailed energy savings are attached along.																		
8.3	Details of activities under Environment Management Plan.	<p>Details of activities under Environment Management Plan is given below.</p> <p style="text-align: center;"><u>Table: EMP Budget during Construction phase</u></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Description</th> <th style="text-align: center;">Capital Cost (Rs. Lakhs)</th> <th style="text-align: center;">Recurring Cost (Rs. Lakhs/annum)</th> </tr> </thead> <tbody> <tr> <td>Wastewater Management (STP of 500 KLD, MBBR-UF)</td> <td style="text-align: center;">90</td> <td style="text-align: center;">2</td> </tr> <tr> <td>Air &amp; Noise Pollution Management (site barricading, PPEs, Maintenance of machinery, etc.)</td> <td style="text-align: center;">10</td> <td style="text-align: center;">0.1</td> </tr> <tr> <td>Landscaping</td> <td style="text-align: center;">8</td> <td style="text-align: center;">1.5</td> </tr> <tr> <td>Rainwater Harvesting (11 pits)</td> <td style="text-align: center;">22</td> <td style="text-align: center;">0.25</td> </tr> <tr> <td>Solid Waste Management (including composters of size 500 &amp; 300 kg)</td> <td style="text-align: center;">80</td> <td style="text-align: center;">1</td> </tr> </tbody> </table>	Description	Capital Cost (Rs. Lakhs)	Recurring Cost (Rs. Lakhs/annum)	Wastewater Management (STP of 500 KLD, MBBR-UF)	90	2	Air & Noise Pollution Management (site barricading, PPEs, Maintenance of machinery, etc.)	10	0.1	Landscaping	8	1.5	Rainwater Harvesting (11 pits)	22	0.25	Solid Waste Management (including composters of size 500 & 300 kg)	80	1
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		Energy conservation (LEDs, Solar panel of 194 KW)	150	1
		Environmental Monitoring	2	2
		Miscellaneous	2	0.5
		<b>Total</b>	<b>364 Lakhs</b>	<b>8.35 Lakhs</b>
<u>Table: EMP Budget during Operational phase</u>				
		<b>Description</b>	<b>Recurring Cost (Rs. Lakhs/annum)</b>	
		Wastewater Management (STP of 500 KLD, MBBR-UF)	5	
		Air & Noise Pollution Management	0.5	
		Landscaping	6 (for 3 years)	
		Rainwater Harvesting (11 pits)	2	
		Solid Waste Management (including composters of size 500 & 300 kg)	5	
		Energy conservation	2	
		Environmental Monitoring	2	
		Miscellaneous	2	
		<b>Total</b>	<b>24.5 Lakhs</b>	

The Committee observed that there is minor increase in wastewater generation (340 KLD to 344 KLD) due to increase in water consumption from 30 lpcd to 45 lpcd for visitors and shops, in comparison to EC granted earlier vide letter dated 12.03.2021 by MoEF&CC, Govt. of India.

Therefore, the Committee decided to forward the application to SEIAA with the recommendation to grant Environmental Clearance for Expansion of Group Housing project namely "Green Lotus Utsav" located Village Chhat, Zirkapur, District SAS Nagar (Mohali), 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 as under: -

**I. Statutory compliances:**

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



- ii) The approval of the Competent Authority shall be obtained for the structural safety of buildings due to earthquakes, adequacy of firefighting equipment, etc. as per the National Building Code including protection measures from lightning, etc.
- iii) The project proponent shall obtain forest clearance under the provisions of the Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purposes is involved in the project.
- iv) The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
- v) The project proponent shall obtain Consent to Establish / Operate under the provisions of the Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the Punjab Pollution Control Board.
- vi) The project proponent shall obtain the necessary permission for the abstraction of groundwater/ surface water required for the project from the competent authority.
- vii) A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained.
- viii) All other statutory clearances such as the approvals for storage of diesel from the Chief Controller of Explosives, Fire Department, and Civil Aviation Department shall be obtained, as applicable, by project proponents from the respective competent authorities.
- ix) The provisions of the Solid Waste (Management) Rules, 2016, E-Waste (Management) Rules, 2016, Construction & Demolition Waste Rules, 2016, and the Plastics Waste (Management) Rules, 2016 shall be followed.
- x) The project proponent shall follow the ECBC/ECBC-R prescribed by Bureau of Energy Efficiency, Ministry of Power strictly.
- xi) The project site shall conform to the suitability as prescribed under the provisions laid down under the master plan of the respective city/ town. For that, the project proponent shall submit the NOC/ land use conformity certificate from Deptt. of Town and Country Planning or other concerned Authority under whose jurisdiction, the site falls.
- xii) Besides the above, the project proponent shall also comply with siting criteria/guidelines, standard operating practices, code of practice, and guidelines if any prescribed by the SPCB/CPCB/MoEF&CC for such types of projects.
- xiii) The project proponent shall construct the buildings as per the layout plan approved from the Competent Authority and in consonance of the project proposal for which this environment clearance is being granted.

## **II. Air quality monitoring and preservation**

- i) Notification GSR 94(E) dated 25.01.2018 of MoEF&CC regarding Mandatory Implementation of Dust Mitigation Measures for Construction and Demolition Activities for projects requiring Environmental Clearance shall be complied with.
- ii) A management plan shall be drawn up and implemented to contain the current exceedance in the ambient air quality at the site.
- iii) The project proponent shall install a system to undertake Ambient Air Quality monitoring for common /criterion parameters relevant to the main pollutants released (e.g., PM10 and PM2.5) covering upwind and downwind directions during the construction period.
- iv) Diesel power generating sets proposed as a source of backup power should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use of low sulphur diesel would be the preferred option. The location of the DG sets may be decided in consultation with Punjab Pollution Control Board.
- v) Construction site shall be adequately barricaded before the construction begins. Dust, smoke and other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, and continuous dust/ wind-breaking walls all around the site (at least 3 m height or 1/3rd of the building height and maximum up to 10 m). Plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, murrum and other construction materials prone to causing dust pollution at the site as well as taking out debris from the site.
- vi) No Excavation of soil shall be carried out without adequate dust mitigation measures in place.
- vii) No loose soil or sand or construction and demolition waste or any other construction material that causes dust shall be left uncovered.
- viii) No uncovered vehicles carrying construction material and waste shall be permitted.
- ix) All the topsoil excavated during construction activities should be stored for use in horticulture/landscape development within the project site.
- x) Grinding and cutting of building material in open areas shall be prohibited. A wet jet shall be provided for grinding and stone cutting.
- xi) Unpaved surfaces and loose soil shall be adequately sprinkled with water to suppress dust.
- xii) All construction and demolition debris shall be stored at the site within the earmarked area and roadside storage of construction material and waste shall be prohibited. All

demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules 2016.

- xiii) The diesel generator sets to be used during the construction phase shall be low sulphur diesel type and shall conform to the norms and regulations prescribed under air and noise emission standards.
- xiv) The gaseous emissions from the DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate noise pollution. Low sulphur diesel shall be used. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.
- xv) For indoor air quality, the ventilation provisions as per the National Building Code of India shall be complied with.
- xvi) Roads leading to or at the construction site must be paved and blacktopped (i.e., metallic roads should be built and used).
- xvii) Dust Mitigation measures shall be displayed prominently at the construction site for easy public viewing.
- xviii) Construction and Demolition Waste Processing and Disposal site shall be identified and required dust mitigation measures will be notified at the site

### III. Water quality monitoring and preservation

- i) The natural drainage system should be maintained for ensuring unrestricted flow of water.
- ii) No construction shall be allowed which obstructs the natural drainage through the site, in wetland and water bodies. Check dams, bio-swales, landscape, and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rainwater.
- iii) Buildings shall be designed to follow the natural topography as far as possible. Minimum cutting and filling should be done.
- iv) The total water requirement for the project shall be 367 KLD, out of which 272 KLD shall be met through own tube well. Total freshwater use shall not exceed the proposed requirement as provided in the project details and other relevant details as under:

Seasons	Total water Requirement	Total wastewater generated	Treated wastewater	Flushing water requirement	Green area requirement	Into sewer

Summer	367 KLD	294 KLD	288 KLD	95 KLD	70 KLD	123 KLD
Winter	367 KLD	294 KLD	288 KLD	95 KLD	23 KLD	170 KLD
Rainy	367 KLD	294 KLD + 50 KLD =344 KLD	337 KLD	95 KLD	6 KLD	236 KLD

- b) Storage tank of adequate capacity shall be provided for the storage of treated wastewater and all efforts shall be made to supply the same for construction purposes.
- c) During the construction phase, the project proponent shall ensure that the wastewater generated from the labour quarters/toilets shall be treated and disposed of in an environment-friendly manner. The project proponent shall also exercise the option of modular bio-toilets or will provide proper and adequately designed septic tanks for the treatment of such wastewater and treated effluents shall be utilized for green area/plantation.
- v) The project proponent shall ensure a safe drinking water supply to the habitants. Adequate treatment facility for drinking water shall be provided, if required.
- vi) The quantity of freshwater usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC and SEIAA along with six-monthly monitoring reports.
- vii) A certificate shall be obtained from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed, the quantity of water allotted to the project under consideration, and the balance of water available. This should be specified separately for groundwater and surface water sources, ensuring that there is no impact on other users.
- viii) At least 20% of the open spaces as required by the local building bye-laws shall be pervious. Use of Grass pavers, paver blocks with at least 50% opening, landscape, etc. would be considered as pervious surface.
- ix) Dual pipe plumbing shall be installed for supplying fresh water for drinking, cooking and bathing, etc. and other for supply of recycled water for flushing, landscape irrigation, car washing, thermal cooling, air conditioning etc.

- x) Installation of R.O. plants in the project will be discouraged in order to reduce water wastage in form of RO reject. However, in case the requirement of installing RO plant is unavoidable, the rejected stream from the RO shall be separated and shall be utilized by storing the same within the particular component or in a common place in the project premises.
- xi) The project proponent shall also adopt the new/innovative technologies like low water discharging taps (faucet with aerators) /urinals with electronic sensor system /waterless urinals/twin flush cisterns/ sensor-based alarm system for overhead water storage tanks and make them a part of the environmental management plans/building plans so as to reduce the water consumption/groundwater abstraction.
- xii) The project proponent will provide plumbing system for reuse of treated wastewater for flushing/other purposes etc. and will colour code the different pipelines carrying water/wastewater from different sources / treated wastewater as follows:

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

- xiii) Water demand during construction should be reduced by the use of pre-mixed concrete, curing agents, and adopting other best practices.
- xiv) The CGWA provisions on rainwater harvesting should be followed. A rainwater harvesting plan needs to be designed where the recharge bores of minimum one recharge bore per 5,000 square meters of the plot area and a storage capacity of a minimum of one day of the total freshwater requirement shall be provided. In areas where groundwater recharge is not feasible, the rainwater should be harvested and stored for reuse. As per the proposal submitted by the project proponent, 11 no. recharging pits will be provided for groundwater recharging as per the CGWB norms. The groundwater shall not be withdrawn without approval from the Competent Authority.
- xv) All recharge should be limited to shallow aquifers.

- xvi) No groundwater shall be used during the construction phase of the project. Only treated sewage/wastewater shall be used. A proper record in this regard should be maintained and should be available at the site.
- xvii) Any groundwater dewatering should be properly managed and shall conform to the approvals and the guidelines of the CGWA in the matter. Formal approval shall be taken from the CGWA for any groundwater abstraction or dewatering.
- xviii) The quantity of freshwater usage, water recycling, and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC, and SEIAA along with six-monthly Monitoring reports.
- xix) Sewage shall be treated in the STP with tertiary treatment by providing ultra-filtration Technology. STP shall be installed in a phased manner viz a viz in the module system designed in such a way so as to efficiently treat the wastewater with an increase in its quantity due to rise in occupancy. The treated effluent from STP shall be recycled/reused for flushing and gardening. No treated water shall be disposed of into the municipal stormwater drain.
- xx) No sewage or untreated effluent would be discharged through stormwater drains. Onsite sewage treatment with a capacity to treat 100% wastewater will be installed. The installation of the Sewage Treatment Plant (STP) shall be certified by an independent expert and a report in this regard shall be submitted to the Ministry / SEIAA before the project is commissioned for operation. Treated wastewater shall be reused on-site for landscape, flushing, and other end-uses. Excess treated water shall be discharged as per statutory norms notified by the Ministry of Environment, Forest, and Climate Change. Natural treatment systems shall be promoted.
- xxi) Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odour problem from STP.
- xxii) Sludge from the onsite sewage treatment, including septic tanks, shall be collected, conveyed and disposed of as per the Ministry of Urban Development, Central Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.

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

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

- ii) A noise level survey shall be carried out as per the prescribed guidelines and a report in this regard shall be submitted to the Regional Officer of the Ministry as a part of a six-monthly compliance report.
- iii) Acoustic enclosures for DG sets, noise barriers for ground-run bays, earplugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.

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

- i) Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured. Buildings in the States which have notified their own ECBC, shall comply with the State ECBC.
- ii) Outdoor and common area lighting shall be LED.
- iii) Concept of passive solar design that minimize energy consumption in buildings by using design elements, such as building orientation, landscaping, efficient building envelope, appropriate fenestration, increased daylighting design and thermal mass, etc. shall be incorporated in the building design. Wall, window, and roof U-values shall be as per ECBC specifications.
- iv) Energy conservation measures like the installation of LEDs for lighting the area outside the building should be an integral part of the project design and should be in place before project commissioning.
- v) Solar, wind, or other Renewable Energy shall be installed to meet electricity generation equivalent to 1% of the demand load or as per the state level/ local building bye-laws requirement, whichever is higher.
- vi) At least 30% of the rooftop area shall be used for generating Solar power for lighting in the apartments so as to reduce the power load on the grid. A separate electric meter shall be installed for solar power. Solar water heating shall be provided to meet 20% of the hot water demand of the commercial and institutional building or as per the requirement of the local building bye-laws, whichever is higher.

#### **VI. Waste Management**

- i) A certificate from the competent authority handling municipal solid waste, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from the project shall be obtained.
- ii) The Project Proponent shall install Mechanical Composter of adequate capacity to treat wet component of the Solid Waste.
- iii) Disposal of muck during the construction phase should not create any adverse effect on the neighbouring communities and should be safely disposed of taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of the competent authority.

- iv) Separate wet and dry bins must be provided in each unit and at the ground level for facilitating the segregation of waste. Solid waste shall be segregated into wet garbage and inert materials.
- v) Organic waste compost/ Vermiculture pit/ Organic Waste Converter/Mechanical Composter within the premises must be installed for treatment and disposal of the solid waste.
- vi) All non-biodegradable waste shall be handed over to authorized recyclers for which a written tie-up must be done with the authorized recyclers.
- vii) Any hazardous waste generated during the construction phase, shall be disposed of as per applicable rules and norms with the necessary approvals of the State Pollution Control Board.
- viii) Use of environment-friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction material quantity. These include Fly Ash bricks, hollow bricks, AACs, Fly Ash Lime Gypsum blocks, Compressed earth blocks, and other environmentally friendly materials.
- ix) Fly ash should be used as a building material in the construction as per the provision of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003 and 25th January, 2016. Ready-mixed concrete must be used in building construction.
- x) Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Rules, 2016.
- xi) Used CFLs and TFLs should be properly collected and disposed of or sent for recycling as per the prevailing guidelines/ rules of the regulatory authority to avoid mercury contamination.

## **VII. Green Cover**

- i) No naturally growing tree should be felled/transplanted unless exigencies demand. Where absolutely necessary, tree felling shall be with prior permission from the concerned regulatory authority. Old trees should be retained based on girth and age regulations as may be prescribed by the Forest Department.
- ii) At least a single line plantation all around the boundary of the project as proposed shall be provided. The open spaces inside the plot should be suitably landscaped and covered with vegetation of indigenous species/variety. The project proponent shall ensure the planting of 700 trees in the project area at the identified location, as the per proposal submitted, with plants of native species preferably having broad leaves. The size of the plant thus planted should not be less than 6 ft and each plant shall be protected with a fence and properly maintained. The project proponent shall make adequate provisions of funds to ensure maintenance of the plants for a further period of three years and thereafter, protected throughout the entire lifetime of the Project.



The species with heavy foliage, broad leaves, and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping. The plantation should be undertaken as per SEIAA guidelines.

- iii) The Project Proponent shall develop a green belt with native tree species (having canopy type structure and especially trees, and not grass) before the completion of the project. The greenbelt shall inter alia cover the entire periphery of the unit provided that the number of trees to be planted should not be less than one tree per 80 sqm of the total land area. The canopy trees shall also be planted around the parking area to provide shade to the parked vehicles.
- iv) Where the trees need to be cut with prior permission from the concerned local Authority, a compensatory plantation in the ratio of 1: 10 (i.e. planting of 10 saplings of the same species for every tree that is cut) shall be done and the newly planted saplings will be maintained for at least 5 years. Green belt development shall be undertaken as per the details provided in the project document.
- v) Topsoil should be stripped to a depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stockpiled appropriately in designated areas and reapplied during the plantation of the proposed vegetation on site.
- vi) The project proponent shall not use any chemical fertilizer /pesticides /insecticides and shall use only Herbal pesticides/insecticides and organic manure in the green area.
- vii) The green belt along the periphery of the plot shall achieve an attenuation factor conforming to the day and night noise standards prescribed for commercial land use.
- viii) The project proponent shall submit the progress of developing the green belt in the six-monthly compliance report.

#### **VIII. Transport**

- i) A comprehensive mobility plan, as per MoUD best practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public, and private networks. Road should be designed with due consideration for environment, and safety of users. The road system can be designed with these basic criteria.
  - a) Hierarchy of roads with proper segregation of vehicular and pedestrian traffic.
  - b) Traffic calming measures.
  - c) Proper design of entry and exit points.
  - d) Parking norms as per local regulations.
- ii) Vehicles hired for bringing construction material to the site should be in good condition and should have a valid pollution check certificate, conform to applicable air and noise emission standards, and should be operated only during non-peak hours.

- iii) A detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 05 km radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on the cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies within this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D./ competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.
- iv) Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Parking should be fully internalized and no public space should be utilized.

#### **IX. Human health issues**

- i) All workers working at the construction site and involved in loading, unloading, carriage of construction material and construction debris, or working in any area with dust pollution shall be provided with dust masks.
- ii) For indoor air quality, the ventilation provisions as per the National Building Code of India should be followed.
- iii) An emergency preparedness plan based on the Hazard Identification and Risk Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, and medical health care, creche, etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
- iv) Occupational health surveillance of the workers shall be done regularly.
- v) A First Aid Room shall be provided in the project both during construction and operations of the project.

#### **X. Environment Management Plan**

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

- ii) A separate Environmental Cell both at the project and company headquarters level, with qualified personnel shall be set up under the control of senior Executive, who will report directly to the head of the organization.
- (i) An action plan for implementing EMP and environmental conditions along with the responsibility matrix of the company shall be prepared and shall be duly approved by the competent authority is as under:

**Construction phase**

Description	Capital Cost (Rs. Lakhs)	Recurring Cost (Rs. Lakhs/annum)
Wastewater Management (STP of 500 KLD, MBBR-UF)	90	2
Air & Noise Pollution Management (site barricading, PPEs, Maintenance of machinery, etc.)	10	0.1
Landscaping	8	1.5
Rainwater Harvesting (11 pits)	22	0.25
Solid Waste Management (including composters of size 500 & 300 kg)	80	1
Energy conservation (LEDs, Solar panel of 194 KW)	150	1
Environmental Monitoring	2	2
Miscellaneous	2	0.5
<b>Total</b>	<b>364 Lakhs</b>	<b>8.35 Lakhs</b>

**Operation Phase**

Description	Recurring Cost (Rs. Lakhs/annum)
Wastewater Management (STP of 500 KLD, MBBR-UF)	5
Air & Noise Pollution Management	0.5
Landscaping	6 (for 3 years)
Rainwater Harvesting (11 pits)	2
Solid Waste Management (including composters of size 500 & 300 kg)	5
Energy conservation	2
Environmental Monitoring	2
Miscellaneous	2
<b>Total</b>	<b>24.5 Lakhs</b>

**XI. Validity**

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

## **XII. Miscellaneous**

- i) The project proponent shall obtain a completion and occupancy certificate from the Competent Authority and submit a copy of the same to the SEIAA, Punjab before allowing any occupancy.
- ii) The project proponent shall comply with the conditions of CLU, if obtained.
- iii) The project proponent shall prominently advertise in at least two local newspapers of the District or State, of which one shall be in the vernacular language within seven days indicating that the project has been accorded environment clearance and the details of MoEF&CC/SEIAA website where it is displayed.
- iv) The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn have to publicly display the same for 30 days from the date of receipt.
- v) The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on a half-yearly basis.
- vi) The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the Ministry of Environment, Forest and Climate Change at the Environment Clearance portal and submit a copy of the same to SEIAA.
- vii) The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put the same on the website of the company.
- viii) The project proponent shall inform the Regional Office as well as SEIAA Punjab, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
- ix) The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
- x) The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitments made during public hearing and also those made to SEIAA / SEAC during their presentation.

- xi) No further expansion or modifications in the project shall be carried out other than those permitted in this EC without prior approval of SEIAA. In case of deviation or alterations in the project proposal from those submitted to the Ministry/SEIAA for clearance, a fresh reference shall be made to the Ministry/SEIAA, as applicable, to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
- xii) The Regional Office, MoEF&CC, Chandigarh, Punjab Pollution Control Board and SEIAA/ SEAC members nominated for the purpose shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer(s) entrusted with this monitoring by furnishing the requisite data/information/monitoring reports.
- xiii) This Environmental Clearance is granted subject to final outcome of pending related cases in the Hon'ble Supreme Court of India, Hon'ble High Courts, Hon'ble NGT and any other Court of Law as may be applicable to this project.

### **XIII. Additional Conditions**

- i) The approval is based on the conceptual plan/drawings submitted with the application. In case, there is variation in built-up area/green area/ any other details in the drawings approved by the competent authority, the Project Proponent shall obtain the revised Environmental Clearance.
- ii) The Project Proponent shall ensure that the natural drainage channels in the project site including streams, drains, choes, creeks, rivulets, etc. are not disturbed so that the natural flow of rainwater, etc is not impeded or disrupted in any manner.
- iii) Authorization from Punjab Pollution Control Board shall be obtained as applicable under the Bio-Medical Waste Management Rules 2016 as amended from time to time.
- iv) The solid waste other than Bio-Medical Waste & Hazardous Waste (dry as well as wet garbage) generated should be properly collected and segregated before disposal to Municipal Authorities in accordance with the Municipal Solid Waste (Management & Handling) Rules, 2000. No municipal waste should be disposed off outside the premises in contravention of relevant rules and by-laws. Adequate measures should be taken to prevent any malodour in and around the Project premises.
- v) In the event that the project proponent decides to abandon/close the Project at any stage, he shall submit an application in the prescribed form along with requisite documents through Parivesh to SEIAA for surrendering the Environmental Clearance as per the procedure prescribed in OM dated 29.03.2022 issued by the MoEF&CC. The project proponent shall be accountable for adherence/compliance of the EC conditions till such time as the project is finally closed by SEIAA, based upon the certified closure report of Integrated Regional Offices (IROs) of MoEF&CC, Chandigarh/PPCB.

- vi) This Environmental Clearance is liable to be revoked without any further notice to the Project Proponent in case of failure to comply with condition (v) above.
- vii) Concealing factual data or submission of false/fabricated data may result in revocation of this Environmental Clearance and attract action under the provisions of Environment (Protection) Act, 1986.
- viii) The Project Proponent shall manage the solid waste generated from the project as per the sub-rule-7 of rule-4 of SWM Rules 2016.
- ix) The Ministry reserves the right to stipulate additional conditions if found necessary. The Promoter Company in a time bound manner shall implement these conditions.
- x) 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.
- xi) Any appeal against this Environmental Clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

## **2.0 Deliberations during 229<sup>th</sup> meeting of SEIAA held on 03.01.2023.**

The case was considered by SEIAA in its 229<sup>th</sup> meeting held on 03.01.2023 which was attended by the following:

- (i) Mr. Sanjay Pal Garg, General Manager, M/s Maya Estate.
- (ii) Ms. Jyoti Rani, EIA Coordinator, M/s Eco laboratories Pvt. Ltd.

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

SEIAA observed that as per the presentation the project proponent has proposed to spend Rs. 72 lakhs for undertaking activities in lieu of CER activities. SEIAA further observed that earlier the project was granted EC for construction of residential project namely "Green Lotus Utsav" vide letter no. DECC/SEIAA/2019/726 dated 22.08.2019. The said EC was issued by SEIAA with a condition to spend Rs. 170 lakhs for CER activities. SEIAA further observed that later on the project proponent obtained EC for expansion of the project from MoEF vide letter no. F. No. IA3-10/9/2021-IA.III dated 12.03.2021. The project proponent has now submitted application for further expansion with total project cost of 383.55 crores.

SEIAA observed that the project proponent needs to revise the proposal for undertaking activities in lieu of CER in proportion to the project cost. To this, the project proponent sought

time for resubmitting the proposal.

After detailed deliberations, SEIAA decided to defer the matter till the next meeting, subject to submission of revised CER from the project proponent.

**Item No. 229.03: Application for amendment in Environmental Clearance for manufacturing of steel Billets/Ingots/Hand Tool/Flats/Industrial round by Village Dugri, Tehsil-Payal, District Ludhiana, Punjab M/s Ajar Amar Steel Concast (Proposal No. SEIAA/PB/IND/294887/2022).**

The industry is an existing unit and was granted Consent to Operate under the provisions of the Water (Prevention & Control of Pollution) Act, 1974 and Air (Prevention & Control of Pollution) Act, 1981 which are valid till 30.09.2025. The consents are granted for manufacturing of steel ingots @ 77 MTD.

The industry was granted Environmental Clearance for expansion vide SEIAA letter dated 22.01.2022 for increase in the production capacity from 26,950 TPA of steel Billets/Ingots/Hand tool/Flats/Industrial rounds to 1,15,500 TPA of steel Billets/Ingots/Hand tool/Flats/Industrial rounds by addition of induction furnace at Village Dugri, Tehsil-Payal, District Ludhiana, Punjab. The said Environmental Clearance was granted for installation of 2 No. of induction furnaces of capacity 10 TPH & 20 TPH, 1 CCM and 1 rolling mill of capacity 15 TPH. The project is covered under category B1 and activity 3(a) as per the EIA notification dated 14.09.2006.

Now, the industry has submitted application for amendment in Environmental Clearance and submitted Form-4 and compliance of conditions of earlier Environmental Clearance granted to the industry. As per application, the industry has proposed to install 01 Induction Furnace of capacity 30TPH instead of 02 furnaces of capacities 10TPH & 20TPH. There will be no alteration in the production capacity of the Steel Billets/Ingots/Hand tool/Flats/Industrial rounds of 1,15,500 TPA. The industry further informed that by installation of single energy efficient furnace instead of two no. furnace, there will be substantial decrease energy consumption, manpower and space requirement.

**1.0 Deliberations during 234<sup>th</sup> meeting of SEAC held on 12.12.2022.**

The meeting was attended by the following:

- (i) Sh. Archit Jain, Partner M/s Ajar Amar Steel Concast.
- (ii) Sh. Sital Singh, Environmental Consultant, M/s. Chandigarh Pollution Testing Laboratory.
- (iii) Sh. Sandeep Singh, Consultant, M/s. Chandigarh Pollution Testing Laboratory.

The Committee was satisfied with the presentation given by the Project Proponent. After deliberations, the Committee decided to forward the case to the SEIAA with recommendations to grant amendment in Environmental Clearance under EIA notification dated 14.09.2006.

**2.0 Deliberations during 229<sup>th</sup> meeting of SEIAA held on 03.01.2023.**

The case was considered by SEIAA in its 229<sup>th</sup> meeting held on 03.01.2023 which was attended by the following:



- (i) Sh. Archit Jain, Partner M/s Ajar Amar Steel Concast.
- (ii) Sh. Sital Singh, Environmental Consultant, M/s. Chandigarh Pollution Testing Laboratory.
- (iii) Sh. Sandeep Singh, Consultant, M/s. Chandigarh Pollution Testing Laboratory.

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

SEIAA perused the request of the project proponent and observed that the project was initially granted EC for expansion vide letter no. EC22B008PB174549 dated 22.01.2022.

Now, the project proponent wants to install 01 Induction Furnace of capacity 30TPH instead of 02 furnaces of capacities 10TPH & 20TPH, as per the EC granted to the industry. However, there will be no change in the production capacity of the Industry. The industry further informed that by installation of single energy efficient furnace instead of two no. furnaces, there will be substantial decrease in energy consumption, manpower and space requirement resulting in reduction of the environmental load of the project.

After detailed deliberation, SEIAA decided to accept the request of Industry and grant amendment in Environmental Clearance under EIA notification dated 14.09.2006 as per following details:

Sr. No.	Description	As per earlier EC	Proposal	After amendment
1.	Production capacity	Steel Billets, Ingots, Hand tool flats, Industrial round - 1,15,500 TPA	No Change	Steel Billets, Ingots, Hand tool flats, Industrial round - 1,15,500 TPA
2.	Machinery	Induction Furnaces- 2 No. (10 TPH & 20 TPH capacity) Rolling Mill- 1 No. (15 TPH) CCM- 01 No.	Induction Furnaces- 1 No. (30 TPH capacity)	Induction Furnaces- 1 No. (30 TPH capacity) Rolling Mill- 1 No. (15 TPH) CCM- 01 No.
3.	Project Cost (in Cr)	23.4514	No Change	23.4514
4.	Area	15,909 sqm	No Change	15,909 sqm

**Item No. 229.04: Application for amendment in Environmental Clearance for manufacturing of steel Billets/Ingots and rolled /Flats at Village Harian, P.O. Uppal, Tehsil Koom Kalan, Machhiwara Road, District Ludhiana, Punjab by M/s Aarti Steel Limited (Proposal No. SIA/PB/IND/294799/2022).**

The industry is an existing unit and was granted Consent to Operate under the provisions of the Water (Prevention & Control of Pollution) Act, 1974 and Air (Prevention & Control of Pollution) Act, 1981 which are valid till 30.09.2026. The consents have been granted for manufacturing of rolled and flat products @ 374 MTD and Ingots/Billets @ 73.6 MTD.

The industry was granted Environmental Clearance for expansion vide SEIAA letter dated 12.05.2022 for increase in the production capacity from 1,40,000 TPA of steel Billets/Ingots and rolled /Flats to 2,90,500TPA of steel Billets/Ingots and rolled /Flats at Village Harian, P.O. Uppal, Tehsil Koom Kalan, Machhiwara Road, District Ludhiana, Punjab. The said Environmental Clearance was granted for installation of 3 No. of induction furnaces of capacity 8 TPH, 2X25 TPH, 1 CCM and 1 LRF of capacity 30 TPH. The project is covered under category B1 and activity 3(a) as per the EIA notification dated 14.09.2006.

The industry has submitted application for amendment in Environmental Clearance and submitted Form-4 and compliance of conditions of earlier Environmental Clearance granted to the industry. The project cost for amendment has been revised from Rs. 204.04 Crore to 224.04 Crore. The industry has deposited Rs. 2,00,000/- UTR No. SBINR52022101409661698 dated 14.10.2022 as checked & verified by the supporting staff of SEIAA.

As per application, the industry has proposed to install 02 Induction Furnace of capacity 8 TPH and 15 TPH and Electric Arc Furnace of capacity 35 TPH instead of 03 furnaces of capacities 8 TPH & 2X25 TPH. There will be no alteration in the production capacity of the steel Billets/Ingots and rolled /Flats of 2,90,500 TPA.

#### **1.0 Deliberations during 234<sup>th</sup> meeting of SEAC held on 12.12.2022.**

The meeting was attended by the following:

- (i) Sh. Krishan Kumar, General Manager M/s Aarti Steel Limited.
- (ii) Sh. Sital Singh, Environmental Consultant, M/s. Chandigarh Pollution Testing Laboratory.
- (iii) Sh. Sandeep Singh, Consultant, M/s. Chandigarh Pollution Testing Laboratory.

During meeting, the Committee asked the industry to submit the proposal for containment of the emissions generated due to operation of electric furnace. In this regard, the Project Proponent submitted an undertaking dated 12.12.2022 to the effect that fourth hole in the lid of the Arc furnace fume extraction system will be provided, which will be attached with spark arrester followed by bag filter house as APCD. Further, the fume extraction system and bag filter house including spark arrester will be designed through PSCST. The Committee noted the same.

After deliberations, the Committee decided to forward the case to the SEIAA with recommendations to grant amendment in Environmental Clearance under EIA notification dated 14.09.2006.

## 2.0 Deliberations during 229<sup>th</sup> meeting of SEIAA held on 03.01.2023.

The case was considered by SEIAA in its 229<sup>th</sup> meeting held on 03.01.2023 which was attended by the following:

- (i) Sh. Vipin Kumar Verma, General Manager M/s Aarti Steel Limited.
- (ii) Sh. Sital Singh, Environmental Consultant, M/s. Chandigarh Pollution Testing Laboratory.
- (iii) Sh. Sandeep Singh, Consultant, M/s. Chandigarh Pollution Testing Laboratory.

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

SEIAA perused the request of the project proponent and observed that the project proponent was initially granted EC vide letter no. EC22B008PB199921 dated 12.05.2022.

SEIAA observed that earlier the EC was granted to the Industry for production of steel billets/ingots and rolls/flats to tune of 2,90,500 TPA with the installation of 3 No. of induction furnaces of capacity 8 TPH, 2X25 TPH, 1 CCM and 1 LRF of capacity 30 TPH. Now, the industry has proposed to install 02 Induction Furnaces of capacity 8 TPH and 15 TPH and an Electric Arc Furnace of capacity 35 TPH. As per the presentation submitted by the Environmental Consultant of the project proponent, there will be decrease in pollution load due to the change in the type and capacity of the furnaces. Further, the industry has proposed to switch over to PNG instead of furnace oil in near future which will further reduce the pollution load.

After detailed deliberations, SEIAA decided to accept the recommendation of SEAC and grant amendment in Environmental Clearance under EIA notification dated 14.09.2006 as per following details:

Sr. No.	Description	As per earlier EC	Proposal	After amendment
1.	Production capacity	Steel Billets, Rolled/Flats Products- 2,90,000 TPA	No Change	Steel Billets, Rolled/Flats Products- 2,90,000 TPA
2.	Machinery	Induction Furnaces- 3 No. (8 TPH & 2 x 25 TPH capacity) Ladle Refining Furnace- 1 No. (30 TPH capacity) Rolling Mill- 01 No. CCM- 01 No.	Induction Furnaces- 2 No. (8 TPH & 15 TPH capacity) Electric Arc Furnace-1 No. (35 TPH capacity)	Induction Furnaces- 2 No. (8 TPH & 15 TPH capacity) Electric Arc Furnace-1 No. (35 TPH capacity) Ladle Refining Furnace- 1 No. (30 TPH capacity) Rolling Mill- 01 No.

		VD-01 No.		CCM- 01 No. VD-01 No.
3.	Raw Material	3,19,550 TPA	3,30,338 TPA	3,30,338 TPA
4	Project Cost	Rs.204.04 Crore	Rs.20 Crore	Rs.224.04 Crore
5.	Area	92,613 sqm	No Change	92,613 sqm

**Additional Condition:**

1. The industry shall provide fourth hole in the lid of the Arc furnace fume extraction system which will be attached with spark arrester followed by bag filter house as APCD. Further, the fume extraction system and bag filter house including spark arrester shall be adequately designed to contain the Air Pollutants within the permissible limits.

**Item No. 229.07: Application for Environmental Clearance under EIA notification dated 14.09.2006 for the establishment of New Steel manufacturing unit for production of structural steel (round, coil, wire rode, TMT bars, square, flats and profile) by installing 2 no. of rolling mills having capacity 20TPH each or 300TPD each at Village Barmalipur and Jaspalon, Doraha, Khanna Road, Tehsil Khanna, District Ludhiana by M/s Arora Iron & Steel Rolling Mills Pvt. Ltd. (Proposal No. SIA/PB/IND1/405113/2022).**

The industry is a new steel rolling mill which is proposed to be established in the revenue state of village Barmalipur & Jaspalon, Doraha, Khanna Road, Tehsil Khanna in an area of 31746 sqm. at an estimated cost of Rs. 47.8 Cr.

The industry has obtained consent to establish under the provisions of the Water Act, 1974 and Air Act 1991 from Punjab Pollution Control Board on 19.05.2022 which is valid up to 18.05.2023 for production of 2,10,000TPA of MS rounds/bars/flats/squares.

The industry was granted terms of reference (ToR) for carrying out EIA study for obtaining environmental clearance vide SEIAA Letter No. SEIAA/MS/2022/911 dated 08.09.2022.

The industry has submitted application form along with final EIA Report after incorporating the compliance of ToR issued to the industry and other relevant documents. The industry has deposited Rs. 1,19,500/- vide UTR No. N209222054593279 dated 28.07.2022 and remaining Rs. 3,58,500/- vide UTR No. N28622216208929 dated 13.10.2022. The adequacy of the fee deposited by the Project Proponent has been checked and verified by the supporting staff SEIAA.

#### **1.0 Deliberations during 232<sup>nd</sup> meeting of SEAC held on 14.11.2022.**

The meeting was attended by the following:

- (i) Sh. Raminderpal Singh, MD, M/s Arora Iron & Steel Rolling Mills Pvt. Ltd.
- (ii) Sh. Sital Singh, Environmental Consultant, M/s. Chandigarh Pollution Testing Laboratory.
- (iii) Sh. Sandeep Singh, Environmental Consultant, M/s. Chandigarh Pollution Testing Laboratory.

SEAC allowed the Environmental Consultant of the project proponent to present the salient features of the proposal as under:

<b>Sr. No.</b>	<b>Description</b>	<b>Details</b>
<b>1</b>	<b>Basic Details</b>	
1.1	Name of Project & Project Proponent:	M/s Arora Iron and Steel Rolling Mills (P) Limited (Unit-II) Sh. Raminder Pal Singh Dua Director
1.2	Proposal:	<b>SIA/PB/IND1/404794/2022</b>
1.3	Location of Industry:	Village-Barmalipur and Jaspalon, Tehsil- Payal road, Khanna, District- Ludhiana, Punjab

1.4	Details of Land area & Built up area:	Total land area – 31746Sqm
1.5	Category under EIA notification dated 14.09.2006	B1
1.6	Cost of the project	Rs. 47.8 Crores
1.7	Compliance of Public Hearing Proceedings	NA
<b>2.</b>	<b>Site Suitability Characteristics</b>	
2.1	Whether site of the industry is suitable as per the provisions of Master Plan:	The site of the industry falls in industrial area as per the Master Plan Khanna.
2.2	Whether supporting document submitted in favour of statement at 2.1, details thereof: (CLU/building plan approval status)	A copy of certificate of in-principle approval in the name of the industry issued by District Industry Centre, Ludhiana vide Memo no. 613 dated 02.03.2022 submitted.
<b>3</b>	<b>Forest, Wildlife and Green Area</b>	
3.1	Whether the industry required clearance under the provisions of Forest Conservation Act 1980 or not:	The industry has submitted an undertaking to the effect that no area is involved under Forest land. However, the Project Proponent has submitted the receipt of the application filed for diversion of 0.0162ha of forest land for approach road to M/s Arora Iron & Steel Rolling Mills Pvt. Ltd.
3.2	Whether the industry required clearance under the provisions of Punjab Land Preservation Act (PLPA) 1900:	No land area of the industry falls within the provisions of Punjab Land Preservation Act (PLPA) 1900. Undertaking for the same submitted.
3.3	Whether industry required clearance under the provisions of Wildlife Protection Act 1972 or not:	No wildlife area is involved in the vicinity or study area of the project site. Undertaking for the same submitted.
3.4	Distance of the industry from the Critically Polluted Area.	Critical Polluted area of Ludhiana is 20km away from the project site.
3.5	Whether the industry falls within the influence of Eco-Sensitive Zone or not.	Not applicable

	<i>(Specify the distance from the nearest Eco sensitive zone)</i>													
3.6	Green area requirement and proposed No. of trees:	Green area: 11000 sqm Proposed number of trees- 1650												
<b>4.</b>	<b>Configuration &amp; Population</b>													
4.1	Proposal & Configuration	<table border="1"> <thead> <tr> <th>Sr. No.</th> <th>Equipment's / Machinery</th> <th>Proposed</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Rolling Mill with independent reverberatory furnace</td> <td>2X20TPH</td> <td>2X20TPH</td> </tr> <tr> <td>2.</td> <td>D.G. Sets (03 Nos.)</td> <td>62.5KVA, 125KVA, 250KVA</td> <td>62.5KVA, 125KVA, 250KVA</td> </tr> </tbody> </table>	Sr. No.	Equipment's / Machinery	Proposed	Total	1.	Rolling Mill with independent reverberatory furnace	2X20TPH	2X20TPH	2.	D.G. Sets (03 Nos.)	62.5KVA, 125KVA, 250KVA	62.5KVA, 125KVA, 250KVA
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2.	D.G. Sets (03 Nos.)	62.5KVA, 125KVA, 250KVA	62.5KVA, 125KVA, 250KVA											
4.2	Population details	Employment- 105												
<b>5</b>	<b>Water</b>													
5.1	Total fresh water requirement:	Total Water requirement- 36.2 KLD Domestic water demand- 4.2 KLD												
5.2	Source:	Tubewell												
5.3	Whether Permission obtained for abstraction/supply of the fresh water from the Competent Authority (Y/N) <i>Details thereof</i>	Permission for abstraction of 40 KLD groundwater from PWRDA obtained.												
5.4	Total water requirement for domestic purpose:	Total Water requirement for domestic purpose – 4.2 KLD												
5.4.1	<i>Total wastewater generation:</i>	Effluent Generation-3.4 KLD												
5.4.2	<i>Treatment methodology for domestic wastewater: (STP capacity, technology &amp; components)</i>	Treatment for domestic wastewater- STP of 10 KLD and used for plantation												
5.5	Total water requirement for industrial purpose:	NA												
5.5.1	<i>Total effluent generation:</i>	NA												

5.5.2	Treatment methodology for industrial wastewater: (ETP capacity, technology & components)	NA								
5.6	Details of utilization of treated wastewater into green area in summer, winter and rainy season:	Treated waste water from STP will be used for plantation within the industrial premises								
5.7	Utilization/Disposal of excess treated wastewater.	No excess treated wastewater shall be generated.								
5.8	Cumulative Details:									
	<table border="1"> <thead> <tr> <th>Sr. No.</th> <th>Total water Requirement</th> <th>Domestic water</th> <th>Total wastewater generated</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>36.2 KLD</td> <td>4.2 KLD</td> <td>32 KLD</td> </tr> </tbody> </table>		Sr. No.	Total water Requirement	Domestic water	Total wastewater generated	1.	36.2 KLD	4.2 KLD	32 KLD
Sr. No.	Total water Requirement	Domestic water	Total wastewater generated							
1.	36.2 KLD	4.2 KLD	32 KLD							
5.9	Rain water harvesting proposal:	<p><b>Outside:</b> The industrial unit has adopted one village pond for rain water harvesting at Village Bulara. The total recharge potential will be 36421.69m<sup>3</sup>/annum. NOC obtained from Sarpanch is submitted.</p> <p><b>Inside:</b> - A tank of 12 KLD is proposed for carrying out rain water harvesting within the industry by collecting water from roof top of the project site.</p>								
6	<b>Air</b>									
6.1	Details of Air Polluting machinery:	D.G. set, Rolling mill								
6.2	Measures to be adopted to contain particulate emission/Air Pollution	D.G. Set: - Canopy equipped DG set with adequate height will be installed Rolling Mill: - Alkali scrubber will be installed								
7	<b>Waste Management</b>									
7.1	Total quantity of solid waste generation	Scrap- 18.15 TPD.								
7.2	Details of management and disposal of solid waste (Mechanical Composter/Compost pits)	Will be sold to open market								
7.3	Details of management of Hazardous Waste.	APCD Dust- 0.0024TPD will be sent to TSDF site, Nimbua, Dera Bassi for final disposal.								
8	<b>Energy Saving &amp; EMP</b>									
8.1	Power Consumption:	7000 KW to be met through PSPCL								



8.2	Energy saving measures:	LEDs will be used			
8.3	Details of EMP:	<b>S. No.</b>	<b>Title</b>	<b>Capital Cost Rs. Lakh</b>	<b>Recurring Cost Rs. Lakh</b>
		1	Pollution Control during construction stage	--	1.0
		2	Air Pollution Control (Installation of APCD)	10.0	5.0
		3	Water Pollution Control (Installation of STP @ 10 KLD)	20.0	5.0
		4	Green Belt development	16.50	16.50 (for 3 years)
		5	Noise Pollution Control	3.0	--
		5	Solid/ Hazardous Waste Management	3.0	1.0
		6	Environment Monitoring and Management	3.0	0.50
		7	Occupational Health, Safety and Risk Management	5.0	1.0
		8	RWH	5.0	0.50
		9	CER Activities	15.0	-
		9	Miscellaneous	1.0	---
			<b>TOTAL</b>	<b>81.5 lakh</b>	<b>30.5 Lakh</b>
		8.4	Details of CER:	<b>S. No.</b>	<b>Activities</b>
1.	Rejuvenation of Village Pond- Bulara			15.0	
	<b>Total</b>			<b>15.0</b>	

During meeting, the Project Proponent apprised the Committee that the industry shall install separate APCD comprising of alkali scrubber with adequate stack height for each rolling mill as per the feasibility report of Punjab State Council for Science & Technology.

The Committee was satisfied with the presentation given by the industry and after deliberations, decided to award '**Silver Grading**' to the project proposal under category B1, Activity 3(a) and to forward the application to SEIAA for the establishment of New Steel

manufacturing unit for production of structural steel (round, coil, wire rode, TMT bars, square, flats and profile) by installing 2 no. of rolling mills having capacity 20TPH each or 300TPD each at Village Barmalipur and Jaspalon, Doraha, Khanna Road, Tehsil Khanna, District Ludhiana subject to the following conditions as under:-

**i. Statutory compliance**

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

**ii. Air quality monitoring and preservation**

- i. The project proponent shall install 24x7 continuous emission monitoring system at the inlet as well as at the outlet (stack) of each APCD to monitor the SPM concentration with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R 277 (E) dated 31<sup>st</sup> March, 2012 (applicable to IF/EAF) as amended from time to

time; S.O. 3305 (E) dated 7<sup>th</sup> December, 2015 (Thermal Power Plants) as amended from time to time) and connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.

- ii. The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through laboratories recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- iii. The project proponent shall install a system to carry out Manual Ambient Air Quality monitoring for parameters relevant to the main pollutants released (e.g. PM<sub>10</sub> and PM<sub>2.5</sub> in reference to PM emission, and SO<sub>2</sub> and NO<sub>x</sub> in reference to SO<sub>2</sub> and NO<sub>x</sub> emissions) within and outside the plant area (at least at four locations one within and three outside the plant area at an angle of 120° each), covering upwind and downwind directions.
- iv. The project proponent shall submit monthly summary report of continuous stack emission and air quality monitoring and results of manual stack monitoring and manual monitoring of air quality/ fugitive emissions to the Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.
- v. Appropriate Air Pollution Control (APC) system shall be provided for all the dust-generating points including fugitive dust from all vulnerable sources.
- vi. The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.
- vii. Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, etc. regularly.
- viii. Recycle and reuse of iron ore fines, coal and coke fines, lime fines and such other fines collected in the pollution control devices and vacuum cleaning devices in the process after briquetting/ agglomeration should be ensured.
- ix. The project proponent shall use leak-proof trucks/dumpers carrying coal and other raw materials and cover them with tarpaulin.
- x. The project proponent shall provide covered sheds for raw materials like scrap and sponge iron, lump ore, coke, coal, etc.
- xi. The project proponent shall provide primary and secondary fume extraction system at all melting furnaces.
- xii. Design and implementation of the ventilation system for adequate air changes as per the ACGIH document for all tunnels, motor houses, Oil Cellars should be ensured.
- iii. **Water quality monitoring and preservation**

- i. The project proponent shall monitor regularly ground water quality at least twice a year (pre and post-monsoon) at sufficient numbers of piezometers/ sampling wells in the plant and adjacent areas through labs recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories.
- ii. Garland drains and collection pits shall be provided for each stock pile to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run off.
- iii. The project proponent shall practice rainwater harvesting to the maximum possible extent. For this, 1 no. of pond at Village Bulara having recharge potential of volume @ 36421.69 cubic meter shall be adopted to recharge the water. As an additional safety measure, the stream carrying waste water of the village shall be diverted in one corner of Phytoid plants trench (designed based on the technology developed by CSIR-NEERI's) divided into different parts, the overflow of each chamber shall be allowed to enter into another chamber which will ultimately lead to the purification of water and collected into the pond to avoid any contamination of ground water aquifer. Pond water will percolate through natural strata (without injection) to augment the ground water and remaining water shall be used for irrigation purposes by pumping method in the nearby fields.
- iv. The project proponent shall make efforts to minimize water consumption in the steel plant complex by segregation of used water, practicing cascade use and by recycling treated water.

**iv. Noise monitoring and prevention**

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

**v. Energy Conservation measures**

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

**vi. Waste management**

- i. Used refractories shall be recycled as far as possible.
- ii. 100% utilization of fly ash shall be ensured. All the fly ash shall be provided to cement and brick manufacturers for further utilization and Memorandum of Understanding in this regard shall be submitted to the Ministry's Regional Office.
- iii. The waste oil, grease and other hazardous waste shall be disposed of as per the Hazardous & Other waste (Management & Transboundary Movement) Rules, 2016.
- iv. Kitchen waste shall be composted or converted to biogas for further use.

**vii. Green Belt**

- i. Green belt shall be developed in an area of 11000 Sqm (equal to 33 % of the plant area) with native tree species in accordance with SEIAA guidelines. Total 1650 tall saplings (minimum 6 feet height) of indigenous species such as Neem, Drek, Kusum, Kadam, Banyan, Peepal, Amaltas, Arjun, Chakarasia etc will be planted.

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

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

**ix. Environment Management Plan**

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

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

- ii. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of Senior Executive, who will directly report to the head of the organization.
- iii. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and will not be diverted for any other purpose. The project proponent shall spend a minimum amount of Rs 93.5 Lakhs towards the capital cost and Rs 45.5 Lakhs/annum towards recurring cost including the environmental monitoring cost for the implementation of EMP as proposed in EMP plan as under:

Sr. No.	Title	Capital Cost Rs. Lakh	Recurring Cost Rs. Lakh
1	Pollution Control during construction stage	2	1.0
2	Air Pollution Control (Installation of APCD)	30.0	20.0
3	Water Pollution Control (Installation of STP @ 10 KLD)	10.0	5.0
4	Green Belt development	16.50	16.50 (for 3 years)
5	Noise Pollution Control	3.0	--
5	Solid/ Hazardous Waste Management	3.0	1.0
6	Environment Monitoring and Management	3.0	0.50
7	Occupational Health, Safety and Risk Management	5.0	1.0
8	RWH	5.0	0.50
9	CER Activities	15.0	-
9	Miscellaneous	1.0	---
	<b>TOTAL</b>	<b>93.5 lakh</b>	<b>45.5 Lakh</b>

- iv. Year-wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six-Monthly Compliance Report along with the Six-Monthly Compliance Report.
- v. Self-environmental audit shall be conducted annually. Every three years third-party environmental audit shall be carried out.
- vi. All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the plants shall be implemented.

**x. Validity**

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

**xi. Miscellaneous**

- i. The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition, this shall also be displayed in the project proponent's website permanently.
- ii. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
- iii. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
- iv. The project proponent shall monitor the criteria pollutants level namely; PM<sub>10</sub>, SO<sub>2</sub>, NO<sub>x</sub> (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.
- v. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the Ministry of Environment, Forest and Climate Change at environment clearance portal.
- vi. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
- vii. The project proponent shall inform the Regional Office of the Ministry and PPCB, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
- viii. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
- ix. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the SEAC and SEIAA.

- x. No further expansion or modifications in the project shall be carried out other than those permitted in this EC without prior approval of SEIAA. In case of deviation or alterations in the project proposal from those submitted to the Ministry/SEIAA for clearance, a fresh reference shall be made to the Ministry/SEIAA, as applicable, to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
- xi. The Regional Office, MoEF&CC, Chandigarh, Punjab Pollution Control Board and SEIAA/ SEAC members nominated for the purpose shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer(s) entrusted with this monitoring by furnishing the requisite data/information/monitoring reports..

## **XII. Additional Conditions:**

- i. The Project Proponent shall develop green belt in 33% of the total land area with native tree species (having canopy type structure and especially trees, and not grass) before the completion of the project. The greenbelt shall inter alia cover the entire periphery of the unit. The canopy trees shall also be planted around the parking area to provide shade to the parked vehicles.
- ii. The project proponent shall plant tall saplings having height not less than 6 ft. The proponent shall make adequate provision of funds for raising the plantation and subsequent maintenance for three years in the Environment Management Plan.
- iii. The project proponent shall submit the progress of developing the green belt in the six-monthly compliance report.
- iv. The Project Proponent shall install online monitoring system at inlet as well as at the outlet of each APCD for monitoring SPM.
- v. The Project Proponent shall submit compliance of the action plan proposed to address the public hearing issues along with the six-monthly compliance report of EC condition on Parivesh portal.

### **2.0 Deliberations during 222<sup>nd</sup> meeting of SEIAA held on 24.11.2022**

The case was considered by SEIAA in 222<sup>nd</sup> meeting held on 24.11.2022 which was attended by the following:

- (i) Sh. Raminderpal Singh, MD, M/s Arora Iron & Steel Rolling Mills Pvt. Ltd.
- (ii) Sh. Sital Singh, Environmental Consultant, M/s. Chandigarh Pollution Testing Laboratory.
- (iii) Sh. Sandeep Singh and Er. S.S. Matharu, Environmental Consultant, M/s. Chandigarh Pollution Testing Laboratory.



Environmental Consultant 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 project proponent had not obtained Stage-I Forest Clearance under the Forest Conservation Act (FCA), 1980, which is a mandatory requirement in light of the judgement of the Hon'ble Supreme Court in W.P (C) No. 202 of 1995 and directions of the MOEF&CC. To this observation of SEIAA, the project proponent informed that they had already applied for obtaining Stage-I clearance under the said Act and sought some time to submit the same to SEIAA.

After deliberations, SEIAA decided to accept the request of the project proponent and defer the case to the next meeting subject to receiving of Stage-I clearance of the project under the Forest Conservation Act, 1980.

### **3.0 Deliberations during 225<sup>th</sup> meeting of SEIAA held on 13.12.2022**

The case was considered by SEIAA in 225<sup>th</sup> meeting held on 13.12.2022 which was attended by the following:

- (i) Sh. Raminderpal Singh, MD, M/s Arora Iron & Steel Rolling Mills Pvt. Ltd.
- (ii) Sh. Sital Singh, Environmental Consultant, M/s. Chandigarh Pollution Testing Laboratory.

SEIAA was apprised as under:

- i. The project proponent has submitted a fresh request to consider the case of the industry to grant EC subject to the condition that the industry shall obtain Stage-1 Forest Clearance before 19.07.2023.
- ii. A letter has been received from the Chief Environmental Engineer (PBIP), vide letter no. PBIP/I/473103/2022 dated 12.12.2022 vide which the representation submitted by the Industry to the PBIP has been forwarded requesting clarification as to whether the said Industry is to be considered as an existing unit or new unit in light of the MoEF&CC Notification dated 20.07.2022

SEIAA observed that as already decided by SEIAA in its 222<sup>nd</sup> meeting held on 24.12.2022, EC cannot be granted till Stage-I Forest Clearance of the project has been obtained under the Forest Conservation Act, 1980. The same was conveyed to the project proponent and the Environmental Consultant who appeared before the Authority.

SEIAA further perused the representation submitted by the Industry to the PBIP. SEIAA observed that the industry was granted Consent to Establish (CTE) vide ID No. 021LDH1207172 dated 19.05.2022 by PPCB. After obtaining CTE the industry started civil works and procurement of machinery. The industry thereafter applied for obtaining Consent to Operate (CTO) under the Water Act, 1974 and Air Act, 1981.

In the meanwhile, the MoEF&CC, Govt. of India issued Notification dated 20.07.2022. The relevant part of the said notification is reproduced as under:

*“Therefore, in exercise of the powers conferred by section 3 of the Environment (Protection) Act, 1986 (29 of 1986), the Central Government hereby directs that all the standalone re-rolling units or cold rolling units, which are in existence and in operation as on the date of this notification, with valid Consent to Establish (CTE) and Consent to Operate (CTO) from the concerned State Pollution Control Board or the Union territory Pollution Control Committee, as the case may be, shall apply online for grant of Terms of Reference (ToR) followed by Environment Clearance and the said units shall be granted Standard Terms of Reference as per item 3(a) of the said notification and shall be exempted from the requirement of public consultation:*

*Provided that the application for the grant of ToR shall be made within a period of one year from the date of this notification.”*

The Industry was issued Terms of Reference vide Memo No. SEIAA/MS/2022/911 dated 08.09.2022 and has already submitted the EIA report based on the TORs issued to it along with application for grant of EC. SEAC has appraised the project and has recommended to SEIAA that EC may be granted. However, SEIAA has deferred consideration of the proposal for grant of EC till Stage 1 clearance under FCA, 1980, is obtained.

SEIAA observed that prior to the issuance of the MOEF&CC notification dated 20.07.2022, standalone re-rolling and cold rolling mills were not required to obtain Environmental Clearance. The said Notification also permits existing units with valid CTEs and CTOs to continue uninterrupted operations subject to the condition that they will submit applications for grant of TOR by 19.07.2023 followed by grant of ECs. Further, the industry has already obtained Consent to Establish from the PPCB on 19.05.2022 i.e. prior to issue of the said notification and has incurred substantial expenditure on civil works and procurement of Machinery etc. Since the industry had started construction and other procurement activities before the issuance of said notification and has already been granted TORs and as their case has already been recommended for grant of EC by SEAC, it is far better placed than a large number of existing similar units which are in operation and have not yet even submitted their applications for the grant of TOR. SEIAA also found merit in the representation of the project proponent that they had at no stage violated any existing environmental laws and the anomalous situation had arisen only because OM dated 20.07.2022 was issued subsequent to grant of CTE on 19.05.2022. They had incurred considerable expenditure on the Project and would suffer heavy losses for no fault of theirs if CTO was not granted on account of subsequent issue of OM dated 20.07.2022.

In light of the foregoing and after detailed deliberations, SEIAA decided that clarification be issued to the Invest Punjab that the industry may be considered as an existing industry so far as the provisions of notification dated 20.07.2022 are concerned. Further, the grant of Consent to Operate under the Water Act, 1974 and Air Act, 1981 to the industry upto 19.07.2023 may be considered on merits by PPCB subject to the condition that the industry shall obtain Environmental Clearance under the EIA Notification dated 14.09.2006 before

20.07.2023. In case the EC is not granted by this date, the case will be reviewed and decided as per then obtaining circumstances and directions of the MOEF&CC.

The decision of SEIAA was conveyed to the PBIP vide letter no. 1308 dated 23.12.2022.

**2.0 Deliberations during 229<sup>th</sup> meeting of SEIAA held on 03.01.2023.**

The case was considered by SEIAA in its 229<sup>th</sup> meeting held on 03.01.2023.

SEIAA was apprised that no reply has been received from the project proponent on the query raised by SEIAA in its 222<sup>nd</sup> meeting held on 24.11.2022 regarding approval under the FCA, 1980. This case is, therefore, being reflected as "pending" in the account of SEIAA on the Parivesh portal.

After deliberations, SEIAA decided that the case be deferred and ADS be raised through Parivesh Portal to the Industry as under:

The Project Proponent is required to obtain Stage-I Forest Clearance under the Forest Conservation Act (FCA), 1980, which is a mandatory requirement in light of the judgement of the Hon'ble Supreme Court in W.P (C) No. 202 of 1995 and directions of the MOEF&CC.

Meeting ended with a vote of thanks to the Chair.

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