

Proceedings of the 208th meeting of State Environment Impact Assessment Authority (SEIAA) held on 23.06.2022 in the Conference Hall no. 1 (Room No 311), 2nd Floor of MGSIPA at 10:00 AM, MGSIPA Complex, Sector-26, Chandigarh through hybrid mode.

The meeting was attended by the following members:

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

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

Item No. 01: Confirmation of the proceedings of the 206th and 207th meetings of the State Environment Impact Assessment Authority

SEIAA was apprised that the proceedings of the 206th and 207th meetings of the State Environment Impact Assessment Authority (SEIAA) held on 08.06.2022 and 15.06.2022 have been prepared and the same were circulated through e-mail on 14.06.2022 and 19.06.2022 respectively. No observation on the proceedings of the 206th meeting was received from any of the members. However, an observation regarding the change of CER activities has been made in respect of item no 207.05 of the 207th meeting which was again circulated through email on 21.06.2022.

After taking approval from the Competent Authority, the said proceedings have been uploaded on the Parivesh Portal on 17.06.2022 and 20.06.2022 respectively. As such, the proceedings of the 206th and 207th meeting of SEIAA as uploaded on the Parivesh Portal and circulated on 14.06.2022 and 21.06.2022 stand confirmed.

Item No. 02: Action on the proceedings of the 206th and 207th meetings of the State Environment Impact Assessment Authority.

SEIAA was apprised that action on the proceedings of the 206th and 207th meeting of the State Environment Impact Assessment Authority (SEIAA) held on 08.06.2022 and 15.06.2022 respectively is being taken and the action taken report of the same shall be placed in the next meeting of SEIAA scheduled on 05.07.2022. SEIAA took note of the above.

Item No 208.01: Application for obtaining expansion in Environmental Clearance under EIA notification dated 14.09.2006 for the expansion of a Housing project namely "Lok Awas" located at Sectors 74A, SAS Nagar, Punjab, by M/s Vera Developers Private Limited (Proposal No. SIA/PB/MIS/72657/2020).

Background and salient features of the case

Earlier the project proponent was granted Environmental Clearance vide SEIAA/2020/1484 dated 03.03.2020, for the Housing project namely "Lok Awas" located at Sector 74A, SAS Nagar, Punjab. The said EC was granted for the construction of 1348 No. of flats. The plot area and the built-up of the project were 101208 sqm and 117940 sqm respectively. The project was covered under activity 8 (a) and category B2 of EIA notification dated 14.09.2006.

The project proponent has submitted an application for obtaining expansion in Environmental Clearance for the construction of a total no. of 6200 flats by increasing the land area from 101208 sqm to 146583 sqm and built-up area from 117940 sqm to 579799.51 sqm. The Project is now covered under activity 8 (b) and category B1 of the schedule appended with the EIA notification dated 14.09.2006.

The Project Proponent was issued ToR by the MoEF&CC vide letter no. 21-92/2020-IA.III dated 09.12.2020.

The project proponent has submitted Form 1, a conceptual layout plan along with the EIA report incorporated with the compliance of the Terms of References and other additional documents. The Project Proponent has also deposited the processing fee as per Govt. of Punjab notification dated 27.06.2019, amounting to Rs. 5,75,188/- through RTGS with reference no. HDFCR52022022398968540 dated 23.02.2022, as checked and verified by supporting staff SEIAA.

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

PPCB vide letter no. 901 dated 31.01.2022 has submitted a certified compliance report of the conditions of the previous Environment Clearance granted to the Project Proponent.

Punjab Pollution Control Board vide letter no. 1945 dated 22.03.2022 has sent the latest construction status report with details as under:

"Vide above referred e-mail dated 9/3/2022, it has been informed that M/s Vera Developers Pvt. Ltd. has submitted an application for obtaining Expansion in the Environmental Clearance for the group housing project namely "Lok Awas" at Section 74 -A, SAS Nagar and has requested to send the report on the following points:

- 1) *Construction status of the proposed project. Please send a clear-cut report as to whether construction has been started for the expansion part of the project except for securing the land.*
- 2) *Status of physical structures within the 500 m radius of the site including the status of industries, drain, river, eco-sensitive structures, etc.*
- 3) *Whether the site is meeting the prescribed criteria for setting up of such types of projects. Please sent clear-cut recommendations in this regard.*

The proposed site of the project was visited by an officer of the Board on 14/3/2022 and the point-wise reply to the comments sought by SEIAA are given as under:

SR. No	Tower No.	Structure of construction
1	B-1	PCC Laid, Raft Foundation under progress
2	B-2	Basement Complete, Stilt Roof slab under progress
3	B-3	Basement Roof Slab work under progress
4	C-1	Basement Roof Slab work completed
5	C-2	Excavation work completed
6	C-3	Basement Complete, Stilt Roof slab completed, 1 st -floor work under progress
7	C-4	Basement + Stilt + 9 floors structure work completed
8	C-5	Basement + Stilt Complete
9	C-6	Excavation and PCC work completed
10	C-7A	Excavation work completed
11	C-8A	Excavation work completed

2) No construction work has been started in the extension part where Environmental Clearance is yet to be obtained, only one RMC batching plant has been set up at this site with an inbuilt dust collector and excavation work has been completed in the location of the tower C-7A & C-8A. The project proponent has provided silos for storage and transport of the cement and fly ash in the weighing chambers for making concrete. The Project proponent has provided water sprinklers to control dust emissions near the RMC site. One no. borewell has been done for extraction of groundwater for use in batching plant and a water meter has been provided. The project proponent is using the RMC from this plant as well as procuring the RMC from outside also.

3 With the expansion, the site of the project will just touch the boundary of the site of Common Bio-Medical Waste Treatment Facility M/s Rainbow Environments Pvt. Ltd., Balyali, Mohali. No. MAH industry/cement plant/ grinding unit/ rice sheller/saila plant/ stone crushing/ screening cum washing unit/ hot mix plant/ brick kiln within a radius of 500 m from the boundary of the proposed site of the project. One Air polluting industry M/s Rainbow Environments Pvt. Ltd.,

Balyali, Mohali is located adjoining to the proposed site of the expansion part (Tower No. C3A & C3B). Therefore, the site of the project is not conforming to the sitting guidelines laid down by the Govt. of Punjab, Department of Science and Technology and Environment vide order dated 25/07/2008 as amended on 30/10/2009.

It is further intimated that the proposed site is situated within the jurisdiction of M.C, Mohali/ GMADA. However, the STP installed by GMADA authorities is not adequate to cater to the quantity of additional effluent of this project. However, the up-gradation of existing STP installed by GMADA authorities is yet to be made.”

1.0 Deliberations during 218th meeting of SEAC held on 11.04.2022.

The meeting was attended by the following:

- (i) Mrs. Rajni Mehra, CEO, M/s Vera Developers Private Limited.
- (ii) Sh. Sital Singh, Environmental Consultant, M/s. Chandigarh Pollution Testing Laboratory.
- (iii) Sh. Deepak Gupta, Environmental Advisor of the Project Proponent.

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

Sr. No	Description	Details			
1	Basic Details				
1.1	Name of Project & Project Proponent:	“Lok Awas” & M/s Vera Developers Private Limited			
1.2	Proposal:	Expansion of the residential group housing project			
1.3	Location of Project:	Sectors 74A, SAS Nagar			
1.4	Details of Land area & Built-up area:	Description	Existing	Proposed	Total
		Land area	101208 sqm	45375 sqm	146583
		Built-up area	117940 sqm	461859.51 sqm	579799.51 sqm
1.5	Category under EIA notification dated 14.09.2006	Activity 8 (b) and Category B1			
1.6	Cost of the project	562 Crores including the cost of land as Rs. 29.33 Crore and the cost of Construction as Rs. 532.67 Crore.			
2.	Site Suitability Characteristics				
2.1	Whether the project is suitable as per the provisions of the Master Plan:	Submitted			

2.2	Whether supporting document submitted in favour of statement at 2.1, details thereof: (CLU/building plan approval status)	Change of Land Use for a total land area of 25 acres (101175 sq.m) in the name of M/s Vera Developers Private Limited has been obtained from STP, Department of Town & Country Planning, Punjab vide memo no. 1369-STP (S)/55-11 (GR) dated 15.06.2018.																																																								
3	Forest, Wildlife, and Green Area																																																									
3.1	Whether the project required clearance under the provisions of the Forest Conservation Act 1980 or not:	No, a self-declaration to the effect that no land covered under the Forest Conservation Act 1980 is involved in the project submitted.																																																								
3.2	Whether the project required clearance under the provisions of the Punjab Land Preservation Act (PLPA) 1900.	No, a self-declaration in this regard was submitted by the Project Proponent.																																																								
3.3	Whether the project required clearance under the provisions of the Wildlife Protection Act 1972 or not:	No, a self-declaration in this regard was submitted by the Project Proponent.																																																								
3.4	Whether the project is located within the 10 Km radius of the Critically Polluted Area.	No, the site of the project is located in Sector 74A, SAS Nagar																																																								
3.5	Whether the project falls within the influence of the Eco-Sensitive Zone or not.	No, a self-declaration to the effect that the project does not fall under the Eco-sensitive zone submitted. The distance of the site of the project from Sukhna Wildlife Sanctuary was checked by this office and the same was approximately 12km.																																																								
3.6	Green area requirement and proposed No. of trees:	1. As per earlier Environmental Clearance accorded to the project, the green area proposed was 5673 sqm. 2. 38011 sqm has been proposed to be developed as a green area. 25% of the area shall be developed as per the green area. Further, the total number of trees proposed to be planted is 1850 trees.																																																								
4.	Configuration & Population																																																									
4.1	<p>Configuration The details of the building blocks along with the area, no. of unit/floor and total no. of units to be constructed as mentioned in the conceptual plan re-produced as under:</p> <table border="1"> <thead> <tr> <th>POCKET</th> <th>BLOCK</th> <th>TYPE</th> <th>AREA (SQ.MT.)</th> <th>NO. OF UNIT/FLOOR</th> <th>NO. OF FLOORS</th> <th>TOTAL NO. OF UNITS</th> </tr> </thead> <tbody> <tr> <td rowspan="8">A</td> <td>A1</td> <td>3+3</td> <td>93.6</td> <td>4</td> <td>25</td> <td>100</td> </tr> <tr> <td>A2</td> <td>3+3</td> <td>93.6</td> <td>4</td> <td>25</td> <td>100</td> </tr> <tr> <td>A3</td> <td>3+3</td> <td>93.6</td> <td>4</td> <td>25</td> <td>100</td> </tr> <tr> <td>A3/1</td> <td>3+3</td> <td>93.6</td> <td>4</td> <td>25</td> <td>100</td> </tr> <tr> <td>A3/2</td> <td>3+3</td> <td>93.6</td> <td>4</td> <td>25</td> <td>100</td> </tr> <tr> <td>P1</td> <td>3+3</td> <td>93.6</td> <td>4</td> <td>25</td> <td>100</td> </tr> <tr> <td>P2</td> <td>3+3</td> <td>93.6</td> <td>4</td> <td>25</td> <td>100</td> </tr> <tr> <td>A4</td> <td>2+2</td> <td>68.9</td> <td>12</td> <td>25</td> <td>300</td> </tr> </tbody> </table>		POCKET	BLOCK	TYPE	AREA (SQ.MT.)	NO. OF UNIT/FLOOR	NO. OF FLOORS	TOTAL NO. OF UNITS	A	A1	3+3	93.6	4	25	100	A2	3+3	93.6	4	25	100	A3	3+3	93.6	4	25	100	A3/1	3+3	93.6	4	25	100	A3/2	3+3	93.6	4	25	100	P1	3+3	93.6	4	25	100	P2	3+3	93.6	4	25	100	A4	2+2	68.9	12	25	300
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	A5	2+2	68.9	12	25	300
	A6	2+2	68.9	10	25	250
	A7	2+2	68.9	10	25	250
	A8	2+2	68.9	12	25	300
TOTAL NO. OF UNITS IN POCKET A						2100
B	B1	2+2	68.9	8	25	200
	B2	2+2	68.9	8	25	200
	B3	2+2	68.9	8	25	200
	B4	2+2	68.9	8	25	200
	B5	1+1	44.7	8	25	200
	B7	2+2	68.9	4	25	100
TOTAL NO. OF UNITS IN POCKET B						1100
C	C4	2+1	57.5	8	25	200
	C5	2+1	57.5	8	25	200
	C6	2+1	57.5	4	25	100
	C3A	2+1	57.5	8	25	200
	C3B	1+1	44.7	16	25	400
	C3	2+2	68.9	8	25	200
	C2	2+2	68.9	8	25	200
	C9	2+2	68.9	8	25	200
	C1	2+2	68.9	8	25	200
	C7A	1+1	57.5	8	25	200
	C8A	1+1	57.5	8	25	200
	C7	1+1	57.5	8	25	200
	C8	1+1	57.5	8	25	200
	C11	2+2	68.9	8	25	200
C12	2+2	68.9	4	25	100	
TOTAL NO. OF UNITS IN POCKET C						3000
GRAND TOTAL NO. OF UNITS IN THE MASTER LAYOUT						6200
D	SCO'S	SIZE IN SFT	SIZE IN SQM	NO. OF SCO'S	NO. OF FLOORS	TOTAL NO. OF SCO'S
	1-35	20' X 80'	6.096 X 24.384	35	B+G+2	105

Land area classification:

SITE CALCULATIONS			
DESCRIPTION	AREA (IN SQM)	AREA (IN ACRES)	PERCENTAGE (%)
LOK Awas Scheme Area	151358.35		
Less for Area under Revenue Roads	-4775.39		
Total Area of Scheme (In Acres)	146582.96	36.21	
Area Under Sector Roads (In Acres)	8336.71	2.06	5.69%
Area Under Internal Roads including surface parking	61877.03	15.29	42.21%
RG Area (Organised) (In Acres)	23928	5.91	16.32%
RG Area (Un Organised) (In Acres)	14083	3.48	9.61%
Total Residential Area (In Acres Excluding EWS)	30044.75	7.42	20.49%
Area Under EWS (In Acres)	2038.59	0.50	1.38%
Area Under Commercial (In Acres)	5344.09	1.32	3.64%
Area Under Substation (In Acres)	930.79	0.23	0.64%
		36.21	100%

4.2	Population details	Points	As per earlier EC	As per the fresh proposal
		No. of Flats	1348 flats @ 5 persons= 6740 persons	6200 flats @ 5 persons= 31000 persons
		No. of Shops	05 shops @ 2 persons/shop= 10 persons	35 @ 15 person/SCO= 525 persons
		Total	6750	31525
5	Water			
5.1	Total freshwater requirement:	2814 KLD		
5.2	Source:	Ground water		
5.3	Whether Permission obtained for abstraction/supply of the freshwater from the Competent Authority (Y/N)	Acknowledgment of the application submitted to PWRDA for the abstraction of ground water @ 2814 KLD submitted.		
5.4	Comparison of the total water requirement as per the earlier Environmental Clearance and afresh proposal	Points	As per earlier EC	As per the fresh proposal
		Total Water requirement	6750 persons @ 135 lpcd persons= 911 KLD (taken as 909 KLD)	31000 persons @ 135 lpcd= 4185 KLD 525 persons @ 45 lpcd = 24 KLD (24+4185) = 4209 KLD

5.5	Total wastewater generation:	3368 KLD							
5.6	Comparison of the total waste water generation as per the earlier Environmental clearance & fresh proposal	Points	As per earlier EC	As per fresh proposal					
		Total wastewater generation	909 x 0.8 = 727 KLD	4209x 0.8= 3368 KLD					
5.7	Treatment methodology: (STP capacity, technology & components)	STP of capacity 4900 KLD based on SBR shall be installed in modules of 500 KLD, 1000 KLD, 2000 KLD & 1400 KLD as per the increasing occupancy at the project site. The components of the STP to be installed shall be a collection tank, SBR reactors, clear water sump, Dual media filter & sludge drying beds.							
		Points	As per earlier EC	As per fresh proposal					
		Proposal of STP	1100 KLD capacity	4900 KLD capacity					
5.8	Treated wastewater for flushing purposes:	1395 KLD (31000 persons X 45 lpcd)							
5.9	Treated wastewater for a green area in summer, winter, and rainy seasons:	Summer- 264 KLD Winter- 86 KLD Rainy- 24 KLD							
5.10	Utilization/Disposal of excess treated wastewater.	Summer- 1709 KLD Winter- 1887 KLD Rainy- 1949 KLD The aforementioned excess treated wastewater shall be discharged into the sewer. A copy of the permission issued by GMADA vide letter no. SE(C-1)/GMADA/2019/887 dated 14.05.2019 wherein it has been mentioned that the GMADA will have no objection or allowing the project to connect the internal networks of water supply, sewerage, storm water drainage with the trunk sewer to be laid down by GMADA on the sector dividing road in due course of time.							
5.11	Cumulative Details:								
		Sr. No.	Seasons	Total water Requirement	Total wastewater generated	Treated wastewater	Flushing water requirement	Green area requirement	Into sewer
		1.	Summer	4209	3368	3368	1395	264	1709
		2.	Winter	4209	3368	3368	1395	86	1887
3.	Rainy	4209	3368	3368	1395	24	1949		
5.12	Rain water harvesting proposal:	The rainwater collected from the roof top, green area and roads& paved areas has been estimated as 60045 cum/year.							
6	Air								
6.1	Details of Air Polluting machinery:	DG sets of capacity 2x1010 KVA, 4x500 KVA and 4x240 KVA have been proposed to be installed.							

6.2	Measures to be adopted to contain particulate emission/Air Pollution	Adequate stack height shall be provided for proper dispersion of the air pollutant.																												
7	Waste Management																													
7.1	Total quantity of solid waste generation	12505 Kg/day																												
7.2	Whether a dedicated area has been earmarked for the management of the dry and wet components of the solid waste or not?	Yes, the location has been earmarked as MSW in the conceptual plan																												
7.2	Details of management and disposal of solid waste (Mechanical Composter/Compost pits)	Two no. of Mechanical Composter of capacity 300 Kg/hour each shall be installed.																												
7.3	Details of management of Hazardous Waste.	Used oil@200-500 lt/annum shall be generated and the same shall be sold out to authorized recyclers/vendors.																												
8	Energy Saving & EMP																													
8.1	Power Consumption:	24000 KW																												
8.2	Energy-saving measures:	<p>Saving measures:</p> <ul style="list-style-type: none"> Solar Light 20 No = 30 KWHD The common area (700) lights replaced with LED= 378 KWHD <p>Total Energy saved/day 30+378 = 408 KWHD</p>																												
8.3	Details of activities under Environment Management Plan:	<p>During the construction phase General Manager,Project will be responsible for the implementation of the EMP, and during the operation phase Director shall be responsible for the implementation of the EMP.</p> <p>The details of the activities to be undertaken under the rubric of the EMP are as under:</p> <table border="1"> <thead> <tr> <th>Sr. no</th> <th>Description</th> <th>Capital Cost (Rs. in Lacs)</th> <th>Recurring cost (Rs. in Lacs)</th> </tr> </thead> <tbody> <tr> <td colspan="4">Construction Phase</td> </tr> <tr> <td>1.</td> <td>Medical Cum First Aid</td> <td>1.50</td> <td>1.5</td> </tr> <tr> <td>2.</td> <td>Toilets for Sanitation System</td> <td>8.0</td> <td>3.0</td> </tr> <tr> <td>3.</td> <td>Wind breaking curtains</td> <td>15.0</td> <td>4.0</td> </tr> <tr> <td>4.</td> <td>Sprinklers for suppression of dust</td> <td>3.0</td> <td>15.0</td> </tr> <tr> <td>5.</td> <td>Sewage Treatment Plant</td> <td>850.0</td> <td>--</td> </tr> </tbody> </table>	Sr. no	Description	Capital Cost (Rs. in Lacs)	Recurring cost (Rs. in Lacs)	Construction Phase				1.	Medical Cum First Aid	1.50	1.5	2.	Toilets for Sanitation System	8.0	3.0	3.	Wind breaking curtains	15.0	4.0	4.	Sprinklers for suppression of dust	3.0	15.0	5.	Sewage Treatment Plant	850.0	--
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6.	Solid Waste Segregation & Disposal	20.0	--
7.	Green Belt including grass coverage	80.0	--
8.	RWHP	35.0	--
9.	Ambient Air Monitoring (Every Month)	--	3.0
10.	Drinking Water (Every Month)	--	3.0
11.	Noise Level Monitoring (Every Month)	--	1.0
	Total	1012.5	30.5
Operation Phase			
1.	Sewage Treatment Plant	--	12.0
2.	Solid Waste segregation & Disposal	--	25.0
3.	Green Belt including grass coverage	--	30.0
4.	RWHP	--	4.0
5.	Ambient Air Monitoring (Every 3 Months)	--	2.0
6.	Drinking Water (Every Month)	--	3.0
7.	Noise Level Monitoring (Every 3 Months)	--	0.50
8.	Treated Effluent Monitoring (6 Months)	--	0.50
	Total	--	77

During the meeting, the Committee perused the status report furnished by Punjab Pollution Control Board wherein it has been mentioned that the Air polluting industry i.e M/s Rainbow Environments Pvt. Ltd., Balyali, Mohali is located adjoining to the proposed site of the expansion

part (Tower No. C3A & C3B). Therefore, the site of the project is not conforming to the siting guidelines laid down by the Govt. of Punjab, Department of Science and Technology and Environment vide order dated 25/07/2008 as amended on 30/10/2009.

In this regard, the Project Proponent apprised the Committee that the proposed land area of the project is 36.21 acres out of which permission for Change of Land Use for the total land area of 25 acres (101175 Sqm) has been granted by the Senior Town Planner, Department of Town & Country Planning, Punjab vide memo no. 1369-STP (S)/55-11 (GR) dated 15.06.2018. Further, an application has already been submitted for obtaining CLU for the remaining land area of 11.21 acres. He further informed that the site of the project falls in sector 74A, SAS Nagar, which as per the Master Plan of SAS Nagar falls in the residential zone. The Project Proponent submitted a copy of the Master Plan of SAS Nagar indicating the location of the project site falls in the residential zone. The Committee asked the Project Proponent to either submit the permission for Change of Land Use for the additional land area of 11.21 acres or a certificate for Land Use Classification of the additional land area of 11.21 acres from the District Town Planner, SAS Nagar for the establishment of a residential complex.

The Project Proponent informed the Committee that the configuration of each building block proposed to be constructed is (Basement +Stilt + 25 floors). The Committee asked the Project Proponent as to whether she has obtained the structural stability certificate for the proposed project or not. The Project Proponent apprised the Committee that she has already obtained the said certificate which has been duly authenticated by Sh. Maqsd E Nazar, M-Tech Structures having registration no. as AM/089710/0. A copy of Structural Stability certificate has been taken on record by the Committee.

The Committee observed that the project aims to generate more than 12 Ton MSW per day including dry and wet waste as such a dedicated area is required to be provided for the management of solid waste. The Project Proponent is required to submit the solid waste management layout plan earmarking with a dedicated area for carrying out solid waste management. The activities for SWM Management shall include the installation of Mechanical Composter for the treatment of wet waste, sorting of dry waste, and maturation & drying of the wet waste after the composter.

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

1. The Project Proponent shall submit the permission for Change of Land Use for the additional land area of 11.21 acres or Certificate for Land Use Classification of the

additional land area of 11.21 acres from the District Town Planner, SAS Nagar for the establishment of a residential complex.

2. The Project Proponent shall submit the detailed solid waste management plan for the collection, treatment and disposal of 12 ton of waste per day including wet waste, dry waste, inert waste, recyclable and non-recyclable waste. Further, it will mark the required dedicated space in the layout plan for the management of solid waste.
3. The Project Proponent shall submit the clear configuration as 1/2/3 BHK to be constructed instead of 1+1, 2+2, 3+3. Similarly, the No. of floors of SCOs needs to be clearly mentioned instead of B+G+2.
4. The Project Proponent shall submit the detailed rain water harvesting proposal by indicating no. of pits to be constructed for recharging of ground water.
5. The Project Proponent shall check the population estimated for No. of Shops.
6. The Project Proponent shall use water efficient fixtures and revise the water balance accordingly.
7. The Project Proponent shall submit the details of components of land area, built-up area, No. of blocks, No. of Floors, No. of Units in each floor for the existing project for which the EC was granted and for the proposed expansion project.
8. The Project Proponent shall provide the reply for not conforming the siting guidelines laid down by Govt. of Punjab, Department of Science Technology & Environment vide order dated 25.07.2008 as amended on 30.10.2009.

2.0 Deliberations during the 221st meeting of SEAC held on 27.05.2022.

The meeting was attended by the following:

- (i) Mrs. Rajni Mehra, CEO, M/s Vera Developers Private Limited.
- (ii) Sh. Sital Singh, Environmental Consultant, M/s. Chandigarh Pollution Testing Laboratory.
- (iii) Sh. Deepak Gupta, Environmental Advisor of the Project Proponent.

The Project Proponent presented reply to the observations raised through Parivesh Portal as under:

Sr. No.	Observations	Reply
1	The Project Proponent shall submit the permission for Change of Land Use for the additional land area of 11.21 acres or Certificate for Land Use Classification of the	Application for obtaining permission for Change of Land Use has been filed. Further, as per the Mater Plan of SAS Nagar, the site of the project falls in the

	additional land area of 11.21 acres from the District Town Planner, SAS Nagar for the establishment of a residential complex.	residential zone. But as the land use classification can't be authenticated by DTP or competent authority, the URL of the master plan with Khasra Numbers on it by PUDA is mentioned below. Further, a copy of the land area, wherein the project shall be established submitted. (URL https://puda.punjab.gov.in/?q=revenue-master-plan
2	The Project Proponent shall submit the detailed solid waste management plan for the collection, treatment and disposal of 12 ton of waste per day including wet waste, dry waste, inert waste, recyclable and non-recyclable waste. Further, it will mark the required dedicated space in the layout plan for the management of solid waste.	1000 sq. yards of the land area shall be kept for management and disposal of the solid waste. The solid waste management layout plan by earmarking a dedicated area for carrying out the composting and sorting of a dry fraction of waste submitted. 2 No mechanical composter of capacity of 250 Kg per/hr shall be installed to convert the wet component of solid waste to compost and thereafter the said compost shall be utilized in the plantation area. The dry fraction of the waste shall be segregated into different fractions including paper, plastic, metal, glass, rags and inert. All these fractions of dry waste shall be stored in partition under shed area. The recyclable component of dry fraction shall be given to the authorized recyclers and inert waste shall be sent to a sanitary landfill site.
3	The Project Proponent shall submit the clear configuration as 1/2/3 BHK to be constructed instead of 1+1, 2+2, 3+3. Similarly, the No. of floors of SCOs needs to be clearly mentioned instead of B+G+2.	The details pertaining to the configuration have been rectified and elaborated as desired in the conceptual plan. A copy of the corrected conceptual plan was submitted. As per the revised conceptual plan, the Project Proponent has proposed to construct 2100 number of dwelling units under Pocket-A of type 3 BHK & 2 BHK, 1100 number of dwelling units under Pocket-B as 2 BHK & 1 BHK

		and 3000 number of dwelling units under Pocket-C as 2 BHK & 1 BHK. Further, the total number of 105 SCOs shall be constructed on the pattern of (Basement + Ground + 2).
4	The Project Proponent shall submit the detailed rainwater harvesting proposal by indicating no. of pits to be constructed for recharging of ground water.	40 rainwater harvesting each having volume of 56 KL shall be constructed for collecting the rain water and recharging the groundwater. The schematic diagram of the rainwater harvesting pit to be constructed submitted.
5	The Project Proponent shall check the population estimated for No. of Shops.	There will be total 105 SCO/shops which shall be constructed on the pattern of G+2 as such the population has been considered for 5 person per shop. The total population shall be 525 for shops.
6	The Project Proponent shall use water efficient fixtures and revise the water balance accordingly.	<p>The efficient fixtures shall be provided and revised water balance submitted.</p> <p>As per the revised water balance, the total water demand of the project shall be 2690 KLD out of which freshwater demand of 2039 KLD shall be met through ground water and remaining 651 KLD shall be met through recycling. The wastewater generation shall be 2152 KLD which shall be treated in the STP.</p> <p>Out of 2152 KLD of treated wastewater, in summer season 209 KLD shall be utilized in the green area of 38011 sqm, 651 KLD shall be utilized for flushing purpose and remaining 1292 KLD shall be discharge into sewer. Whereas in Winter season, 68 KLD shall be utilized in the green area 651 KLD shall be utilized for flushing purpose and remaining 1433 KLD shall be discharge into sewer and in rainy season 19 KLD shall be utilized in the green area, 651 KLD shall be utilized for flushing purpose and remaining 1482 KLD shall be discharge into sewer.</p>

7	The Project Proponent shall submit the details of components of land area, built-up area, No. of blocks, No. of Floors, No. of Units in each floor for the existing project for which the EC was granted and for the proposed expansion project.	The details of the land area, built-up area of the various components to be constructed submitted, which are as under:		
		Description	As per previous EC	As per revised proposal
		Total land area in sqm	101208	146583
		Built-up area in sqm	117940	579799.51
		No. of Blocks	9	33 and 1 for shop
		No. of floors	25	25
		No. of Flats	1348	6200
	No. of Shops	0	35 (G+2)= 105	
8	The Project Proponent shall provide the reply for not conforming the siting guidelines laid down by Govt. of Punjab, Department of Science Technology & Environment vide order dated 25.07.2008 as amended on 30.10.2009.	The site of the project falls in residential zones such the project is permissible for the establishment of the residential housing project. Further, the application for obtaining permission for change of land use submitted and same is likely to be issued shortly.		

During the meeting, the Committee asked the Project Proponent to submit the latest status of the permission for Change of Land Use for the additional land area of 11.21 acres. The Project Proponent apprised the Committee that the application has been filed with the Competent Authority and the permission is still awaited. The Project Proponent presented the notified Master Plan of SAS Nagar and showed that the site of the proposed housing project falls in the residential zone as per Master Plan, SAS Nagar.

The Committee observed that as per the latest construction status report submitted by PPCB vide letter no. 1945 dated 22.03.2022, the site of the project will just touch the boundary of the site of the Common Bio-Medical Waste Treatment facility (CBMWTF) namely M/s Rainbow Environments Private Limited, Balyali, Mohali. The Committee asked the Project Proponent to provide a 15 m width green belt towards the CBMWTF and submit the approved layout plan showing the location of the 15m width green belt towards the boundary of Village Balyali and the Group Housing Project. In this regard, the Project Proponent has submitted the approved layout plan of the Group Housing Project by earmarking the green belt of 15m towards CBMWTF (M/s

Rainbow Environments) and the boundary of Village Balyali. The Committee took a copy of the approved layout plan on record.

After detailed deliberations, SEAC decided to award '**Silver Grading**' to the project proposal and to forward the application of the project proponent to SEIAA with the recommendation to grant Environmental Clearance for the expansion of a Housing project namely "Lok Awas" located at Sectors 74A, SAS Nagar, Punjab, subject to the following conditions and special condition as under:

I. Special Condition:

1. The Project Proponent shall obtain a Change of Land Use from the Competent Authority for the additional land area of 11.21 acres before starting construction activity at the said piece of land

II. 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.

III. 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

IV. 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 4209 KLD, out of which 2814 KLD shall be met through own tube well. Total freshwater use shall not exceed the proposed requirement as provided in the project details and other relevant details as under:

Sr. No.	Seasons	Total water Requirement	Total wastewater generated	Treated wastewater	Flushing water requirement	Green area requirement	Into sewer
1.	Summer	4209	3368	3368	1395	264	1709
2.	Winter	4209	3368	3368	1395	86	1887
3.	Rainy	4209	3368	3368	1395	24	1949

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

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

- xiii) Water demand during construction should be reduced by the use of pre-mixed concrete, curing agents, and adopting other best practices.
- xiv) The CGWA provisions on rainwater harvesting should be followed. A rainwater harvesting plan needs to be designed where the recharge bores of minimum one recharge bore per 5,000 square meters of the plot area and a storage capacity of a minimum of one day of the total freshwater requirement shall be provided. In areas where groundwater recharge is not feasible, the rainwater should be harvested and stored for reuse. As per the proposal submitted by the project proponent, 40 no. recharging pits will be provided for groundwater recharging as per the CGWB norms. The groundwater shall not be withdrawn without approval from the Competent Authority.
- xv) All recharge should be limited to shallow aquifers.
- xvi) No groundwater shall be used during the construction phase of the project. Only treated sewage/wastewater shall be used. A proper record in this regard should be maintained and should be available at the site.
- xvii) Any groundwater dewatering should be properly managed and shall conform to the approvals and the guidelines of the CGWA in the matter. Formal approval shall be taken from the CGWA for any groundwater abstraction or dewatering.
- xviii) The quantity of freshwater usage, water recycling, and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC, and SEIAA along with six-monthly Monitoring reports.
- xix) Sewage shall be treated in the STP with tertiary treatment by providing ultra-filtration Technology. STP shall be installed in a phased manner viz a viz in the module system designed in such a way so as to efficiently treat the wastewater with an increase in its quantity due to rise in occupancy. The treated effluent from STP shall be recycled/reused for flushing and gardening. No treated water shall be disposed of into the municipal stormwater drain.
- xx) No sewage or untreated effluent would be discharged through stormwater drains. Onsite sewage treatment with a capacity to treat 100% wastewater will be installed. The installation of the Sewage Treatment Plant (STP) shall be certified by an independent expert and a report in this regard shall be submitted to the Ministry / SEIAA before the project is commissioned for operation. Treated wastewater shall be reused on-site for landscape, flushing, and other end-uses. Excess treated water shall be discharged as per statutory norms notified by the Ministry of Environment, Forest, and Climate Change. Natural treatment systems shall be promoted.

- xxi) Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odour problem from STP.
- xxii) Sludge from the onsite sewage treatment, including septic tanks, shall be collected, conveyed and disposed of as per the Ministry of Urban Development, Central Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.

V. 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.

VI. 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.

VII. Waste Management

- i) A certificate from the competent authority handling municipal solid waste, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from the project shall be obtained.
- ii) Disposal of muck during the construction phase should not create any adverse effect on the neighbouring communities and should be safely disposed of taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of the competent authority.
- iii) Separate wet and dry bins must be provided in each unit and at the ground level for facilitating the segregation of waste. Solid waste shall be segregated into wet garbage and inert materials.
- iv) Organic waste compost/ Vermiculture pit/ Organic Waste Converter/Mechanical Composter within the premises must be installed for treatment and disposal of the solid waste.
- v) All non-biodegradable waste shall be handed over to authorized recyclers for which a written tie-up must be done with the authorized recyclers.
- vi) Any hazardous waste generated during the construction phase, shall be disposed of as per applicable rules and norms with the necessary approvals of the State Pollution Control Board.
- vii) Use of environment-friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction material quantity. These include Fly Ash bricks, hollow bricks, AACs, Fly Ash Lime Gypsum blocks, Compressed earth blocks, and other environmentally friendly materials.
- viii) Fly ash should be used as a building material in the construction as per the provision of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003 and 25th January, 2016. Ready-mixed concrete must be used in building construction.
- ix) Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Rules, 2016.

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

VIII. 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 1850 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.

IX. 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.

X. 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.

XI. Environment Management Plan

- i) The company shall have a well-laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violations of the environmental / forest/wildlife norms/conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stakeholders. A copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of the six-monthly report.
- ii) A separate Environmental Cell both at the project and company headquarters level, with qualified personnel shall be set up under the control of senior Executive, who will report directly to the head of the organization.
- iii) An action plan for implementing EMP and environmental conditions along with the responsibility matrix of the company shall be prepared and shall be duly approved by the competent authority. The Environmental Management Plan (EMP) of the proposed project as per the details given in Table below:

Sr. no	Description	Capital Cost (Rs. in Lacs)	Recurring cost (Rs. in Lacs)
Construction Phase			
1.	Medical Cum First Aid	1.50	1.5
2.	Toilets for Sanitation System	8.0	3.0

3.	Wind breaking curtains	15.0	4.0
4.	Sprinklers for suppression of dust	3.0	15.0
5.	Sewage Treatment Plant	850.0	--
6.	Solid Waste Segregation & Disposal	20.0	--
7.	Green Belt including grass coverage	80.0	--
8.	RWHP	35.0	--
9.	Ambient Air Monitoring (Every Month)	--	3.0
10.	Drinking Water (Every Month)	--	3.0
11.	Noise Level Monitoring (Every Month)	--	1.0
	Total	1012.5	30.5
Operation Phase			
1.	Sewage Treatment Plant	--	12.0
2.	Solid Waste segregation & Disposal	--	25.0
3.	Green Belt including grass coverage	--	30.0
4.	RWHP	--	4.0
5.	Ambient Air Monitoring (Every 3 Months)	--	2.0
6.	Drinking Water (Every Month)	--	3.0
7.	Noise Level Monitoring (Every 3 Months)	--	0.50
8.	Treated Effluent Monitoring (6 Months)	--	0.50
	Total	--	77

XII. Validity

This environmental clearance will be valid for a period of 10 (ten) years from the date of its issue as per MoEF & CC, GoI notification No. S.O. 1807 (E) dated 12.04.2022 or till the completion of the project, whichever is earlier.

XIII. 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.

XIV. Additional Conditions

- i) The approval is based on the conceptual plan/drawings submitted with the application. In case, there is variation in built-up area/green area/ any other details in the drawings approved by the competent authority, the Project Proponent shall obtain the revised Environmental Clearance.
- ii) The Project Proponent shall ensure that the natural drainage channels in the project site including streams, drains, choes, creeks, rivulets, etc. are not disturbed so that the natural flow of rainwater, etc is not impeded or disrupted in any manner.
- iii) Authorization from Punjab Pollution Control Board shall be obtained as applicable under the Bio-Medical Waste Management Rules 2016 as amended from time to time.
- iv) The Bio-Medical wastes shall be managed in accordance with the Bio-Medical Waste Management Rules 2016 as amended from time to time.
- v) The solid waste other than Bio-Medical Waste & Hazardous Waste (dry as well as wet garbage) generated should be properly collected and segregated before disposal to Municipal Authorities in accordance with the Municipal Solid Waste (Management & Handling) Rules, 2000. No municipal waste should be disposed off outside the premises in contravention of relevant rules and by-laws. Adequate measures should be taken to prevent any malodour in and around the Project premises.
- vi) In the event that the project proponent decides to abandon/close the Project at any stage, he shall submit an application in the prescribed form along with requisite documents through Parivesh to SEIAA for surrendering the Environmental Clearance as per the procedure prescribed in OM dated 29.03.2022 issued by the MoEF&CC. The project proponent shall be accountable for adherence/compliance of the EC conditions till such time as the project is finally closed by SEIAA, based upon the certified closure report of Integrated Regional Offices (IROs) of MoEF&CC, Chandigarh/PPCB.
- vii) This Environmental Clearance is liable to be revoked without any further notice to the Project Proponent in case of failure to comply with condition (vi) above.

3.0 Deliberations during the 208th meeting of SEIAA held on 23.06.2022.

The case was considered by SEIAA in its 208th meeting held on 23.06.2022 which was attended by the following:

- (i) Ms. Rajni Mehra, CEO, M/s Vera Developers Private Limited on behalf of the project proponent.
- (ii) Sh. Sital Singh, and Sh. Sandeep Singh and S.S. Matharu Environmental Consultants from 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 project proponent was also taken on record by the SEIAA.

SEIAA raised certain observations to which the project proponent replied as under:

Sr. No.	Observations	Reply
1.	Status of the MC sewer and the permission obtained from the local Government	No MC sewer is available in the vicinity of the project. However, the project site falls under the jurisdiction of the Municipal Council and the sewer is likely to be laid within 4-5 years by the time construction of the project is completed.
2.	Status of the 15m green buffer to be provided as proposed by the project proponent along the air polluting industry i.e. M/s Rainbow Environments Pvt. Ltd., Balyali, Mohali as per the siting guidelines framed by the Government vide order dated 25.07.2008 as amended on 30.10.2009 for such type of subject	15m green buffer has yet to be provided.
3.	Details of the CER activities under the Environmental Management Plan in the vicinity of the project	The cost of the total project is Rs. 562 cr. and 0.75% of the said cost shall be spent on CER activities under the Environmental Management Plan after assessing the local needs of village Balyali.
4.	Status of the compliance of the conditions of earlier granted environmental clearance	PPCB vide letter no. 901 dated 31.01.2022 has submitted the compliance report in

		respect of the conditions of the earlier granted Environmental Clearance.
5.	Location on Layout Plan of Towers C3A and C3 B bordering M/s Rainbow Environments Pvt Ltd as reported by PPCB	The exact location of the proposed Towers will be marked on plans and submitted
6.	Current status of green belt plantations excluding the proposed 15 m Buffer zone	Plantation has recently commenced

SEIAA perused the compliance of the Condition No's 5,6,12,14 of the Specific Conditions, Condition No's 1,5,6,9 of the Air Quality and Monitoring Preservation, Condition No's 5,15,19,21 of Water Quality Monitoring and Preservation, Condition No 1 of Corporative Environmental Responsibility of the earlier granted Environmental Clearance conditions and observed that as per the report of the PPCB these conditions have either not been complied with or are being partially complied with. No satisfactory reply has been submitted by the project proponent with respect to these observations of the PPCB.

SEIAA observed that this was a very large Housing Project with 6200 Flats and an expected population of 31,000 inhabitants at full occupancy. The earlier Environmental Clearance for this Project was given on 03.03.2020 for 1348 Flats and a population of 6740 persons) but despite the passage of over 2 years the following important matters have not been addressed/complied with:

- 1) The Change of Land Use for the project is yet to be obtained. No satisfactory reply has been submitted in respect of the PPCB report that the Project does not meet the siting guidelines due to the presence of the adjacent Biomedical Unit.
- 2) There is complete uncertainty regarding the proposed MC Sewer in which a huge quantity of treated wastewater of almost 5 MLD is to be discharged.
- 3) There is a lack of seriousness on the part of the Project Proponent regarding the implementation of several important conditions imposed whilst granting the original EC as detailed above. So much so that even green-belt plantations have barely commenced in a small section and that too with undersized plantation stock.
- 4) Proposed Energy saving measures will result in a saving of only 1.7% power consumption.
- 5) No proposal for CER activities has been submitted.

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

Item no. 208.02: Application for Environmental Clearance under EIA notification dated 14.09.2006 for the establishment of a residential housing Project namely “AGI Sky Villas” in the revenue estate of Village Dad, Pakhowal Road, Tehsil & District Ludhiana, (Punjab) by M/s AGI Infra Limited, (Proposal No. SIA/PB/MIS/270773/2022).

Background and salient features of the case

The project proponent has submitted an application for obtaining Environmental Clearance under EIA Notification dated 14.09.2006 for the establishment of a residential housing Project namely “AGI Sky Villas” in the revenue estate of Village Dad, Pakhowal Road, Tehsil & District Ludhiana, (Punjab). The total land area of the project is 49800.2 sqm having a built-up area of 1,48,406.26 Sqm. The Project is covered under Activity 8(a) & Category ‘B2’ as per EIA notification-2006.

The project proponent submitted Form I, 1A, and other additional documents along with the processing fee amounting to Rs. 2,96,812/- vide RTGS No. PUNBR52022042611940355 dated 26.04.2022, as verified by the supporting staff SEIAA.

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

Punjab Pollution Control Board vide letter no. 2847 dated 13.05.2022 has sent the latest construction status report with details as under:

“In regard to above, it is intimated that the site of the subject cited project was visited by officer of the Board on 12.05.2022 and it was observed that the front side of the project is opposite another construction project i.e. Centra Green and the project is surrounded by various commercial and residential establishment on the other 03 sides.

There were 02 existing marriage palaces/ banquets hall i.e. M/s Riviera Resort and Arcadian Villa in the land, where the project is proposed to be developed. The Riviera Resort has obtained consent to operate under the Water Act, 1974 and Air Act, 1974, up to 30.09.2022 and the Acadian villa has also obtained consent to operate under the Water Act, 1974 & under the Air Act, 1981, upto 30.09.2022. The project proponent has demolished the building of the Arcadian villa and demolition work of Rivirea Resort is underway. The project proponent has not started any new construction activity at the proposed site and is currently carrying out the demolition of the existing structure.

There is no MAH industry within a radius of 250 m from the boundary of the proposed site of the project. It was 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. & drain., river and eco-sensitive structure within a radius of 500 m. There is no air-polluting industry within a radius of 100 m from the boundary of the project.

The project proponent has obtained CLU from chief Administrator GLADA, Ludhiana issued vide memo no. 321 dated 16.03.2022, for Residential Purpose (Group Housing) for land measuring 12.306 acres at village Dad, Handfast No. 279, Tehsil & District Ludhiana. Therefore, the site of the project is conforming to the siting guidelines and down by the Govt. of Punjab Department of Science Technology and Environment vide order dated 25/07/2008 as amended on 30/10/2009.”

1.0 Deliberations during the 221st meeting of SEAC held on 27.05.2022.

The meeting was attended by the following:

- (i) Sh. Balwinder Singh Sandha, Chief Financial Officer, M/s AGI Infra Limited.
- (ii) Sh. Sital Singh, Environmental Consultant, M/s. Chandigarh Pollution Testing Laboratory.
- (iii) Sh. Sandeep Singh, Consultant, M/s. Chandigarh Pollution Testing Laboratory.

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

Sr. No.	Description	Details												
1	Basic Details													
1.1	Name of Project & Project Proponent:	Residential Project “AGI Sky Villas” by M/s AGI Infra Private Limited												
1.2	Proposal:	SIA/PB/MIS/270773/2022												
1.3	Location of Industry:	Village- Dad, Pakhowal Road, Tehsil & District- Ludhiana, Punjab												
1.4	Details of Land area & Built-up area:	Total Plot area – 49800 sqm (12.306 acre) Built-up area- 1,48,406 sqm												
1.5	Category under EIA notification dated 14.09.2006	8 (a)												
1.6	Cost of the project	Rs. 197.5 Crores												
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		4.	Others	10.30
		Total Cost		197.50 Crore
2.	Site Suitability Characteristics			
2.1	Whether site of the industry is suitable as per the provisions of the Master Plan:	Requisite permissions for the establishment of residential housing project has been obtained from the Competent Authority. The details are mentioned at 2.2.		
2.2	Whether supporting document submitted in favour of statement at 2.1, details thereof: (CLU/building plan approval status)	<ol style="list-style-type: none"> 1. A copy of permission for Change of Land Use for the total land area of 12.306 acres (49802.38 sq.m) in the name of M/s AGI Infra Limited issued by Greater Ludhiana Area Development Authority, Ludhiana, Punjab vide Memo no.- 321 dated 16.03.2022 submitted. 2. A copy of the layout plan of the scheme area of 12.306 acres approved by Senior Town Planner, Ludhiana vide letter no. 559.STP(L)/BA1 dated 24.03.2022 for the construction of 448 dwelling units submitted. 3. A copy of the license issued by GLADA vide no. 02/2022 dated 30.03.2022 granted under Punjab Apartment & Property Regulation Act, 1995 to M/s AGI Infra Limited through its Managing Director Sh. Sukhdev Singh for developing the land as group housing project "AGI Sky Villas", Village Dad, Tehsil & District Ludhiana for the total land area of 12.306 acres submitted. 		
3	Forest, Wildlife and Green Area			
3.1	Whether the industry required clearance under the provisions of Forest Conservation Act 1980 or not:	No, a self-declaration to the effect that no land covered under the Forest Conservation Act 1980 is involved in the project submitted.		
3.2	Whether the industry required clearance under the provisions of Punjab Land Preservation Act (PLPA) 1900:	No, a self-declaration to the effect that the project does not require clearance under the provisions of the Punjab Land Preservation Act (PLPA) 1900 submitted.		
3.3	Whether industry required clearance under the provisions of Wildlife	No wildlife sanctuary is involved in the vicinity or study area of the project site. Thus, the industry does not require clearance under the provisions of the Wildlife Protection Act 1972. A self-declaration in this regard was submitted.		

	Protection Act 1972 or not:																																																																																											
3.5	Whether the industry falls within the influence of Eco-Sensitive Zone or not. (Specify the distance from the nearest Eco sensitive zone)	The project is not located in any notified eco-sensitive zone.																																																																																										
3.6	Green area requirement and proposed No. of trees:	Total green area: 12526 sqm Proposed number of trees- 624																																																																																										
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		Community Centre		775	
	2	Non-FAR Area			
		Basement Area		17179	
		Balconies/Terrace Area		24604	
		Total		1,48,406m²	
4.2	Population details				
	Sr. No.	Description	Number of units	Population	Water requirement (in Ltrs)
	1	5 BHK-30 4 BHK-238 3 BHK-180	448 @ 5 persons/flat	2240 persons	86 lpcd 193 KLD
	2	Floating Population	--	400 persons	15 lpcd 06 KLD
	3	School/Community Centre	--	500 Persons	45 lpcd 22 KLD
	4	Maintenance Staff	--	50 Persons	45 lpcd 02 KLD
		Total	--	3190 Persons	-- 223 KLD
5	Water				
5.1	Total freshwater requirement:	Freshwater demand- 176 KLD			
5.2	Source:	Tubewell			
5.3	Whether Permission obtained for abstraction/supply of the freshwater from the Competent Authority (Y/N) <i>Details thereof</i>	Acknowledgement of the application submitted to PWRDA for the abstraction of ground water @ 176 KLD submitted.			
5.4	Total water requirement for domestic purpose:	223 KLD			
5.4.1	Total wastewater generation:	178 KLD			
5.4.2	Treatment methodology for domestic wastewater: (STP capacity, technology & components)	STP of capacity 250 KLD based on MBBR Technology shall be installed for the treatment of the domestic effluent.			

5.5	Details of utilization of treated wastewater into green area in summer, winter and rainy season:	Treated water will be partly used for tree plantation, landscaping, parks & flushing etc within the project premises Summer-69 KLD Winter-23 KLD Rainy- 6 KLD					
5.6	Proposal of excess treated wastewater.	Summer-62 KLD Winter-108 KLD Rainy- 125 KLD A copy of the letter issued by GLADA vide no. 269 dated 12.05.2022 submitted, wherein it has been mentioned that the Project Proponent is required to obtain NOC from MC Ludhiana and other concerned Departments before issuance of the permission of discharging treated waste water into the sewer.					
5.8	Cumulative Details:						
	Sr. No.	Total water Requirement	Total wastewater generated	Treated wastewater	Flushing water requirement	Green area requirement	Into sewer
	1	223 KLD	178 KLD	178 KLD	47 KLD	69 KLD	62 KLD
5.9	Rain water harvesting proposal:	9 No. pits to be provided.					
6	Air						
6.1	Details of Air Polluting machinery:	DG Set capacity of 400 KVA shall be installed.					
6.2	Measures to be adopted to contain particulate emission/Air Pollution	DG Set shall be equipped with a canopy and stack of adequate height to contain the particulate emissions.					
7	Waste Management						
7.1	Total quantity of solid waste generation	1151 kg/day					
7.2	Details of management and disposal of solid waste (Mechanical Composter/Compost pits)	The solid waste shall be segregated and treated through vermicomposting. Further, non-biodegradable waste will be segregated and stored into an isolated place. The biodegradable waste shall be used as manure after treatment and the non-biodegradable waste shall be given to the authorized recycler.					

7.5	Details of management of Hazardous Waste.	Used oil @ 500 ltr/annum shall be generated which shall be given to the authorized recycler.				
8	Energy Saving & EMP					
8.1	Power Consumption:	1489 KW				
8.2	Energy saving measures:	<ul style="list-style-type: none"> • Saving on light points by using 30 W LED instead of 40 W tubes @ 25% = 150 KW • By using solar energy for outer Lighting Savers @ 50% = 75 KW <p>Total Saving = 225 KW</p>				
8.3	Details of activities under Environment Management Plan:	Constructional Phase				
		SR. NO.	PARTICULARS	APPROX. CAPITAL COST (LAC)	APPROX. RECURRING COST (LAC)	ITEMS COVERED
		1.	Medical Cum First Aid	1.0	0.5	First aid medical facility with first aid kit
		2.	Toilets for workers	1.0	0.5	Toilets with septic tank
		3.	Wind breaking curtains	4.0	0.5	Wind breaking walls at vulnerable areas
		4.	Sprinklers for suppression of dust	2.0	0.5	Sprinklers, Pipeline
		Total Cost		Rs 8.0	Rs 2.0	
		Operational Phase				
		SR. NO.	PARTICULARS	APPROX. CAPITAL COST	APPROX. RECURRING COST (LAC)	ITEMS COVERED

			COST (LAC)		
	1.	Sewage Treatment Plant	60.0	5.0	STP
	2.	Solid Waste segregation & disposal	10.0	2.0	Colored Bins at appropriate Locations
	3.	Green Belt including Lawns coverage	6.5	6.5 (for 3 years)	Plantation and landscaping
	Total Cost		Rs 76.5	Rs 13.5	

After detailed deliberations, SEAC decided to award '**Silver Grading**' to the project proposal and to forward the application of the project proponent to SEIAA with the recommendation to grant Environmental Clearance for the establishment of a residential housing Project namely "AGI Sky Villas" in the revenue estate of Village Dad, Pakhowal Road, Tehsil & District Ludhiana, (Punjab) by M/s AGI Infra Limited, subject to the following conditions.

I. Special Condition:

1. The Project Proponent shall obtain NOC from MC Ludhiana and other concerned Departments before discharging treated waste water into the sewer, as stipulated by GLADA vide letter no. 269 dated 12.05.2022.

II. 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 by the Competent Authority and in consonance with the project proposal for which this environment clearance is being granted.

III. 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

IV. 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 domestic water requirement for the project shall be 223 KLD, out of which 176 KLD shall be met through own tube well. Total freshwater use shall not exceed the proposed requirement as provided in the project details and other relevant details as under:

Sr. No.	Total water Requirement	Total wastewater generated	Treated wastewater	Flushing water requirement	Green area requirement	Into sewer
1	223 KLD	178 KLD	178 KLD	47 KLD	69 KLD	62 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 freshwater 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, 09 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.

V. 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.

VI. 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.

VII. Waste Management

- i) A certificate from the competent authority handling municipal solid waste, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from the project shall be obtained.
- ii) Disposal of muck during the construction phase should not create any adverse effect on the neighbouring communities and should be safely disposed of taking the necessary

precautions for general safety and health aspects of people, only in approved sites with the approval of the competent authority.

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

VIII. 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 624 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.

IX. 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.

X. 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.

XI. Environment Management Plan

- i) The company shall have a well-laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violations of the environmental / forest/wildlife norms/conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stakeholders. A copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of the six-monthly report.
- ii) A separate Environmental Cell both at the project and company headquarters level, with qualified personnel shall be set up under the control of senior Executive, who will report directly to the head of the organization.
- iii) An action plan for implementing EMP and environmental conditions along with the responsibility matrix of the company shall be prepared and shall be duly approved by the competent authority. The Environmental Management Plan (EMP) of the proposed project as per the details given in Table below:

Constructional Phase

SR. NO.	PARTICULARS	APPROX. CAPITAL COST (LAC)	APPROX. RECURRING COST (LAC)	ITEMS COVERED
1.	Medical Cum First Aid	1.0	0.5	First aid medical facility with first aid kit
2.	Toilets for workers	1.0	0.5	Toilets with septic tank
3.	Wind breaking curtains	4.0	0.5	Wind breaking walls in vulnerable areas
4.	Sprinklers for suppression of dust	2.0	0.5	Sprinklers, Pipeline
Total Cost		Rs 8.0	Rs 2.0	

Operational Phase

SR. NO.	PARTICULARS	APPROX. CAPITAL COST (LAC)	APPROX. RECURRING COST (LAC)	ITEMS COVERED
1.	Sewage Treatment Plant	60.0	5.0	STP

2.	Solid Waste segregation & disposal	10.0	2.0	Colored Bins at appropriate Locations
3.	Green Belt including Lawns coverage	6.5	6.5 (for 3 years)	Plantation and landscaping
Total Cost		Rs 76.5	Rs 13.5	

XII. Validity

- i) This environmental clearance will be valid for a period of 10 (ten) years from the date of its issue as per MoEF & CC, GoI notification No. S.O. 1807 (E) dated 12.04.2022 or till the completion of the project, whichever is earlier.

XIII. 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 the 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.

XIV. Additional Conditions

- i) The approval is based on the conceptual plan/drawings submitted with the application. In case, there is variation in built-up area/green area/ any other details in the drawings approved by the competent authority, the Project Proponent shall obtain the revised Environmental Clearance.
- ii) The Project Proponent shall ensure that the natural drainage channels in the project site including streams, drains, choes, creeks, rivulets, etc. are not disturbed so that the natural flow of rainwater, etc is not impeded or disrupted in any manner.
- iii) Authorization from Punjab Pollution Control Board shall be obtained as applicable under the Bio-Medical Waste Management Rules 2016 as amended from time to time.

- iv) The Bio-Medical wastes shall be managed in accordance with the Bio-Medical Waste Management Rules 2016 as amended from time to time.
- v) The solid waste other than Bio-Medical Waste & Hazardous Waste (dry as well as wet garbage) generated should be properly collected and segregated before disposal to Municipal Authorities in accordance with the Municipal Solid Waste (Management & Handling) Rules, 2000. No municipal waste should be disposed off outside the premises in contravention of relevant rules and by-laws. Adequate measures should be taken to prevent any malodour in and around the Project premises.
- vi) In the event that the project proponent decides to abandon/close the Project at any stage, he shall submit an application in the prescribed form along with requisite documents through Parivesh to SEIAA for surrendering the Environmental Clearance as per the procedure prescribed in OM dated 29.03.2022 issued by the MoEF&CC. The project proponent shall be accountable for adherence/compliance of the EC conditions till such time as the project is finally closed by SEIAA, based upon the certified closure report of Integrated Regional Offices (IROs) of MoEF&CC, Chandigarh/PPCB.
- vii) This Environmental Clearance is liable to be revoked without any further notice to the Project Proponent in case of failure to comply with condition (vi) above.

2.0 Deliberations during the 208th meeting of SEIAA held on 23.06.2022.

The case was considered by SEIAA in its 208th meeting held on 23.06.2022 which was attended by the following:

- (i) Sh. Balwinder Singh Sandha, Chief Financial Officer, M/s AGI Infra Limited.
- (ii) Sh. Sital Singh, and Sandeep Singh, Environmental Consultants from M/s. Chandigarh Pollution Testing Laboratory.

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

To a query by SEIAA, Environmental Consultant informed that a sewer is available for the project just outside the project site. GLADA has also issued letter no 269 dated 12.05.2022 to the effect that the project sewer can be connected with the GLADA Sewer after obtaining NOC from other departments. Further, STP of capacity 400 KLD based on the MBBR Technology will be installed considering wastewater generation for residents @ 200 lt/person/day.

To another query by SEIAA, the project proponent informed that greenbelt will be developed in 12526 (25.15 %) sqm area of the total area of the proposed project, 700 indigenous tree species shall be planted in an area of 4200 sqm considering the norms of 1 tree per 80sqm of the project area and landscaping will be done in the remaining 12526 sqm. Further, tall saplings having a

height not less than 6 ft and indigenous species like Neem, Drek, Ailanthus, Siris, Chakrassia, Kachnar, Banyan, Pipal and Baheda, etc will be planted

During discussions, the representative of the promoter company agreed to fully comply with all the conditions proposed by SEAC and also undertake additional CER activities of Rs 204.4 lakhs in the vicinity of the project under the Environmental Management Plan. The revised Environmental Management Plan has been submitted by the project proponent as under:

Sr. No.	Particulars	Approx. Capital Cost (Lac)	Approx. Recurring Cost (Lac/Annum)
Construction phase			
1.	Medical Cum First Aid	1.0	0.5
2.	Toilets for workers	1.0	0.5
3.	Wind breaking curtains	4.0	0.5
4.	Sprinklers for suppression of dust	2.0	0.5
5.	Rainwater harvesting	8.0	5.0
6	CER Activities **	172	32.40
Sub Total		Rs 188	Rs 39.40
During the Operation Phase			
Sr. NO.	Particulars	Approx. Capital cost (lac)	Approx. Recurring cost (Lacs/Annum)
1.	400 KLD Sewage Treatment Plant	40.0	5.0
2.	Solid Waste segregation & disposal	15.0	5.0
3.	Green Belt including plantation of 700 indigenous tree species	7.0	7.0
Sub Cost		Rs 62.0	Rs 17.0
Total		250	56.40

* Note: Details of CER Actviites are given as under:

Sr. No.	Particulars of CER activities	Capital cost (Rs. in lakhs)	Recurring cost (Rs. in Lakhs) annually
1.	Avenue plantation/Plantation in Community areas: Evergreen tree plantation and its maintenance alongside roads Afforestation: 4000 trees will be planted and maintained for 5 years	40.0	8.0
2.	Solar Power Electrification: Solar lights on adopted public road/Streets 40 solar lights @Rs. 25,000/- per light Cost of installation of poles @Rs. 20,000/-	18.0	3.60

3.	Pollution Control/Environment Protection-Dust mitigation Truck-mounted Road sweeper: Cost Rs. 60 Lakhs ½ Capital cost for adopted public road sweeping	60.0	6.0
4.	Operational cost for Truck Mounted Road Sweeper (of 3 above) Operational cost Rs. 1,000/- per hour excluding depreciation. Expenses for 3 hours per day for sweeping public roads, and community areas. Hence per month operational cost: Rs. 90,000/- (As the sweeping machine does not put dust in the atmosphere, it will contribute towards a clean air environment)	54.0	10.80
	Total	172.0	32.40

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

After detailed deliberations, SEIAA decided to accept the recommendations of SEAC and grant Environmental Clearance for the establishment of a residential housing Project namely "AGI Sky Villas" in the revenue estate of Village Dad, Pakhowal Road, Tehsil & District Ludhiana, (Punjab) having a total land area of the project as 49800 sqm with a built-up area of 148406 sqm by M/s AGI Infra Limited, as per the details mentioned in Form 1, 1A, EMP and subsequent presentation /clarifications made by the project proponent and his consultant with proposed measures and subject to conditions proposed by SEAC and additional conditions as under:

Amendment in Condition no. iii) of X. of Environment Management Plan

- iii) Action plan for implementing EMP and environmental conditions along with the responsibility matrix of the company shall be prepared and shall be duly approved by the Competent Authority. The year-wise funds earmarked for environmental protection measures shall be kept in separate accounts and will not be diverted for any other purpose. The project proponent shall spend the minimum amount of Rs. 250 Lacs towards the capital cost and Rs. 56.40 Lacs/annum towards recurring cost in the construction and operation phase of the project including the environmental monitoring cost as per the details given as under

Sr. No.	Particulars	Approx. Capital Cost (Lac)	Approx. Recurring Cost (Lac/Annum)
	Construction phase		
1.	Medical Cum First Aid	1.0	0.5
2.	Toilets for workers	1.0	0.5

3.	Wind breaking curtains	4.0	0.5
4.	Sprinklers for suppression of dust	2.0	0.5
5.	Rainwater Harvesting	8.0	5.0
6	CER Activities **	172	32.40
Sub Total		Rs 188	Rs 39.40
Operation Phase			
Sr. NO.	Particulars	Approx. Capital cost (lac)	Approx. Recurring cost (Lacs/Annum)
1.	400 KLD Sewage Treatment Plant	40.0	5.0
2.	Solid Waste segregation & disposal	15.0	5.0
3.	Green Belt including plantation of 700 indigenous tree species	7.0	7.0
Sub Cost		Rs 62.0	Rs 17.0
Total		250	56.40

* Note: Details of CER Activities are given as under:

Sr. No.	Particulars of CER activities	Capital cost (Rs. in lakhs)	Recurring cost (Rs. in Lakhs) annually
1.	<i>Avenue plantation/Plantation in Community areas:</i> Evergreen tree plantation and its maintenance alongside roads Afforestation: 4000 trees plantation and their maintenance for 5 years	40.0	8.0
2.	<i>Solar Power Electrification:</i> Solar lights on adopted public road/Streets 40 solar lights @Rs. 25,000/- per light Cost of installation of poles @Rs. 20,000/-	18.0	3.60
3.	<i>Pollution Control/Environment Protection-Dust mitigation</i> Truck mounted road sweeper: Cost Rs. 60 Lakhs ½ Capital cost for adopted public road sweeping	60.0	6.0
4.	<i>Operational cost for Truck Mounted Road Sweeper (of 3 above)</i> Operational cost Rs. 1,000/- per hour excluding depreciation. Expenses for 3 hours per day for sweeping public roads, community areas. Hence per month operational cost: Rs. 90,000/-	54.0	10.80

	(As the sweeping machine do not put dust in atmosphere, it will contribute towards clean air environment)		
	Total	172.0	32.40

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

Additional Conditions:

- (i) The project proponent shall obtain revised Environmental Clearance under Category 8(b) of the Schedule appended to the EIA Notification 14.09.2006 as amended from time to time, in case planning of the built-up area of the project increases from the threshold limit of 1,50,000 sqm.

Item No. 208.03: Application for issuance of TORs for proposed steel Manufacturing Unit located at G.T Road, Sirhind side, Mandi Gobindarh, Tehsil Amloh, District Fatehgarh Sahib, Punjab by M/s Kuber Casting Private Limited. (Proposal No. SIA/PB/IND/76458/2022).

Background and salient features of the case

The industry namely M/s Kuber Casting Private Limited is engaged in the manufacturing of steel ingots/billets, Angles, Channels, Rounds, Square, TMT bars, Flats & Patra @ 29400 TPA. The industry was granted Consent to Operate under the provisions of the Water Act 1974 & Air Act 1981 for the manufacturing of 84 MTD of steel ingots, which is valid up to 04.05.2022.

The industry has proposed carrying out expansion by increase in the manufacturing of steel ingots/billets, Angles, Channels, Rounds, Square, TMT bars, Flats & Patra from 29,400 TPA to 84,000 TPA. Since, the production capacity of the industry exceeds 30,000 TPA, as such the industry attracts the provisions of activity 3(a) of the schedule appended with the EIA notification dated 14.09.2006.

The industry has applied for issuance of TORs for manufacturing of 84000 TPA of steel ingots/billets, Angles, Channels, Rounds, Square, TMT bars, Flats & Patra. The industry has proposed to manufacture the aforementioned products by replacing the existing Induction Furnace of 7 TPH capacity with a new induction Furnace of capacity of 20 TPH, LRF of 20 TPH Concast.

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

The project proponent submitted Form I, pre-feasibility report and other additional documents through an online portal. The cost of the project is Rs. 13.06 Cr. The Project Proponent has deposited Rs.50,000/- (25% of the total fee i.e., Rs. 150,000/-) vide NEFT No. SBIN222118100947 dated 28.04.2022 as checked & verified by the supporting staff of SEIAA.

1.0 Deliberations during the 221st meeting of SEAC held on 27.05.2022.

The meeting was attended by the following:

- (i) Sh. Jasbir Singh, General Manager, M/s Kuber Casting.
- (ii) Sh. Sital Singh, Environmental Consultant, M/s. Chandigarh Pollution Testing Laboratory.
- (iii) Sh. Sandeep Singh, Consultant, M/s. Chandigarh Pollution Testing Laboratory.

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

Sr. No.	Description	Details
1.	Online Proposal No.	SIA/PB/IND/76458/2022
2.	Name and Location of the project	M/s Kuber Casting Pvt. Ltd. located at GT road, Sirhind side, Backside Modern Steel, Mandi Gobindgarh Tehsil- Amloh, District Fatehgarh Sahib, Punjab.
3.	Nature of project (Fresh EC/EC for Expansion/New)	Fresh (TOR)
4.	a) Category b) Activity (As per schedule appended to EIA Notification, 2006 as amended from time to time.)	(a) B1 (b) Metallurgical Industries (ferrous & nonferrous) (8), Schedule 3(a) as per EIA notification-2006.
5.	Whether the project falls within 5km from the boundary of a critically polluted area (Yes/No)	No critically polluted area falls within 5km of the boundary of the project.
6.	Undertaking to the effect that project is neither located near to PLPA area nor falls in the PLPA area	No, a self-declaration to the effect that the project does not require clearance under the provisions of the Punjab Land Preservation Act (PLPA) 1900 submitted.
7.	Whether the industry required clearance under the provisions of the Forest Conservation Act 1980 or not:	No, a self-declaration to the effect that no land covered under the Forest Conservation Act 1980 is involved in the project submitted.
8.	Whether the industry required clearance under the provisions of the Wildlife Protection Act 1972 or not:	No wildlife sanctuary is involved in the vicinity or study area of the project site. Thus, the industry does not require clearance under the provisions of the Wildlife Protection Act 1972. A self-declaration in this regard was submitted.
9.	Whether the industry falls within the influence of Eco-Sensitive Zone or not. (Specify the distance from the nearest Eco sensitive zone)	The project is not located in any notified eco-sensitive zone.

10.	Classification/Land use pattern as per Master Plan	The industry falls in the industrial zone as per the Master Plan of Mandi Gobindgarh.		
11.	Manpower (Existing & After expansion)	Existing - 80 Proposed – 40 Total- 120		
12.	Project Area Details:			
	S. No.	Details	Existing Land	Proposed Additional Land
	1.	Plot Area (in sqm)	15631 sqm	Nil
13.	Raw Material requirement			
	S. No.	Raw Material	Existing (TPA)	Proposed (TPA)
	1.	MS Scrap, CI, Sponge Iron Ferro Alloys	31,000	57,500
14.	Production Capacity			
	S. No.	Product name	Existing (TPA)	Proposed (TPA)
	1.	Steel Ingots/billets, Angles, Channels, Rounds, Square, TMT Bars, Flats, Patra	29,400 (Steel ingots)	54,600
15.	Details of major productive machinery/plant			
	S. No.	Particulars	Existing	Proposed
	1.	Induction Furnace, rolling mill	1X7TPH (to be replaced)	1X20 TPH
	2.	Laddle refining Furnace (LRF)	Nil	1X20 TPH
	3.	Concast	Nil	01 No.
16.	Water Requirements & its source:			

S. No.	Description	Existing water demand (KLD)	Proposed water demand (KLD)	Total water demand (KLD)
1.	Domestic water demand	3.6 KLD	2.0 KLD	5.6 KLD
2.	Cooling (makeup water)	10.0 KLD	30.0 KLD	40.0 KLD
Total		13.6 KLD	32.0 KLD	45.6 KLD

17. Details of Effluent				
Sr. No.	Details	Existing Quantity (KLD)	Expected after expansion (KLD)	Details of existing & proposed Effluent Control Device
i)	Industrial Effluent	Nil	Nil	---
ii)	Domestic Effluent	2.8	4.5	Will be treated in STP of 10KLD and Treated water will be reused in plantation.

18. Details of Emissions (After expansion)				
Sr. No.	Source	Capacity (TPH)	Chimney Height (m)	Details of existing & proposed Air Pollution Control Device
i)	Induction Furnace	1X20 TPH,	30	Side Suction Hood, Spark Arrestor, Bag House, ID Fan (Offline cleaning pulsejet bag filter)

19. Details of Hazardous waste and its disposal (After expansion)				
Sr. No.	Hazardous Waste	Category	Quantity (TPA) (After expansion)	Disposal arrangement
1.	Gas Cleaning Residue (APCD dust)- Bag filter	35.1	1.0	Sent to TSDF site/Madhav Alloys

	2.	Used Oil (kl/annum)	5.1	0.04 kl/annum	Used as Lubricant within the industry/sent to authorized recyclers.
20.	Solid waste generation and its disposal (After expansion)				
	Sr. No.	Solid Waste	Quantity (TPD) (After Expansion)	Disposal arrangement	
	(i)	Slag	9	Given to interlocking tiles manufacturing plant for final use	
21.	Energy Requirements (After expansion)			10,000 KW	

The Committee observed that the industry falls in the industrial zone as per the Master Plan of Mandi Gobindgarh. After detailed deliberations, SEAC decided to categorize the project under Activity 3(a); B-1 with public consultation as required for the project. The Committee recommended the case to SEIAA to approve the Terms of Reference for the proposed steel Manufacturing Unit located at G.T Road, Sirhind Side, Mandi Gobindgarh, Tehsil Amluh, District Fatehgarh Sahib, Punjab for preparing Environmental Impact Assessment (EIA) report for the proposed project and recommended to SEIAA to issue the following TORs:

STANDARD TERMS OF REFERENCE

I) Executive Summary

Report in about 8-10 pages incorporating the following:

- i) Introduction of the Project and Promoter Company.
- ii) Products and capacities. If expansion proposal, then existing products with capacities and reference to earlier EC.
- iii) Requirement of land, raw material, water, power, fuel, with source of supply (Quantitative)
- iv) Process description in brief, specifically indicating the gaseous emission, liquid effluent and solid and hazardous wastes.
- v) Measures for mitigating the impact on the environment and mode of discharge or disposal.
- vi) Capital cost of the project, estimated time of completion

- vii) Site selected for the project - Nature of land - Agricultural (single/double crop), barren, Govt./private land, status of its acquisition, nearby (in 2-3 km.) water body, population, within 10 km other industries, forest, eco-sensitive zones, accessibility, (note - in case of industrial estate this information may not be necessary)
- viii) Baseline environmental data - air quality, surface and groundwater quality, soil characteristic, flora and fauna, socio-economic condition of the nearby population
Identification of hazards in handling, processing and storage of hazardous material and safety system provided to mitigate the risk.
- ix) Identification of hazards in handling, processing and storage of hazardous material and safety system provided to mitigate the risk
- x) Likely impact of the project on air, water, land, flora-fauna and nearby population
- xi) Emergency preparedness plan in case of natural or in plant emergencies
- xii) Issues raised during public hearing (if applicable) and response given
- xiii) CSR/CER plan with proposed expenditure.
- xiv) Occupational Health Measures
- xv) Post Project monitoring plan
- xvi) Synopsis of the project (Available on <https://decc.punjab.gov.in/>)

II) Introduction

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

III) Project Description

- i) Cost of project and time of completion.
- ii) Products with capacities for the proposed project.
- iii) If expansion project, details of existing products with capacities and whether adequate land is available for expansion, reference of earlier EC if any.
- iv) List of raw materials required and their source along with mode of transportation.
- v) Other chemicals and materials required with quantities and storage capacities.
- vi) Details of Emission, effluents, hazardous waste generation and their management.

- vii) Requirement of water (breakup for induction and rolling mill), power, with source of supply, status of approval, water balance diagram, man-power requirement (regular and contract).
- viii) Process description along with major equipment and machineries, process flow sheet (quantitative) from raw material to products to be provided
- ix) Hazard identification and details of proposed safety systems.
- x) In case of Expansion/modernization proposals:
 - a) Status of compliance of Consent to Operate for the ongoing /existing operation of the project from SPCB shall be attached with the EIA-EMP report.
 - b) In case the existing project has not obtained environmental clearance, reasons for not taking EC under the provisions of the EIA Notification 1994 and/or EIA Notification 2006 shall be provided. Copies of Consent to Establish/No Objection Certificate and Consent to Operate (in case of units operating prior to EIA Notification 2006, CTE and CTO of FY 2005-2006) obtained from the SPCB shall be submitted. Further, compliance report to the conditions of consents from the SPCB shall be submitted.

IV) Site Details

- i) Location of the project site covering village, Taluka / Tehsil, District and State, Justification for selecting the site, whether other sites were considered. Copy of Master Plan indicating a land use pattern of the site is in conformity of proposals of Master Plan shall be attached with EIA report.
- ii) A top sheet of the study area of radius of 10 km and site location on 1:50,000/1:25,000 scale on an A3/A2 sheet. (Including all eco-sensitive areas and environmentally sensitive places)
- iii) Details w.r.t. option analysis for selection of site.
- iv) Co-ordinates (lat-long) of all four corners of the site.
- v) Google map-Earth downloaded of the project site
- vi) Layout maps indicating existing unit as well as proposed unit indicating storage area of raw material, finished products, greenbelt area with marking of tree, Location of STP/ETP, Solid waste storage area, Parking space, Firefighting equipment layout, First aid room, Location of Tube wells, DG Sets & Transformers and any other utilities
- vii) If located within an Industrial area/Estate/Complex, layout of Industrial Area indicating location of unit within the Industrial area/Estate.

- viii) Photographs of the proposed and existing (if applicable) plant site. If existing, show photographs of plantation/greenbelt, in particular.
- ix) Land use break-up of total land of the project site (identified and acquired), government/private - agricultural, forest, wasteland, water bodies, settlements, etc. shall be included. (not required for industrial area)
- x) A list of major industries with name and type within study area (10 km radius) shall be incorporated. Land use details of the study area.
- xi) Geological features and Geo-hydrological status of the study area shall be included.
- xii) Details of Drainage of the project up to 5km radius of study area. If the site is within 1 km radius of any major river, peak and lean season river discharge as well as flood occurrence frequency based on peak rainfall data of the past 30 years. Details of Flood Level of the project site and maximum Flood Level of the river shall also be provided. (mega green field projects)
- xiii) Status of acquisition of land. If acquisition is not complete, stage of the acquisition process and expected time of complete possession of the land.
- xiv) R&R details in respect of land in line with state Government policy

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

- i) Permission and approval for the use of forest land (forestry clearance), if any, and recommendations of the State Forest Department. (If applicable).
- ii) Land use map based on High resolution satellite imagery (OPS) of the proposed site delineating the forestland (in case of projects involving forest land more than 40 ha).
- iii) Status of Application submitted for obtaining the stage I forestry clearance along with latest status shall be submitted.
- iv) The projects to be located within 10 km of the National Parks, Sanctuaries, Biosphere Reserves, Migratory Corridors of Wild Animals, the project proponent shall submit the map duly authenticated by Chief Wildlife Warden showing these features vis-a-vis the project location and the recommendations or comments of the Chief Wildlife Warden-thereon.
- v) Wildlife Conservation Plan duly authenticated by the Chief Wildlife Warden of the State Government for conservation of Schedule I fauna, if any exists in the study area.
- vi) Copy of application submitted for clearance under the Wildlife (Protection) Act, 1972, to the Standing Committee of the National Board for Wildlife.

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

VI) Environmental Status

- i) Determination of atmospheric inversion level at the project site and site specific micro-meteorological data using temperature, relative humidity, hourly wind speed and direction and rainfall.
- ii) AAQ data (except monsoon) at 8 locations for PM 10, PM2.5, SO₂, NO_x, CO and other parameters relevant to the project shall be collected. The monitoring stations shall be based CPCB guidelines and take into account the pre dominant wind direction, population zone and sensitive receptors including reserved forests.
- iii) Raw data of all AAQ measurement for 12 weeks of all stations as per frequency given in the NAQQM Notification of Nov. 2009 along with - min., max., average and 98% values for each of the AAQ parameters from data of all AAQ stations should be provided as an annexure to the EIA Report.
- iv) Surface water quality of nearby River (100m upstream and downstream) and other surface drains at eight locations as per CPCB/MoEF& CC guidelines.
- v) Whether the site falls near to polluted stretch of river identified by the CPCB/MoEF& CC.
- vi) Groundwater monitoring at minimum at 8 locations shall be included.
- vii) Noise levels monitoring at 8 locations within the study area.
- viii) Soil Characteristic as per CPCB guidelines.
- ix) Traffic feasibility / serviceability study for at least 5 days based on Indian Standard Codes. Further it shall also include the details of cross section of the road on which industry is located, vehicles movement w.r.t. the industry, traffic load of other vehicles on the road incorporating the haulage time for the vehicles for loading/unloading within the premises and parking requirement to avoid the traffic congestions on the link and adjoining roads. Traffic study shall be conducted considering the traffic of the industries located in the vicinity.
- x) Detailed description of flora and fauna (terrestrial and aquatic) existing in the study area shall be given with special reference to rare, endemic and endangered species. If Schedule-I fauna are found within the study area, a Wildlife Conservation Plan shall be prepared and furnished.

- xi) Socio-economic status of the study area.
- xii) Baseline data should not be older than 3 years.

VII) Impact Assessment and Environment Management Plan

- i) Assessment of ground level concentration of pollutants from the stack emission based on site-specific meteorological features. In case the project is located on a hilly terrain, the AQIP Modeling shall be done using inputs of the specific terrain characteristics for determining the potential impacts of the project on the AAQ. Cumulative impact of all sources of emissions (including transportation) on the AAQ of the area shall be well assessed. Details of the model used and the input data used for modeling shall also be provided. The air quality contours shall be plotted on a location map showing the location of project site, habitation nearby, sensitive receptors, if any.
- ii) Water Quality modelling.
- iii) Impact of the transport of the raw materials and end products on the surrounding environment shall be assessed and provided. In this regard, options for transport of raw materials and finished products and wastes (large quantities) by rail or rail-cum road transport or conveyor-cum-rail transport shall be examined.
- iv) A note on treatment, recycling and reuse of wastewater from different plant operations, extent for different purposes shall be included. Complete scheme of effluent treatment. Characteristics of untreated and treated effluent to meet the prescribed standards of discharge under EPA Rules.
- v) Details of stack emission and action plan for control of emissions to meet standards.
- vi) Measures for fugitive emission control
- vii) Details of hazardous waste generation and their storage, utilization and disposal. Copies of MOU regarding utilization of solid and hazardous waste shall also be included. EMP shall include the concept of waste-minimization, recycle/reuse/recover techniques, Energy conservation, and natural resource conservation.
- viii) Proper utilization of fly ash shall be ensured as per Fly Ash Notification, 2009. A detailed plan of action shall be provided.
- ix) Action plan for the green belt development in 33 % area with not less than 1,500 trees per hectares giving details of species, width of plantation, planting schedule, post plantation maintenance plan for 3 years shall be included. The green belt shall be around the boundary and a scheme for greening of the roads used for the project shall also be incorporated.

- x) Action plan for rainwater harvesting measures at alternative sites shall be submitted to harvest rainwater from the roof tops and storm water drains to recharge the groundwater and also to use for the various activities to conserve freshwater and reduce the water requirement from other sources.
- xi) Total capital cost and recurring cost/annum for environmental pollution control measures shall be included.
- xii) Action plan for post-project environmental monitoring shall be submitted.
- xiii) Onsite and Offsite Disaster (natural and Man-made) Preparedness and Emergency Management Plan including Risk Assessment and damage control. Disaster management plan should be linked with the District Disaster Management Plan.

VIII) Occupational health

- i) Details of existing Occupational & Safety Hazards. What are the exposure levels of above-mentioned hazards and whether they are within the Permissible Exposure Level (PEL)? If these are not within PEL, what measures the company has adopted to keep them within PEL so that the health of the workers can be preserved.
- ii) Details of exposure specific health status evaluation of worker. If the workers' health is being evaluated by pre-designed format, chest x rays, Audiometry, Spirometry, Vision testing (Far & Near vision, colour vision and any other ocular defect) ECG, during pre-placement and periodical examinations give the details of the same. Details regarding last month analysed data of above-mentioned parameters as per age, sex, duration of exposure and department wise.
- iii) Annual report of the health status of workers with special reference to Occupational Health and Safety.
- iv) Plan and fund allocation to ensure the occupational health & safety of all contract and casual workers.

IX) Corporate Environment Policy

- i) Does the company have a well laid down Environment Policy approved by its Board of Directors? If so, it may be detailed in the EIA report.
- ii) Does the Environment Policy prescribe for standard operating processes/procedures to bring into focus any infringement/deviation/violation of the environmental or forest norms/conditions? If so, it may be detailed in the EIA.
- iii) What is the hierarchical system or Administrative order of the company to deal with the environmental issues and for ensuring compliance with the environmental clearance conditions? Details of this system may be given.

- iv) Does the company have a system of reporting of non-compliances / violations of environmental norms to the Board of Directors of the company and / or shareholders or stakeholders at large? This reporting mechanism shall be detailed in the EIA report
- v) Details regarding infrastructure facilities such as sanitation, fuel, restroom, etc. to be provided to the labour force during construction as well as to the casual workers including truck drivers during the operation phase.

X) Enterprise Social Commitment (ESC)

- i) The project proponent shall propose activities in lieu of Corporate Environmental Responsibility (CER) in the Environmental Management Plan as per the provisions of OM dated 25.02.2021 issued by the MoEF&CC.
- ii) Any litigation pending against the project and/or any direction/order passed by any Court of Law against the project, if so, details thereof shall also be included. Has the unit received any notice under the Section 5 of Environment (Protection) Act, 1986 or relevant Sections of Air and Water Acts? If so, details thereof and compliance/ATR to the notice(s) and present status of the case.
- iii) A tabular chart with index for points wise compliance of above TORs.

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

- i) Details of proposed layout clearly demarcating existing & proposed features of the project within the plant.
- ii) Total no. of furnaces & details including capacity of each furnace.
- iii) Detail of the mechanical shredder to reduce the size of the raw material.
- iv) Complete process flow diagram describing each unit, its processes, and operations, along with material and energy inputs and outputs (material and energy balance).
- v) Details on the design and manufacturing process for all the units.
- vi) Details on environmentally sound technologies for recycling of hazardous materials, as per CPCB Guidelines, may be mentioned in case of handling scrap and other recycled materials.
- vii) Details on the requirement of raw materials, its source, and storage at the plant.
- viii) Details on the requirement of energy and water along with its source and authorization from the concerned department. Location of water intake and outfall points (with coordinates).

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

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

- i) Public consultation is required for the project as it is not located in a notified industrial park/estate.
- ii) The project proponent shall submit complete proposal for the management of ash at the time of submission of EIA report for obtaining environmental clearance
- iii) Submit proof of ownership of land (existing owner) such as copy of latest Jamabandi (not more than one month old) and credible document showing status of land acquisition w.r.t. project site (as prescribed in OM dated 07.10.2014 issued by MoEF)
- iv) Submit dully filled prescribed field data sheets and analysis reports along with exact location of sampling / monitoring point marked on the layout map. Also submit the status of approvals of Laboratories.
- v) Submit cost of the project duly certified by Chartered Engineer/ Approved valuer / Chartered Accountant. In the absence of above, the project proponent may submit self-certified detail of cost of the project mentioning the cost of Land, building, infrastructure and plant and machinery.
- vi) Certificate from the concerned authority w.r.t the location of protected areas as notified under the Wildlife Protection Act, 1972 within 5 km radius from the boundary of the project site.
- vii) Certificate from the Department of Town & Country Planning or concerned authorities to support the claim made by project proponent that the project site is located in the industrial zone as per the provisions of Master Plan of Town/City in the jurisdiction of which the project site is located or the project proponent shall submit the Change of land use of the project site for total land area.
- viii) Compliance of the siting criteria, standard operating practices, code of practice, and guidelines if any prescribed by the SPCB/CPCB/MoEF&CC for such type of units.
- ix) Necessary permissions from the Central Groundwater Authority (CGWA)/ State Groundwater Authority (SGWA)/concerned authority for the abstraction of groundwater for the existing requirements as well as for the expanded unit. In case of not allowing such permission by the concerned authority for the abstraction of additional

groundwater for the expanded project, the project proponent shall propose alternative arrangements to meet out the additional water requirements. It shall be ensured that: -

- a) In the projects where groundwater is proposed as a water source, the project proponent shall apply to the Central Groundwater Authority (CGWA)/ State Groundwater Authority (SGWA), as the case may be, for obtaining No Objection Certificate (NOC) if applicable.
- b) Approval /permission of the CGWA/SGWA shall be obtained before drawing groundwater for the project activities.
- c) In the absence of approval, submit a copy of acknowledgment along with a set of application filed to CGWA /Competent Authority for obtaining permission for the abstraction of groundwater
- x) Minimize the water consumption in the steel plant complex by segregation of used water, practicing cascade use and by recycling treated water.
- xi) STP for treatment of wastewater & re-utilization of the treated water for core/non-core activities so as to achieve the Zero Liquid Discharge Condition as per the III (iv) of OM dated 09/08/2018 issued by the MoEF&CC for such units.
- xii) Reuse of cooling tower blow down, simultaneously ensuring the standards prescribed for such purge waters. If required, necessary arrangements shall be made to keep this waste stream within the parameters required for reuse.
- xiii) In case of any acid pickling activity, the spent acid/effluents generated from such activities shall be utilized through authorized re-processors for converting the same into useful by-products like FeSO_4 etc. An agreement to this effect shall be made with the authorized agencies.
- xiv) Adequate area to be reserved and marked on the layout plan for the green belt as per the conditions laid down by the MoEF&CC as per the Standard EC Conditions prescribed for Induction/ Electric Arc Furnace & Rolling Mills circulated vide OM dated 09/08/2018.
- xv) Detailed study report along with calculation for reserving land for loading or unloading of raw material, products, slag, hazardous waste as well as for storage of these materials and the area to be reserved for parking incorporating the time required for loading and unloading of vehicles for respective activities and minimum/maximum period for which storage of the above material is required in the premises. The areas for the respective activities to be marked on the layout plan.

- xvi) Action plan for the compliance of standard operating procedures and up-gradation of suction and treatment arrangement for the secondary emissions as prescribed by the State Pollution Control Board or by CPCB/MoEF&CC.
- xvii) Compliance of standard operating procedures and up-gradation of suction/treatment systems for the control of secondary emissions within the time frame prescribed by the State Pollution Control Board. Similar action is to be implemented in the proposed expansion project.
- xviii) Whole of the vehicle movement area as well as the approach road to the gate /weighing bridge shall be paved with pucca/metalled / cement concrete road to control the dust emissions expected from the vehicle movement.
- xix) The vehicles to be used for loading/unloading purposes shall not be parked along the roadside so as to avoid the traffic congestion and dedicated parking place to be provided for the same.
- xx) Adopt green technologies to conserve the water and energy including shearing/cutting / bundling machines. Also, to provide abrasive resistant fire bricks in the crucibles to reduce the periodic maintenance & disposal of discarded fire bricks.
- xxi) Use of natural gas (if available) as substitute fuel wherever possible in the existing industry/ for the expansion project.
- xxii) Submit compliance w.r.t. condition no.II [(i) & (iii)] subtitled as "Air Quality Monitoring & Preservation" regarding continuous emission monitoring system and continuous ambient air quality monitoring as prescribed in the Standard EC Conditions for Induction/ Electric Arc Furnace & Rolling Mills issued by the MoEF&CC, New Delhi vide OM dated 09/08/2018.
- xxiii) Examine and submit the proposal for: -
 - a) Recovery of iron from slag before disposing of it.
 - b) Identify the areas for utilization of slag in a scientific manner and explore its usage in cement/construction industry/manufacturing of pavers & tiles/road laying etc.
 - c) Recovery of precious metals like Zinc, lead and iron etc. from the APCD dust (Hazardous waste) through authorized re-processor.
- xxiv) Air Pollution Control Arrangement details shall be provided as below:

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

- xxv) Submit compliance regarding the installation of Pulse jet bag filter with offline cleaning technology as APCD with the proposed induction furnace.
- xxvi) List the species with heavy foliage, broad leaves and wide canopy cover. The landscape planning should include plantation of native species. Water intensive and/or invasive species should not be used for landscaping.
- xxvii) The project proponent shall collect the baseline data for three months (except monsoon season) as per MOEF&CC office memorandum dated 29.08.2017. For this, monitoring data of M/s Devbhoomi Casting Pvt. Ltd. falls within the buffer zone of the project collected during the period from 1st October 2021 to 31st December, 2021 may be utilized. Besides this, one-month additional study shall be undertaken at the project site from 15th January 2022 to 15th February, 2022.

XIII) General Guidelines:

- (i) The EIA document shall be printed on both sides.
- (ii) All documents shall be properly indexed, page numbered.
- (iii) Period/date of data collection shall be clearly indicated.
- (iv) The letter/application for environmental clearance shall quote the SEIAA file No. and also attach a copy of the letter.
- (v) The copy of the letter received from SEIAA shall be also attached as an annexure to the final EIA-EMP Report.
- (vi) The index of the final EIA-EMP report must indicate the specific chapter and page no. of the EIA-EMP Report.
- (vii)

2.0 Deliberations during the 208th meeting of SEIAA held on 23.06.2022.

The case was considered by SEIAA in its 208th meeting held on 23.06.2022 which was attended by the following:

- (i) Sh. Jasbir Singh, General Manager, M/s Kuber Casting.
- (ii) Sh. Sital Singh, Sandeep Singh, S.S. Matharu Environmental Consultants, M/s. Chandigarh Pollution Testing Laboratory.

Environmental Consultant of the promoter company presented the salient features of the project a copy of which was taken on record by the SEIAA.

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

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

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

Item No.208.04: Application for Environmental clearance under EIA notification dated 14.09.2006 for chemical unit for manufacturing of Formaldehyde @ 200 TPD & Resin/Glue @ 300 TPD by M/s Bansal & Bansal Organics located at Plot no.- A-5, Industrial Focal Point, Raikot, District Ludhiana, Punjab (Proposal No. SIA/PB/IND3/76857 /2022).

Background and salient features of the case

The industry has proposed to establish a chemical manufacturing unit for carrying out the manufacturing of Formaldehyde @ 200 TPD & Resin/Glue @ 300 TPD in the name of M/s Bansal & Bansal Organics.

The industrial activity is covered under activity 5(f) and category B1 of the schedule appended with the EIA notification dated 14.09.2006. The General & Specific conditions are applicable to the said category and as per the application, the interstate boundary of Himachal Pradesh is located at a distance of 165 km from the project site. Further, the project does not lie in any of the protected areas notified under the Wildlife Protection Act 1972 and Eco-sensitive areas within the purview of the project. The site of the industry is located at a distance of 19 km from a critically polluted area of Ludhiana. As such, General Condition is not applicable in the case.

The industry was issued Terms of Reference by MoEF&CC vide letter no. SEIAA/PB/IND/2022/ToR/02 dated 12.01.2022. Now, the industry has submitted EIA report after incorporating the compliance of Terms of Reference issued by the SEIAA.

The Cost of the project is Rs. 6.30 Crores and the industry has already been deposited Rs. 15,750/- on dated 05.01.2022 and the remaining processing fee of Rs. 47,250/- vide UTR No. N127221948507822 dated 07.05.2022. The adequacy of the fee deposited by the Project Proponent has been checked and verified by the supporting staff of SEIAA.

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

Punjab Pollution Control Board vide letter no. 3105 dated 20.05.2022 has sent the latest construction status report with details as under:

"In regard to above, it is intimated that the site for the subject cited project was visited by officer of the Board on 18.05.2022 and it was observed that the plot is totally vacant and no boundary wall have been provided. The site falls in industrial Focal Point, Raikot and is surrounded by other industrial establishments like M/s Vivachem Intermediates Pvt. Ltd., Industrial Focal Point, Raikot, Ludhiana, which is an API unit M/s Spreco Recycling (E-waste Recycler) etc. There is no drain river, eco-sensitive structure within the 500 meters radius of the site. It is further submitted that the industry has submitted copy of allotment letter issued by PSIEC, Chandigarh vide its letter no.

28326 dated 20.12.2021, mentioning that the proposed site measuring 5000 sq. yard falls under Industrial Focal Point, Raikot for 99 years on lease for manufacturing of Formaldehyde, Urea Formaldehyde. The industry is being developed in Industrial Focal Point, Raikot and the site is suitable for the establishment of such units.”

1.0 Deliberations during the 221st meeting of SEAC held on 27.05.2022.

The meeting was attended by the following:

- (i) Sh. Nishant Gupta, Manager, M/s Bansal & Bansal Organics.
- (ii) Sh. Rajiv Garg, Environmental Consultant
- (iii) Sh. Sital Singh, Environmental Consultant, M/s. Chandigarh Pollution Testing Laboratory.
- (iv) Sh. Sandeep Singh, Consultant, M/s. Chandigarh Pollution Testing Laboratory.

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

Sr. No	Description	Details
1	Basic Details	
1.1	Name of Industry & Project Proponent:	Industry Name: M/s Bansal & Bansal Organics Proponent: Mr. Mukesh Gupta (General Manager)
1.2	Proposal:	SIA/PB/IND3/76857/2022
1.3	Location of Industry:	Plot-No A-5, Industrial Focal Point, Raikot, District Ludhiana, Punjab.
1.4	Details of Land area & built-up area:	5000 sq yards (4180 m ²)
1.5	Category under EIA notification dated 14.09.2006	Category-B1
1.6	Cost of the project	Rs. 6.3 crores
1.7	Compliance of Public Hearing Proceedings	The unit is being established in notified industrial Focal Point developed by PSIEC (State Govt. Undertaking). As per the OM dated 27.04.2018 issued by MoEF&CC, the relevant portion of the same is as under: <i>“The exemption for public consultation under EIA notification to the project or activities located within the industrial estates or parks if applicable as under:</i> <i>1. Which were notified by the Central Govt. or the State/UT Govt. prior to the said notification coming into force on 14.09.2006.”</i>

		Layout plan for mini growth centre at Raikot, District Ludhiana, wherein the proposed industry is to be established submitted. The layout plan mentions drawing no. PSIEC/G.M/PLG/LP-32/2021 dated 23.01.1999. The drawing was revised on 29.11.2019 followed by 22.12.2020 and 28.01.2021.
2.	Site Suitability Characteristics	
2.1	Whether the site of the industry is suitable as per the provisions of the Master Plan:	Allotment letter issued by PSIEC submitted details are at column no. 2.2.
2.2	Whether supporting document submitted in favour of statement at 2.1, details thereof: (CLU/building plan approval status)	Allotment letter issued by PSIEC vide no. PSIEC/ESTATE/25399 Dated: -11.02.2021 for transferring of plot no. A-5, Industrial Focal Point, Raikot, measuring 5000 sqyard in the name of M/s Bansal & Bansal Organics for the manufacturing of Formaldehyde, Urea Formaldehyde submitted.
3	Forest, Wildlife and Green Area	
3.1	Whether the industry required clearance under the provisions of the Forest Conservation Act 1980 or not:	No, self-declaration in this regard was submitted.
3.2	Whether the industry required clearance under the provisions of the Punjab Land Preservation Act (PLPA) 1900:	No, self-declaration in this regard was submitted.
3.3	Whether the industry required clearance under the provisions of the Wildlife Protection Act 1972 or not:	No, self-declaration in this regard was submitted.
3.4	Distance of the industry from the Critically Polluted Area.	The site of the project falls at a distance of 19 km from the critically polluted area of Ludhiana.
3.5	Whether the industry falls within the influence of Eco-Sensitive Zone or not. (<i>Specify the distance from the nearest Eco-sensitive zone</i>)	The industry is not located in any notified eco-sensitive zone.
3.6	Green area requirement and proposed No. of trees:	Approx. 1480 sqm (35% of total land), 96 trees will be planted.
4.	Raw Material & Product details	
4.1	Raw Material	

PRODUCT	NAME OF RAW MATERIAL	QUANTITY (Kg/Ton. of Product)	SOURCES
Formaldehyde	Methanol	460	Local market
	Water	500	Groundwater
Melamine Formaldehyde	Melamine	305	Local market
	Formaldehyde	705	In-house mfg.
	Caustic	5	Local market
Phenol Formaldehyde	Phenol	500	Local market
	Formaldehyde	565	In-house mfg.
	Caustic	5	Local market
Urea Formaldehyde	Urea	305	Local market
	Formaldehyde	705	In-house mfg.
	Acetic Acid	5	Local market
	Caustic	5	Local market

Major Equipments and Machineries

S. No.	Machines& Equipment
1.	Heat Exchangers
2.	Evaporator with steam coil and air Sparser
3.	Evaporator Filter
4.	Super Heater Separator with connection Band
5.	Vapour Filter Jacket
6.	Baby Boiler of 600 Kg capacity
7..	Methanol Separator
8.	Reactors Dome
9.	Reactor Tubular
10.	Non-Boiler Condensers
11.	Non-Boiler Separators
12.	Condenser with sump
13.	Mixing Vessel
14..	Steam Separator
15.	Process Water tank
16.	Process water filter/RO System
17.	Absorption column

	18.	Circulation Tower
	19.	Valves & pipelines
	20.	Silver (as catalyst)
	21.	Rotameters
	22.	Rotatory Twin lobe Air Blower
	23.	Cooling Towers
	24	Laboratory Suitable for testing of Formaldehyde Methanol as per standard
	25	Effluent Treatment Plant/Air Pollution Control Systems
4.2	Population details	18 employees
5	Water	
5.1	Total freshwater requirement:	145 KLD,
5.2	Source:	PSIEC Water supply and own Tube well.
5.3	Whether Permission obtained for abstraction/supply of the freshwater from the Competent Authority (Y/N) <i>Details thereof</i>	Acknowledgement of the application for abstraction of 77 KLD of ground water filed with PWRDA submitted.
5.4	Total water requirement for domestic purpose:	2.5 KLD
5.4.1	<i>Total domestic wastewater generation:</i>	2.0 KLD
5.4.2	<i>Treatment methodology for domestic wastewater: (STP capacity, technology & components)</i>	15KLD capacity ETP-cum STP will be provided for treatment of the effluent.
5.5	Total water requirement for industrial purpose:	130.5 KLD
5.5.1	<i>Total effluent generation:</i>	8 KLD
5.5.2	<i>Treatment methodology for industrial wastewater:</i>	15KLD capacity ETP-cum STP will be provided for treatment of the same.
5.6	Details of the utilization of treated wastewater in green areas in summer, winter and rainy season:	Summer: 8.5 KLD, Winter: 2.8 KLD, Rainy: 0.8 KLD,
5.7	Utilization/Disposal of excess treated wastewater.	None, the industry will work on ZERO Liquid discharge concept.

5.8	Cumulative Details:					
		Use	Water Consumption (KLD)	Waste-water generation (KLD)		
D.M. Water (for Process)		110		5		
Cooling Water (Make Up Water)		15		2		
Boiler		5.5		1		
Domestic Use		2.5		2.0		
Green Area		12 (10 KLD- recycled and 2 KLD fresh)		---		
Total		145 (135 Freshwater & 10 KLD recycled)		10		
5.9	Rainwater harvesting proposal:	One pond having a surface area of 1.5 acres has been adopted at Village Gobindgarh to recharge groundwater and NOC from Smt. Kiranjeet Kaur Sarpanch of Village Gobindgarh, Tehsil Raikot, obtained and submitted.				
6	Air					
6.1	Details of Air Polluting machinery:	<ul style="list-style-type: none"> • Boiler-0.6 TPH • D.G. sets – 200 KVA • Fugitive emissions from the manufacturing process 				
6.2	Measures to be adopted to contain particulate emission/Air Pollution	<p>Boiler: Cyclone separator will be provided as APCD.</p> <p>D.G. sets: DG set shall be equipped with a canopy and a stack of adequate height as per norms.</p> <p>Fugitive emissions from the manufacturing process: Wet Scrubber will be installed</p>				
7	Waste Management					
7.2	APCD dust generation & its management	APCD dust will be sent to an authorised recycler.				
7.3	Solid waste generation & its management (Mechanical Composter/Compost pits)	Category	Type of Waste	Color of Bins	Disposal Method	Total Waste (Kg/day)
		Bio-Degradable	Organic Waste	Green	Composting	8.5
		Non-Biodegradable	Recyclable Waste	Blue	Recycler	5.5
		Total				14

7.4	Hazardous Waste generation & its management	Used oil @0.05 KLPA generated after servicing of DG set will be given to authorized recyclers. 30 kg/month of ETP Sludge will be generated which will be disposed of to TSDF Nimbua, Dera Bassi.	
8	Energy Saving & EMP		
8.1	Power Consumption:	Description	Requirement
		Power Requirement	200 KW
		Source	Punjab State Power Corporation Limited, Punjab
8.2	Energy-saving measures:	LEDs with tube lights will be used which shall save 20 KW of energy.	
8.3	Details of activities proposed under Environment Management Plan:		
	Sr. No.	Details	Capital Cost (In Lacs)
			Recurring Cost (In Lacs/annum)
	1.	APCD	3
	3.	ETP	10
	4.	OCEMS	0
	5.	Green belt development with maintenance plan for 3 years	5
	6.	Rain Water Harvesting	8
	7.	Environment Monitoring	0.2
	8.	Solid Waste Management	0.70
	9.	Energy Conservation	0.5
	10	Disaster and Risk Management	3
	11.	Miscellaneous	1.6
	Total		32.00
			5.00

After detailed deliberations, SEAC decided to award '**Silver Grading**' to the project proposal under category B1, Activity 5 (f) and to forward the application to SEIAA with the recommendations to grant Environmental Clearance for the chemical unit for manufacturing of Formaldehyde @ 200 TPD & Resin/Glue @ 300 TPD by M/s Bansal & Bansal Organics located at Plot no.- A-5, Industrial Focal Point, Raikot, District Ludhiana, Punjab, subject to the following special condition & other conditions as under:

I. Special Condition:

1. That the Project Proponent shall mark the area for the storage and handling of hazardous chemicals and hazardous waste.

II. Statutory compliance

- i. 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 involved in the project.
- ii. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
- iii. The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report. (in case of the presence of schedule-I species in the study area)
- iv. The project proponent shall obtain the necessary permission from the Central Ground Water Authority/ competent authority concerned, in case of drawl of ground water and also in case of drawl of surface water required for the project. In case of non- grant of permission by CGWA for ground water abstraction, the industry shall make alternative arrangements by using surface water or treated city sewage effluent after obtaining permission from competent authority.
- v. The project proponent shall obtain Consent to Establish/Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the Punjab State pollution Control Board/ Committee.
- vi. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.
- vii. The project proponent shall comply with the siting criteria, standard operating practices, code of practice and guidelines if any prescribed by the SPCB/CPCB/MoEF&CC for such type of units.
- viii. The project proponent shall comply with the CLU conditions imposed by competent authority, if any
- ix. The Company shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 as amended time to time.

All transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA), 1989.

III. Air quality monitoring and preservation

- i. The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 and connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- ii. The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through labs recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- iii. The project proponent shall install a system to carryout Continuous Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g., PM10 and PM2.5 in reference to PM emission, and SO₂ and NO_x in reference to SO₂ and NO_x emissions) within and outside the plant area (at least at four locations one for small units) within and three outside the plant area at an angle of 120°each), covering upwind and downwind directions.
- iv. To control source and the fugitive emissions, suitable pollution control devices shall be installed to meet the prescribed norms and/or the NAAQS. Sulphur content should not exceed 0.5% in the coal for use in coal fired boilers to control particulate emissions within permissible limits (as applicable). The gaseous emissions shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines.
- v. Storage of raw materials, coal etc shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.
- vi. National Emission Standards for Organic Chemicals Manufacturing Industry issued by the Ministry vide G.S.R. 608(E) dated 21st July, 2010 and amended from time to time shall be followed.
- vii. The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be complied with
- viii. The DG sets shall be equipped with suitable pollution control devices and the adequate stack height so that the emissions are in conformity with the extant regulations and the guidelines in this regard.

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

IV. Water quality monitoring and preservation

- i. The project proponent shall provide online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises.
- ii. The total wastewater generated from the unit shall not exceed 2.5 KLD and the said quantity shall be treated in the ETP cum STP.
- iii. The effluent discharge shall conform to the standards prescribed under the Environment (Protection) Rules, 1986, or as specified by the State Pollution Control Board while granting Consent under the Air/Water Act, whichever is more stringent.
- iv. Total freshwater requirement shall not exceed the quantity of 145 KLD as proposed in the proposal application. Prior permission shall be obtained from the concerned regulatory authority/CGWA in this regard.
- v. Process effluent/any wastewater shall not be allowed to mix with storm water. The storm water from the premises shall be collected and discharged through a separate conveyance system.
- vi. The Company shall store the rainwater from the roof tops of the buildings and utilize the same for different industrial operations within the plant.
- vii. Water demand during construction should be reduced by use of ready mixed concrete, curing agents and other best practices.
- viii. Provide electromagnetic flow meter at intake of water supply at the borewell for abstraction of ground water if any, outlet of the ETP/STP and any pipeline to be used for re-using the treated wastewater back into the system and for horticulture purpose/green belt etc.
- ix. A proper record regarding groundwater abstraction, water consumption, its reuse and disposal shall be maintained on daily basis and shall maintain a record of readings of each such meter on daily basis.
- x. Fixtures for showers, toilet flushing and drinking should be of low flow either by use of aerators or pressure reducing devices or sensor-based control.

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

V. Noise monitoring and prevention

- i. Acoustic enclosure shall be provided to DG set for controlling the noise pollution.
- ii. The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation.
- iii. The ambient noise levels should conform to the standards prescribed under EPA Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time

VI. Energy Conservation measures

- i. The energy sources for lighting purposes shall preferably be LED based.
- ii. The project proponent shall make efforts to ensure the reduction of overall power demand which may be met by solar system including the provision of solar water heating or through any other innovative environment friendly techniques.

VII. Waste management

- i. All the topsoil excavated during construction activities should be stored for use in horticulture / landscape development within the project site.
- ii. Disposal of muck during construction phase should not create any adverse effect on the neighbouring communities and be disposed of after taking the necessary precautions for general safety and health aspects of people with the approval of competent authority. The project proponent will comply with the provisions of Construction & Demolition Waste Rules, 2016. Dust, smoke & debris prevention measures such as wheel washing, screens, barricading and debris chute shall be installed at the site during construction including plastic / tarpaulin sheet covers for trucks bringing in sand & material at the site.
- iii. Construction spoils, including bituminous material and other hazardous material, must not be allowed to contaminate watercourses. The dump sites for such material must be secured, so that they should not leach into the groundwater.
- iv. Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arresters shall be provided on tank farm and the solvent transfer through pumps.
- v. Process organic residue and spent carbon, if any, shall be sent to cement industries. ETP sludge, process inorganic & evaporation salt shall be disposed of to the TSDF.
- vi. The Project proponent shall abide by the provisions of Solid Waste Management Rules, 2016 (amended from time to time), if applicable.

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

VIII. Green Belt

- i. The green belt shall be developed in more than 33% of the total project area, mainly along the plant periphery, in downward wind direction, and along road sides etc. Total 96 trees to be planted without accounting the shrubs and protect the same with tree guard made of concrete.
- ii. The Project Proponent shall develop green belt in 33% of the total land area with native tree species (having canopy type structure and especially trees, and not grass) before the completion of the project. The greenbelt shall inter alia cover the entire periphery of the unit provided that the number of trees to be planted should not be less than one tree per 80 sqm of the total project area. The canopy trees shall also be planted around the parking area to provide shade to the parked vehicles.
- iii. The project proponent shall plant tall saplings having height not less than 6 ft. The proponent shall make adequate provision of funds for raising the plantation and subsequent maintenance for three years in the Environment Management Plan.
- i. The project proponent shall submit the progress of developing the green belt in the six-monthly compliance report.

IX. Safety, Public hearing and Human health issues

- i. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
- ii. The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Firefighting system shall be as per the norms.
- iii. The PP shall provide Personal Protection Equipment (PPE) as per the norms of Factory Act.
- iv. Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.

- v. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
- vi. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
- vii. There shall be adequate space inside the plant premises earmarked for parking of vehicles for raw materials and finished products, and no parking to be allowed outside on public places.
- viii. A first aid room will be provided in the project both during construction and operation phase of the project.

X Validity of Environmental Clearance.

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

XI Environmental Management Plan

- i. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. A copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
- ii. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of a senior Executive, who will report directly to the head of the organization.
- iii. Action plan for implementing EMP and environmental conditions along with the responsibility matrix of the company shall be prepared and shall be duly approved by the competent authority. The year-wise funds earmarked for environmental protection measures shall be kept in separate accounts and will not be diverted for any other purpose. The project proponent shall spend the minimum amount of Rs. 32.0 Lacs towards the capital cost and Rs. 5 Lacs/annum towards recurring cost in the construction & operation phase of the project including the environmental monitoring cost as per the details given below:

Sr. No.	Details	Capital Cost (In Lacs)	Recurring Cost (In Lacs/annum)
1.	APCD	3	0.5
3.	ETP	10	1.5
4.	OCEMS	0	0
5.	Green belt development with maintenance plan for 3 years	5	0.5
6.	Rain Water Harvesting	8	0.3
7.	Environment Monitoring	0.2	0.20
8.	Solid Waste Management	0.70	0.20
9.	Energy Conservation	0.5	0.2
10	Disaster and Risk Management	3	1.5
11.	Miscellaneous	1.6	0.1
Total		32.00	5.00

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

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

XII. Miscellaneous

- i. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department etc. shall be obtained, by project proponent from the competent authorities including Punjab Pollution Control Board and from other statutory bodies as applicable.
- ii. In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by State Environment Impact Assessment Authority, Punjab.
- iii. The environmental safeguards contained in the application of the promoter / mentioned during the presentation before State Level Environment Impact Assessment Authority/State Expert Appraisal Committee should be implemented in letter and spirit.
- iv. The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which

one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.

- v. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
- vi. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
- vii. The project proponent shall monitor the criteria pollutants level namely; PM10, SO₂, NO_x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.
- viii. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
- ix. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
- x. The project proponent shall inform the Regional Office of the Ministry and PPCB, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production/ operation by the project.
- xi. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
- xii. The project proponent shall abide by all the commitments and recommendations made in the EIA /EMP report, commitment made during Public Hearing and also that during their presentation to the SEAC and SEIAA.
- xiii. No further expansion or modifications in the project shall be carried out other than those permitted in this EC without prior approval of SEIAA. In case of deviation or alterations in the project proposal from those submitted to the Ministry/SEIAA for clearance, a fresh reference shall be made to the Ministry/SEIAA, as applicable, to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.

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

XIII. ADDITIONAL CONDITIONS:

- i. The Environmental Clearance is granted to the project subject to the condition that the industry shall obtain a change of land use/building plan approval for industrial purposes and submit a copy of the same to SEIAA. In case, CLU/building plan approval has been rejected for industrial use for any reason, SEIAA will not be responsible for the cost incurred on the project.
- ii. To achieve the Zero Liquid Discharge, wastewater generated from different industrial operations should be properly collected, treated to the prescribed standards, and then recycled or reused for the identified uses.
- iii. The Project Proponent shall install an online monitoring system at the inlet as well as at the outlet of ETP for monitoring various environmental parameters.
- iv. The project proponent shall make necessary arrangements for the recovery and reuse of steam condensate resulting from the indirect steam applications and shall not allow discharging of such effluents into the drain.
- v. The project proponent shall provide advanced scrubbing systems with proper neutralizing media to handle the acidic/alkaline emissions from storage, handling & processing activities. Wherever required, packed bed scrubbers will also be provided. The suction and scrubbing systems shall also be designed to handle the inherent odours from such units.
- vi. The project proponent shall provide the Air Pollution Control Devices as proposed by the PPCB to control the emissions generated from the boiler within the prescribed parameter.
- vii. The project proponent shall practice rainwater harvesting to maximum possible extent. For this the Project Proponent shall adopt nearest village pond for carrying out rain water harvesting.
- viii. The Project Proponent shall ensure that the natural drainage channels in the project site including streams, drains, choes, creeks, rivulets etc. are not disturbed so that the natural flow of rainwater etc is not impeded or disrupted in any manner.

2.0 Deliberations during 208th meeting of SEIAA held on 23.06.2022.

The case was considered by SEIAA in its 208th meeting held on 23.06.2022 which was attended by the following:

- (i) Sh. Nishant Gupta, Manager on behalf of the project proponent.
- (ii) Sh. Sital Singh, and Sh. Rajiv Garg and Sh. Sandeep Singh, Environmental Consultants from M/s. Chandigarh Pollution Testing Laboratory.

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

To a query by SEIAA, the Project proponent informed that 35% i.e 1480 sqm green area shall be maintained within the project premise as per the norms of the MoEF&CC. Further, 250 tall plants of indigenous tree species shall be planted in the said green area.

To another query by SEIAA, Project Proponent informed that a separate chapter on potential hazards and safety measures to be adopted in the industry along with the Emergency Preparedness plan has already been submitted.

During the discussion, the promoter company agreed to spend an additional amount of Rs. 7.0 Lakhs on CER activities in the vicinity of the project within one year, under the Environmental Management Plan (EMP) of the proposed project as per the details in Table below:

Sr. No	Activities as per OM dated 01.05.2018	Cost (Rs. Lacs)
1.	Provision of Bio Toilets in Village Gobindgarh, Tehsil- Raikot, Ludhiana	3.5
2.	Liquid & solid waste management in the village School.	
3.	Tree plantation in the nearby village	3.5
Total		7.0

Further, the representative of the promoter company agreed to fully comply with all the conditions proposed by SEAC except condition no's (iii) & (viii) of the additional conditions in respect of which it was informed that only a small quantity of effluent will be generated for which ETP-cum-STP of requisite capacity shall be installed and no natural drainage channel is passing through the project site. After examination, SEIAA decided to accept the request of the project proponent and delete condition No's (iii) and (viii) of the additional conditions.

After detailed deliberations, SEIAA decided to accept the recommendations of SEAC and grant Environmental Clearance for the establishment chemical unit for the manufacturing of Formaldehyde @ 200 TPD and Resin/Glue @ 300 TPD by M/s Bansal & Bansal Organics located at Plot no.- A-5, Industrial Focal Point, Raikot, District Ludhiana, Punjab as per the details mentioned in the application and subsequent presentation /clarifications made by the project proponent and his consultant with proposed and special conditions recommended by SEAC and amended / additional/deleted conditions as under:

Amendment in the Conditions proposed by SEAC.

Condition no. (i) of VIII of 'Green Belt'

- i. The green belt shall be developed in more than 33% of the total project area, mainly along the plant periphery, in a downward wind direction, and along roadsides, etc. A total of 250 tall plants of indigenous species will be planted and protected with concrete tree guards and maintained for a period of 5 years.

Condition no. (i) of X of 'Validity'

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

Conditions no. iii of X of 'Environmental Management Plan'

- iii. An action plan for implementing EMP and environmental conditions along with the responsibility matrix of the company shall be prepared and shall be duly approved by the competent authority. The year-wise funds earmarked for environmental protection measures shall be kept in separate accounts and will not be diverted for any other purpose. The project proponent shall spend the minimum amount of Rs. 39 Lacs towards the capital cost and Rs. 5.0 Lacs/annum towards recurring costs in the construction and operation phases of the project as per the details provided in the table below:

Sr. No.	Details	Capital Cost (In Lacs)	Recurring Cost (In Lacs/annum)
1.	APCD	3	0.5
3.	ETP	10	1.5
4.	OCEMS	0	0

5.	Green belt development with maintenance plan for 3 years	5	0.5
6.	Rain Water Harvesting	8	0.3
7.	Environment Monitoring	0.2	0.20
8.	Solid Waste Management	0.70	0.20
9.	Energy Conservation	0.5	0.2
10	Disaster and Risk Management	3	1.5
11.	Miscellaneous	1.6	0.1
12	CER activities *	7.0	-
Total		39.00	5.00

* **CER Activities** : Details of CER Activities are given as under:-

The entire cost of the environmental management plan will continue to be borne by the project

Sr. No	Activities as per OM dated 01.05.2018	Cost (Rs. Lacs)
1.	Provision of Bio Toilets in Village Gobindgarh, Tehsil- Raikot, Ludhiana	3.5
2.	Liquid & solid waste management in the village School.	
3.	Tree plantation in the nearby village	3.5
Total		7.0

proponent for the lifetime of the Project. Year-wise progress of implementation of the action plan shall be reported to the Ministry/Regional Office along with the Six-monthly Compliance Reports.

Condition no's (iii) and (viii) of the Additional Conditions reproduced below are deleted:

- iii. The Project Proponent shall install an online monitoring system at the inlet as well as at the outlet of ETP for monitoring various environmental parameters.
- viii. The Project Proponent shall ensure that the natural drainage channels in the project site including streams, drains, choes, creeks, rivulets, etc. are not disturbed so that the natural flow of rainwater, etc is not impeded or disrupted in any manner.

Additional Condition

- i. The Project proponent shall strictly implement the provision of the Emergency Preparedness plan to ensure safety and human health issues.

Item No. 208.05: Application for issuance of TORs for proposed steel Manufacturing Unit located at Village Ambey Majra, Mandi Gobindarh, Tehsil Amloh, District Fatehgarh Sahib, Punjab by M/s K.L Alloys Private Limited. (Proposal No. SIA/PB/IND/76347 /2022).

Background and salient features of the case

The industry namely M/s K.L Alloys Private Limited is engaged in the manufacturing of steel ingots/billets, MS Round, Bars & Flats @ 28,700 TPA. The industry was granted Consent to Operate under the provisions of the Water Act 1974 & Air Act 1981 for the manufacturing of 82 MTD of steel ingots/billets which is valid up to 30.09.2023.

Now, the industry has proposed for carrying out expansion by increase in the manufacturing of steel ingots/billets, MS Round, Bars & Flats @ 28,700 TPA to 1,57,500. Since, the production capacity of the industry exceeds 30,000 TPA, as such the industry attracts the provisions of activity 3(a) of the schedule appended with the EIA notification dated 14.09.2006.

The industry has applied for the issuance of TORs for setting up of steel Manufacturing Unit located at Village Ambey Majra, Mandi Gobindgarh, Tehsil Amloh, District Fatehgarh Sahib, Punjab. The industry has proposed to manufacture 1,57,500 TPA of Steel Ingots/billets, MS Rounds, Bars, Flats by replacing existing induction Furnace of 7 TPH capacity with 2 new Induction Furnace having a capacity 15 TPH each.

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

The industry submitted Form I, pre-feasibility report, and other additional documents through online portal. The cost of the project is Rs. 30.34 Cr. The industry has deposited Rs.72,300/- vide NEFT no. AXSK221170017155 dated 27.04.2022 & Rs. 3550/- vide NEFT no. AXSK221170017789 dated 27.04.2022 (Rs. 2,27,550/- 75% remaining fee will be deposited at the EC time), as checked & verified by the supporting staff of SEIAA.

1.0 Deliberations during the 221st meeting of SEAC held on 27.05.2022.

The meeting was attended by the following:

- (i) Sh. Manish Dhingra, Director, M/s K.L Alloys Private Limited.
- (ii) Sh. Sital Singh, Environmental Consultant, M/s. Chandigarh Pollution Testing Laboratory.
- (iii) Sh. Sandeep Singh, Consultant, M/s. Chandigarh Pollution Testing Laboratory.

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

Sr. No	Description	Details
1.	Online Proposal No.	SIA/PB/IND/76347/2022
2.	Name and Location of the project	M/s K.L. Alloys Pvt. Ltd. located at Village- Ambey Majra, Mandi Gobindgarh Tehsil- Amloh, District Fatehgarh Sahib, Punjab.
3.	Nature of project (Fresh EC/EC for Expansion/New)	Fresh (ToR)
4.	a) Category b) Activity (As per schedule appended to EIA Notification, 2006 as amended from time to time.)	(a) B1 (b) Metallurgical Industries (ferrous & non-ferrous) (8), Schedule 3(a) as per EIA notification-2006.
5.	Whether project falls within 5km from the boundary of critically polluted area (Yes/No)	No
6.	Undertaking to reflect that project is neither located near to PLPA area nor falls in the PLPA area	No, a self-declaration to the effect that the project does not require the clearance under the provisions of the Punjab Land Preservation Act (PLPA) 1900 submitted
7.	Whether the industry required clearance under the provisions of the Forest Conservation Act 1980 or not:	No, a self-declaration to the effect that no land covered under the Forest Conservation Act 1980 is involved in the project submitted.
8.	Whether the industry required clearance under the provisions of the Wildlife Protection Act 1972 or not:	No wildlife sanctuary is involved in the vicinity or study area of the project site. Thus, the industry does not require clearance under the provisions of the Wildlife Protection Act 1972. A self-declaration in this regard was submitted.
9.	Whether the industry falls within the influence of the Eco-Sensitive Zone or not. (Specify the distance from the nearest Eco-sensitive zone)	The project is not located in any notified eco-sensitive zone.

10.	Classification/Land use pattern as per Master Plan		The industry falls in the industrial zone as per the Master Plan of Mandi Gobindgarh.		
11.	Details of land		Total Land – 10589.89 m ²		
12.	Manpower (Existing & After expansion)		Existing - 80 Proposed – 160 Total- 240		
13.	Project Area Details:				
	S. No.	Details	Existing Land	Proposed Additional Land	Total land after Expansion
	1.	Plot Area (in sqm)	10589.19	Nil	10589.19
14.	Raw Material requirement				
	S. No.	Raw Material	Existing (TPA)	Proposed (TPA)	After Expansion (TPA)
	1.	MS Scrap, Ferro Alloys	30,800	1,44,025	1,74,825
15.	Production Capacity				
	S. No.	Product name	Existing (TPA)	Proposed (TPA)	After Expansion (TPA)
	1.	Steel Ingot/Billets, MS Rounds, TMT Bars, Flats	28,700	1,28,800	1,57,500
16.	Details of major productive machinery/plant				
	S. No.	Particulars	Existing	Proposed	After Expansion
	1.	Induction Furnace, rolling mill	1X7TPH (Upgraded)	2X15 TPH	2X15 TPH
	2.	Rolling mill	18 Ton/hr	Nil	18 Ton/hr
	3.	Concast	01 No.	Nil	01 No.
17.	Water Requirements & its source:				
	S. No.	Description	Existing water demand (KLD)	Proposed water demand (KLD)	Total water demand (KLD)
	1.	Domestic water demand	3.6 KLD	7.2 KLD	10.8 KLD

	2.	Cooling (makeup water)	8.0 KLD	6.0 KLD	14.0 KLD
	Total		24.5 KLD	13.2 KLD	24.8 KLD
18.	Details of Emissions (After expansion)				
	Sr. No.	Source	Capacity (TPH)	Chimney Height (m)	Details of existing & proposed Air Pollution Control Device
	i)	Induction Furnace	2X15 TPH,	30	Side Suction Hood, Spark Arrestor, Bag House, ID Fan (Offline cleaning pulsejet bag filter)
19.	Details of Hazardous waste and its disposal (After expansion)				
	Sr. No.	Hazardous Waste	Category	Quantity (TPA) (After expansion)	Disposal arrangement
	1.	Gas Cleaning Residue (APCD dust)- Bag filter	35.1	0.8	Sent to TSDF site/Madhav Alloys
	2.	Used Oil (kl/annum)	5.1	0.02 kl/annum	Used as Lubricant within the industry/sent to authorized recyclers.
20.	Solid waste generation and its disposal(After expansion)				
	Sr. No.	Solid Waste	Quantity (TPD) (After Expansion)	Disposal arrangement	
	(i)	Slag	30	The slag generated shall be disposed of to the manufacturer of the concrete blocks, pavers and tiles.	
21.	Energy Requirements (After expansion)			10,000 KW	

The Committee observed that the industry falls in the industrial zone as per the Master Plan of Mandi Gobindgarh. After detailed deliberations, SEAC decided to categorize the project under Activity 3(a); B-1 with public consultation as required for the project. The Committee recommended the case to SEIAA to approve the Terms of Reference for the proposed steel Manufacturing Unit located at Village Ambey Majra, Mandi Gobindgarh, Tehsil Amloh, District Fatehgarh Sahib, Punjab for preparing the Environmental Impact Assessment (EIA) report for the proposed project and recommended to SEIAA to issue the following TORs:

STANDARD TERMS OF REFERENCE

I) Executive Summary

Report in about 8-10 pages incorporating the following:

- i) Introduction of the Project and Promoter Company.
- ii) Products and capacities. If expansion proposal, then existing products with capacities and reference to earlier EC.
- iii) Requirement of land, raw material, water, power, fuel, with source of supply (Quantitative)
- iv) Process description in brief, specifically indicating the gaseous emission, liquid effluent and solid and hazardous wastes.
- v) Measures for mitigating the impact on the environment and mode of discharge or disposal.
- vi) Capital cost of the project, estimated time of completion
- vii) Site selected for the project - Nature of land - Agricultural (single/double crop), barren, Govt./private land, status of its acquisition, nearby (in 2-3 km.) water body, population, within 10 km other industries, forest, eco-sensitive zones, accessibility, (note - in case of industrial estate this information may not be necessary)
- viii) Baseline environmental data - air quality, surface and groundwater quality, soil characteristic, flora and fauna, socio-economic condition of the nearby population
Identification of hazards in handling, processing and storage of hazardous material and safety system provided to mitigate the risk.
- ix) Identification of hazards in handling, processing and storage of hazardous material and safety system provided to mitigate the risk
- x) Likely impact of the project on air, water, land, flora-fauna and nearby population
- xi) Emergency preparedness plan in case of natural or in plant emergencies
- xii) Issues raised during public hearing (if applicable) and response given
- xiii) CSR/CER plan with proposed expenditure.
- xiv) Occupational Health Measures
- xv) Post Project monitoring plan
- xvi) Synopsis of the project (Available on <https://decc.punjab.gov.in/>)

II) Introduction

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

III) Project Description

- i) Cost of project and time of completion.
- ii) Products with capacities for the proposed project.
- iii) If expansion project, details of existing products with capacities and whether adequate land is available for expansion, reference of earlier EC if any.
- iv) List of raw materials required and their source along with mode of transportation.
- v) Other chemicals and materials required with quantities and storage capacities.
- vi) Details of Emission, effluents, hazardous waste generation and their management.
- vii) Requirement of water (breakup for induction and rolling mill), power, with source of supply, status of approval, water balance diagram, man-power requirement (regular and contract).
- viii) Process description along with major equipment and machineries, process flow sheet (quantitative) from raw material to products to be provided
- ix) Hazard identification and details of proposed safety systems.
- x) In case of Expansion/modernization proposals:
 - a) Status of compliance of Consent to Operate for the ongoing /existing operation of the project from SPCB shall be attached with the EIA-EMP report.
 - b) In case the existing project has not obtained environmental clearance, reasons for not taking EC under the provisions of the EIA Notification 1994 and/or EIA Notification 2006 shall be provided. Copies of Consent to Establish/No Objection Certificate and Consent to Operate (in case of units operating prior to EIA Notification 2006, CTE and CTO of FY 2005-2006) obtained from the SPCB shall be submitted. Further, compliance report to the conditions of consents from the SPCB shall be submitted.

IV) Site Details

- i) Location of the project site covering village, Taluka / Tehsil, District and State, Justification for selecting the site, whether other sites were considered. Copy of

Master Plan indicating a land use pattern of the site is in conformity of proposals of Master Plan shall be attached with EIA report.

- ii) A top sheet of the study area of radius of 10 km and site location on 1:50,000/1:25,000 scale on an A3/A2 sheet. (Including all eco-sensitive areas and environmentally sensitive places)
- iii) Details w.r.t. option analysis for selection of site.
- iv) Co-ordinates (lat-long) of all four corners of the site.
- v) Google map-Earth downloaded of the project site
- vi) Layout maps indicating existing unit as well as proposed unit indicating storage area of raw material, finished products, greenbelt area with marking of tree, Location of STP/ETP, Solid waste storage area, Parking space, Firefighting equipment layout, First aid room, Location of Tube wells, DG Sets & Transformers and any other utilities
- vii) If located within an Industrial area/Estate/Complex, layout of Industrial Area indicating location of unit within the Industrial area/Estate.
- viii) Photographs of the proposed and existing (if applicable) plant site. If existing, show photographs of plantation/greenbelt, in particular.
- ix) Land use break-up of total land of the project site (identified and acquired), government/private - agricultural, forest, wasteland, water bodies, settlements, etc. shall be included. (not required for industrial area)
- x) A list of major industries with name and type within study area (10 km radius) shall be incorporated. Land use details of the study area.
- xi) Geological features and Geo-hydrological status of the study area shall be included.
- xii) Details of Drainage of the project up to 5km radius of study area. If the site is within 1 km radius of any major river, peak and lean season river discharge as well as flood occurrence frequency based on peak rainfall data of the past 30 years. Details of Flood Level of the project site and maximum Flood Level of the river shall also be provided. (mega green field projects)
- xiii) Status of acquisition of land. If acquisition is not complete, stage of the acquisition process and expected time of complete possession of the land.
- xiv) R&R details in respect of land in line with state Government policy

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

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

- ii) Land use map based on High resolution satellite imagery (OPS) of the proposed site delineating the forestland (in case of projects involving forest land more than 40 ha).
- iii) Status of Application submitted for obtaining the stage I forestry clearance along with latest status shall be submitted.
- iv) The projects to be located within 10 km of the National Parks, Sanctuaries, Biosphere Reserves, Migratory Corridors of Wild Animals, the project proponent shall submit the map duly authenticated by Chief Wildlife Warden showing these features vis-a-vis the project location and the recommendations or comments of the Chief Wildlife Warden-thereon.
- v) Wildlife Conservation Plan duly authenticated by the Chief Wildlife Warden of the State Government for conservation of Schedule I fauna, if any exists in the study area.
- vi) Copy of application submitted for clearance under the Wildlife (Protection) Act, 1972, to the Standing Committee of the National Board for Wildlife.
- vii) In case, no diversion of Forest land, Eco Sensitive area/ National park/Wild Life Sanctuary within 10 Km then the project proponent will submit the NOC from the concerned territorial / wildlife DFO's that no Forest/PLPA/Wildlife areas are involved, at the time of submission of EIA report

VI) Environmental Status

- i) Determination of atmospheric inversion level at the project site and site specific micro-meteorological data using temperature, relative humidity, hourly wind speed and direction and rainfall.
- ii) AAQ data (except monsoon) at 8 locations for PM 10, PM2.5, SO₂, NO_x, CO and other parameters relevant to the project shall be collected. The monitoring stations shall be based CPCB guidelines and take into account the pre dominant wind direction, population zone and sensitive receptors including reserved forests.
- iii) Raw data of all AAQ measurement for 12 weeks of all stations as per frequency given in the NAQQM Notification of Nov. 2009 along with - min., max., average and 98% values for each of the AAQ parameters from data of all AAQ stations should be provided as an annexure to the EIA Report.
- iv) Surface water quality of nearby River (100m upstream and downstream) and other surface drains at eight locations as per CPCB/MoEF& CC guidelines.
- v) Whether the site falls near to polluted stretch of river identified by the CPCB/MoEF& CC.
- vi) Groundwater monitoring at minimum at 8 locations shall be included.

- vii) Noise levels monitoring at 8 locations within the study area.
- viii) Soil Characteristic as per CPCB guidelines.
- ix) Traffic feasibility / serviceability study for at least 5 days based on Indian Standard Codes. Further it shall also include the details of cross section of the road on which industry is located, vehicles movement w.r.t. the industry, traffic load of other vehicles on the road incorporating the haulage time for the vehicles for loading/unloading within the premises and parking requirement to avoid the traffic congestions on the link and adjoining roads. Traffic study shall be conducted considering the traffic of the industries located in the vicinity.
- x) Detailed description of flora and fauna (terrestrial and aquatic) existing in the study area shall be given with special reference to rare, endemic and endangered species. If Schedule-I fauna are found within the study area, a Wildlife Conservation Plan shall be prepared and furnished.
- xi) Socio-economic status of the study area.
- xii) Baseline data should not be older than 3 years.

VII) Impact Assessment and Environment Management Plan

- i) Assessment of ground level concentration of pollutants from the stack emission based on site-specific meteorological features. In case the project is located on a hilly terrain, the AQIP Modeling shall be done using inputs of the specific terrain characteristics for determining the potential impacts of the project on the AAQ. Cumulative impact of all sources of emissions (including transportation) on the AAQ of the area shall be well assessed. Details of the model used and the input data used for modeling shall also be provided. The air quality contours shall be plotted on a location map showing the location of project site, habitation nearby, sensitive receptors, if any.
- ii) Water Quality modelling.
- iii) Impact of the transport of the raw materials and end products on the surrounding environment shall be assessed and provided. In this regard, options for transport of raw materials and finished products and wastes (large quantities) by rail or rail-cum road transport or conveyor-cum-rail transport shall be examined.
- iv) A note on treatment, recycling and reuse of wastewater from different plant operations, extent for different purposes shall be included. Complete scheme of effluent treatment. Characteristics of untreated and treated effluent to meet the prescribed standards of discharge under EPA Rules.
- v) Details of stack emission and action plan for control of emissions to meet standards.

- vi) Measures for fugitive emission control
- vii) Details of hazardous waste generation and their storage, utilization and disposal. Copies of MOU regarding utilization of solid and hazardous waste shall also be included. EMP shall include the concept of waste-minimization, recycle/reuse/recover techniques, Energy conservation, and natural resource conservation.
- viii) Proper utilization of fly ash shall be ensured as per Fly Ash Notification, 2009. A detailed plan of action shall be provided.
- ix) Action plan for the green belt development in 33 % area with not less than 1,500 trees per hectares giving details of species, width of plantation, planting schedule, post plantation maintenance plan for 3 years shall be included. The green belt shall be around the boundary and a scheme for greening of the roads used for the project shall also be incorporated.
- x) Action plan for rainwater harvesting measures at alternative sites shall be submitted to harvest rainwater from the roof tops and storm water drains to recharge the groundwater and also to use for the various activities to conserve freshwater and reduce the water requirement from other sources.
- xi) Total capital cost and recurring cost/annum for environmental pollution control measures shall be included.
- xii) Action plan for post-project environmental monitoring shall be submitted.
- xiii) Onsite and Offsite Disaster (natural and Man-made) Preparedness and Emergency Management Plan including Risk Assessment and damage control. Disaster management plan should be linked with the District Disaster Management Plan.

VIII) Occupational health

- i) Details of existing Occupational & Safety Hazards. What are the exposure levels of above-mentioned hazards and whether they are within the Permissible Exposure Level (PEL)? If these are not within PEL, what measures the company has adopted to keep them within PEL so that the health of the workers can be preserved.
- ii) Details of exposure specific health status evaluation of worker. If the workers' health is being evaluated by pre-designed format, chest x rays, Audiometry, Spirometry, Vision testing (Far & Near vision, colour vision and any other ocular defect) ECG, during pre-placement and periodical examinations give the details of the same. Details regarding last month analysed data of above-mentioned parameters as per age, sex, duration of exposure and department wise.

- iii) Annual report of the health status of workers with special reference to Occupational Health and Safety.
- iv) Plan and fund allocation to ensure the occupational health & safety of all contract and casual workers.

IX) Corporate Environment Policy

- i) Does the company have a well laid down Environment Policy approved by its Board of Directors? If so, it may be detailed in the EIA report.
- ii) Does the Environment Policy prescribe for standard operating processes/procedures to bring into focus any infringement/deviation/violation of the environmental or forest norms/conditions? If so, it may be detailed in the EIA.
- iii) What is the hierarchical system or Administrative order of the company to deal with the environmental issues and for ensuring compliance with the environmental clearance conditions? Details of this system may be given.
- iv) Does the company have a system of reporting of non-compliances / violations of environmental norms to the Board of Directors of the company and / or shareholders or stakeholders at large? This reporting mechanism shall be detailed in the EIA report
- v) Details regarding infrastructure facilities such as sanitation, fuel, restroom, etc. to be provided to the labour force during construction as well as to the casual workers including truck drivers during the operation phase.

X) Enterprise Social Commitment (ESC)

- i) The project proponent shall propose activities in lieu of Corporate Environmental Responsibility (CER) in the Environmental Management Plan as per the provisions of OM dated 25.02.2021 issued by the MoEF&CC.
- ii) Any litigation pending against the project and/or any direction/order passed by any Court of Law against the project, if so, details thereof shall also be included. Has the unit received any notice under the Section 5 of Environment (Protection) Act, 1986 or relevant Sections of Air and Water Acts? If so, details thereof and compliance/ATR to the notice(s) and present status of the case.
- iii) A tabular chart with index for points wise compliance of above TORs.

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

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

- ii) Total no. of furnaces & details including capacity of each furnace.
- iii) Detail of the mechanical shredder to reduce the size of the raw material.
- iv) Complete process flow diagram describing each unit, its processes, and operations, along with material and energy inputs and outputs (material and energy balance).
- v) Details on the design and manufacturing process for all the units.
- vi) Details on environmentally sound technologies for recycling of hazardous materials, as per CPCB Guidelines, may be mentioned in case of handling scrap and other recycled materials.
- vii) Details on the requirement of raw materials, its source, and storage at the plant.
- viii) Details on the requirement of energy and water along with its source and authorization from the concerned department. Location of water intake and outfall points (with coordinates).
- ix) Details on toxic metal content in the waste material and its composition and end-use (particularly of slag).
- x) Details on toxic content (TCLP), composition and end-use of chrome slag. Details on the recovery of the Ferro chrome from the slag and its proper disposal.

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

- i) Public consultation is required for the project as it is not located in a notified industrial park/estate.
- ii) The project proponent shall submit complete proposal for the management of ash at the time of submission of EIA report for obtaining environmental clearance
- iii) Submit proof of ownership of land (existing owner) such as copy of latest Jamabandi (not more than one month old) and credible document showing status of land acquisition w.r.t. project site (as prescribed in OM dated 07.10.2014 issued by MoEF)
- iv) Submit dully filled prescribed field data sheets and analysis reports along with exact location of sampling / monitoring point marked on the layout map. Also submit the status of approvals of Laboratories.
- v) Submit cost of the project duly certified by Chartered Engineer/ Approved valuer / Chartered Accountant. In the absence of above, the project proponent may submit self-certified detail of cost of the project mentioning the cost of Land, building, infrastructure and plant and machinery.

- vi) Certificate from the concerned authority w.r.t the location of protected areas as notified under the Wildlife Protection Act, 1972 within 5 km radius from the boundary of the project site.
- vii) Certificate from the Department of Town & Country Planning or concerned authorities to support the claim made by project proponent that the project site is located in the industrial zone as per the provisions of Master Plan of Town/City in the jurisdiction of which the project site is located or the project proponent shall submit the Change of land use of the project site for total land area.
- viii) Compliance of the siting criteria, standard operating practices, code of practice, and guidelines if any prescribed by the SPCB/CPCB/MoEF&CC for such type of units.
- ix) Necessary permissions from the Central Groundwater Authority (CGWA)/ State Groundwater Authority (SGWA)/concerned authority for the abstraction of groundwater for the existing requirements as well as for the expanded unit. In case of not allowing such permission by the concerned authority for the abstraction of additional groundwater for the expanded project, the project proponent shall propose alternative arrangements to meet out the additional water requirements. It shall be ensured that: -
 - a) In the projects where groundwater is proposed as a water source, the project proponent shall apply to the Central Groundwater Authority (CGWA)/ State Groundwater Authority (SGWA), as the case may be, for obtaining No Objection Certificate (NOC) if applicable.
 - b) Approval /permission of the CGWA/SGWA shall be obtained before drawing groundwater for the project activities.
 - c) In the absence of approval, submit a copy of acknowledgment along with a set of application filed to CGWA /Competent Authority for obtaining permission for the abstraction of groundwater
- x) Minimize the water consumption in the steel plant complex by segregation of used water, practicing cascade use and by recycling treated water.
- xi) STP for treatment of wastewater & re-utilization of the treated water for core/non-core activities so as to achieve the Zero Liquid Discharge Condition as per the III (iv) of OM dated 09/08/2018 issued by the MoEF&CC for such units.
- xii) Reuse of cooling tower blow down, simultaneously ensuring the standards prescribed for such purge waters. If required, necessary arrangements shall be made to keep this waste stream within the parameters required for reuse.

- xiii) In case of any acid pickling activity, the spent acid/effluents generated from such activities shall be utilized through authorized re-processors for converting the same into useful by-products like FeSO₄ etc. An agreement to this effect shall be made with the authorized agencies.
- xiv) Adequate area to be reserved and marked on the layout plan for the green belt as per the conditions laid down by the MoEF&CC as per the Standard EC Conditions prescribed for Induction/ Electric Arc Furnace & Rolling Mills circulated vide OM dated 09/08/2018.
- xv) Detailed study report along with calculation for reserving land for loading or unloading of raw material, products, slag, hazardous waste as well as for storage of these materials and the area to be reserved for parking incorporating the time required for loading and unloading of vehicles for respective activities and minimum/maximum period for which storage of the above material is required in the premises. The areas for the respective activities to be marked on the layout plan.
- xvi) Action plan for the compliance of standard operating procedures and up-gradation of suction and treatment arrangement for the secondary emissions as prescribed by the State Pollution Control Board or by CPCB/MoEF&CC.
- xvii) Compliance of standard operating procedures and up-gradation of suction/treatment systems for the control of secondary emissions within the time frame prescribed by the State Pollution Control Board. Similar action is to be implemented in the proposed expansion project.
- xviii) Whole of the vehicle movement area as well as the approach road to the gate /weighing bridge shall be paved with pucca/metalled / cement concrete road to control the dust emissions expected from the vehicle movement.
- xix) The vehicles to be used for loading/unloading purposes shall not be parked along the roadside so as to avoid the traffic congestion and dedicated parking place to be provided for the same.
- xx) Adopt green technologies to conserve the water and energy including shearing/cutting / bundling machines. Also, to provide abrasive resistant fire bricks in the crucibles to reduce the periodic maintenance & disposal of discarded fire bricks.
- xxi) Use of natural gas (if available) as substitute fuel wherever possible in the existing industry/ for the expansion project.
- xxii) Submit compliance w.r.t. condition no.II [(i) & (iii)] subtitled as "Air Quality Monitoring & Preservation" regarding continuous emission monitoring system and

continuous ambient air quality monitoring as prescribed in the Standard EC Conditions for Induction/ Electric Arc Furnace & Rolling Mills issued by the MoEF&CC, New Delhi vide OM dated 09/08/2018.

xxiii) Examine and submit the proposal for: -

- a) Recovery of iron from slag before disposing of it.
- b) Identify the areas for utilization of slag in a scientific manner and explore its usage in cement/construction industry/manufacturing of pavers & tiles/road laying etc.
- c) Recovery of precious metals like Zinc, lead and iron etc. from the APCD dust (Hazardous waste) through authorized re-processor.

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

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

- xxv) Submit compliance regarding the installation of Pulse jet bag filter with offline cleaning technology as APCD with the proposed induction furnace.
- xxvi) List the species with heavy foliage, broad leaves and wide canopy cover. The landscape planning should include plantation of native species. Water intensive and/or invasive species should not be used for landscaping.
- xxvii) The project proponent shall collect the baseline data for three months (except monsoon season) as per MOEF&CC office memorandum dated 29.08.2017. For this, monitoring data of M/s Devbhoomi Casting Pvt. Ltd. falls within the buffer zone of the project collected during the period from 1st October 2021 to 31st December, 2021 may be utilized. Besides this, one-month additional study shall be undertaken at the project site from 15th January 2022 to 15th February, 2022.

XIII) General Guidelines:

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

- (ii) All documents shall be properly indexed, page numbered.
- (iii) Period/date of data collection shall be clearly indicated.
- (iv) The letter/application for environmental clearance shall quote the SEIAA file No. and also attach a copy of the letter.
- (v) The copy of the letter received from SEIAA shall be also attached as an annexure to the final EIA-EMP Report.
- (vi) The index of the final EIA-EMP report must indicate the specific chapter and page no. of the EIA-EMP Report.

2.0 Deliberations during the 208th meeting of SEIAA held on 23.06.2022.

The case was considered by SEIAA in its 208th meeting held on 23.06.2022 which was attended by the following:

- (i) Sh. Manish Dhingra, Director, M/s K.L Alloys Private Limited.
- (i) Sh. Sital Singh, and Sh Sandeep Singh, Environmental Consultants from 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 case stands recommended by SEAC for issuance of ToRs to the project proposal. SEIAA examined the details of the case and was satisfied with the same.

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

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

Item No. 208.06: Application for extension in the validity of Environmental clearance granted under EIA notification dated 14.09.2006 to M/s Kay Ell Dee Metaliks Pvt. Ltd., for production of Steel Ingots- 84000TPA and TMT Bars- 35000TPA capacity at Village- Ambey Majra, Tehsil- Mandi Gobindgarh, District- Fatehgarh Sahib (Proposal No. SIA/PB/IND/270409/2022).

Background and salient features of the case

The industry was granted Environmental Clearance by MoEF&CC under EIA notification dated 14.09.2006 for the establishment of a Steel Unit for manufacturing of Steel Ingots @ 84000TPA and TMT Bars @ 35000TPA at Village- Ambey Majra, Tehsil- Mandi Gobindgarh, District- Fatehgarh Sahib vide no. zk-11011/414/2009-IA-II (I) dated 22 June 2011 which is valid up to 21.06.2018. Thereafter, the Project Proponent was granted an extension in validity of Environment Clearance vide letter no. SEIAA/2018/932 dated 16.07.2018, up to 15.07.2021.

The industry has submitted an application for extension in validity of the Environmental Clearance and submitted Form-6, compliance of the earlier Environmental Clearance granted to the industry and analysis reports. The cost of the project is Rs. 19.95 Cr. The industry has deposited Rs. 1,99,500/- vide NEFT No.- N132221955746442 dated 12.05.2022 as checked & verified by the supporting staff of SEIAA.

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

As per the notification dated 18.01.2021 issued by MoEF&CC, the period from 1st April 2020 to the 31st March 2021 shall not be considered for the purpose of calculation of the period of validity of Prior Environmental Clearance. The relevant para of the office circular is as under:

“9A. Notwithstanding anything contained in this notification, the period from the 1st April, 2020 to the 31st March, 2021 shall not be considered for the purpose of calculation of the period of validity of Prior Environmental Clearances granted under the provisions of this notification in view of the outbreak of Corona Virus (COVID-19) and subsequent lockdowns (total or partial) declared for its control, however, all activities undertaken during this period in respect of the Environmental Clearance granted shall be treated as valid.”

In compliance to the above said notification, the period from the 1st April 2020 to the 31st March, 2021 has not been taken into account while calculating prior Environmental Clearance, as such, the Environmental Clearance granted to the industry is still valid up to 15.07.2022.

1.0 Deliberations during the 221st meeting of SEAC held on 27.05.2022.

The meeting was attended by the following:

- (i) Munish Dhingra, Director, M/s Kay Ell Dee Metaliks Pvt. Ltd.
- (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 observed that the Project Proponent was earlier granted Environmental Clearance on 22 June 2011 which is valid up to 21.06.2018. Thereafter, the Project Proponent was granted an extension in validity of Environment Clearance on 16.07.2018 up to 15.07.2021. Even after the span of 11 years, the project proponent failed to implement the project in accordance with the Environmental Clearance granted to the Project Proponent. The Project Proponent apprised the Committee that the Project could not be completed due to a delay in getting the statutory approvals from different Departments. He further, apprised that now he has got the approval from PSPCL regarding power supply of 15000 KW & also enhanced the credit limit from the Bank and will be able to complete the entire project within the time frame of the extension sought under Environmental Clearance. He, therefore, requested the Committee to again extend the validity of Environmental Clearance.

After deliberations, SEAC decided to forward the application to SEIAA with the recommendation to grant an extension in validity of Environmental Clearance.

2.0 Deliberations during the 208th meeting of SEIAA held on 23.06.2022.

The case was considered by SEIAA in its 208th meeting held on 23.06.2022 which was attended by the following:

- (i) Sh. Munish Dhingra, Director, M/s Kay Ell Dee Metaliks Pvt. Ltd.
- (ii) Sh. Sital Singh, and Sh. Sandeep Singh, Environmental Consultant from M/s. Chandigarh Pollution Testing Laboratory.

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

SEIAA was apprised that as per the MoEF&CC Notification dated 12.04.2018, the period of validity of Environmental Clearance with respect to the Projects and Activities listed in this sub-paragraph and sub-paragraphs (ii) may be extended in respect of valid Environmental Clearance, by the regulatory authority concerned by a maximum period of two years in the case of River Valley projects, five years in the case of Nuclear power projects and processing of nuclear fuel and *one year in the case of all other projects*, if an application is made in the laid down proforma to the

regulatory authority by the applicant within the validity period of the existing Environmental Clearance: Provided further that the regulatory authority may also consult the concerned Expert Appraisal Committee before granting of such extension.

To a query by SEIAA, the Project proponent informed that at present, there is vacant land and no construction work of the project has been done at the site. However, all stipulated conditions of the EC during the construction phase would be fully implemented. Further, the requisite 6 monthly compliance reports would also be submitted/uploaded as per EC conditions.

During discussions, the representative of the promoter company agreed to fully comply with all the conditions proposed by SEAC and also undertake additional CER activities of Rs 40 lakhs (2% of the total project cost) for which the detailed plan would be submitted within 02 months.

The SEIAA observed that the case stands recommended by SEAC for grant of extension in validity of Environmental Clearance. The SEIAA looked into the details of the case and was satisfied with the same.

After detailed deliberations, SEIAA decided to accept the recommendations of SEAC and extend the validity of environmental clearance for the next one year i.e. up to 15.07.2023 as per the Notification dated 12.04.2023 with the following additional conditions:

- (i) A detailed CER Plan of 40 lacs will be prepared and submitted for approval to SEIAA, within 02 months' time.
- (ii) This Environmental Clearance is liable to be revoked without any further notice to the Project Proponent in case of failure to comply with condition (i) above.

Item no. 208.07: Application for environment clearance under EIA notification dated 14.09.2006 for the establishment of group housing project namely “Amritsar One” located at Shubham Enclave besides NH-1, Amritsar Punjab by M/s ATM Estate Pvt. Ltd. (Proposal no. SIA/PB/MIS/243835/2021).

Background and salient features of the case are as under:

The project was granted environment clearance vide MoEF&CC letter no. 21-42/2010-IA.III dated 20.04.2011 for the establishment of a group housing project namely “Amritsar One” located at Shubham Enclave beside NH-1, Amritsar Punjab. The total land area of the project was 3.27 hectares with a built-up area of 51,383.45 sqm.

The Project Proponent mentioned in the proposal that the construction work pertaining to the following towers has been started in the mid of the year 2011 and the construction continued till 2017 in accordance with the earlier Environment Clearance granted to the promoter company. The tower-wise status of construction activity carried out till date is as under:

Tower Name	Type of DU	Total No. of Buildings in each Tower	Total No. of Slabs in each Building	Total No. of Slabs	Slab Work Completed	Pending Slab	Remarks
Tower 1	Type A	2	9	18	0	18	Construction pending
Tower 2	Type A & Type B	4	10	40	30	10	Partly construction pending
Tower 3	Type C & Type G (Duplex Penthouse)	2	11	22	22	0	Construction completed
Tower 4	Type D & Type H (Duplex Penthouse)	1	11	11	11	0	Construction completed
Tower 5	Type L (EWS)	1	8	8	0	8	Construction pending
-	Type E	2	3	6	6	0	Construction completed
Club	-	1	2	2	0	2	Construction pending

The Project Proponent also mentioned in the application that at the time of the earlier Environmental Clearance granted to the Promoter Company, the Non-FAR area was not taken into account in the total built-up area of the project. The Office Circular issued by MoEF&CC vide no. 19-127/2011-IA-III dated 02.04.2012 stated that the built-up area is the covered area on all the floors put together including the basement (s) and other service areas which are proposed in the building/construction project. The Environmental Clearance was granted to the promoter company prior to the issuance of the said circular as such it may be possible that earlier the Non-FAR area has not been taken into account while calculating the total built-up area.

The project proponent has applied a fresh proposal after including FAR & Non-FAR area as 65,343.18 sqm. The project is covered under activity 8 (a) and category B(2) of the schedule appended with the EIA notification dated 14.09.2006. The Project proponent has submitted Form-1 and additional documents. The project proponent has deposited processing fee of Rs.27,920/- through UTR no. BARBX21337449434 dated 04.12.2021 and Rs. 1,02,768/- vide UTR No. BARBV22094566633 dated 04.04.2022, as checked and verified by the supporting staff of SEIAA.

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

Punjab Pollution Control Board through e-mail dated 05.05.2022 has sent the latest construction status report with details as under:

"It is intimated that Housing project namely "Amritsar One" located at Shubham Enclave besides NH-1, Amritsar, Punjab email dated 13.04.2022 received in this office. Accordingly, the site was visited by an officer of this office on 04.05.2022 and the following points were observed : -

- 1. The project is constructed in a plot area of 32,685.28 sq.m. 65% of construction activities has been done within the project as per earlier granted environmental clearance. Further, no construction activity is being carried out presently.*
- 2. As per the boundary limits site shown by the Project Proponent during the visit, Maple Leaf Towers, Shubham Enclave & Sri Guru Teg Bahardur College are located on West side;NH-1 is located at a distance of approx. 300 m on the southern side &a distributary is flowing at a distance of approx. 200 m in Eastern side of the project.*
- 3. The project proponent has already obtained CLU vide No. MTP/1588 dated 27.07.2018 issued by Municipal Town Planner, Amritsar, and the site is suitable for setting up of such type of projects."*

1.0 Deliberations during the 221st meeting of SEAC held on 27.05.2022.

The meeting was attended by the following:

- (i) Sh. Kapil Sachdeva, Director, M/s ATM Estates Pvt. Ltd.
- (ii) Mr. Sandeep Garg, EIA Coordinator, M/s Eco Laboratories Pvt Ltd.
- (iii) Mrs. Simranjit Kaur, EIA Coordinator, M/s Eco Laboratories Pvt. Ltd.

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

Sr. No.	Description	Details
1	Basic Details	
1.1	Name of Project & Project Proponent:	Group Housing project namely "Amritsar One" at Shubham Enclave, Besides NH-1, Amritsar, Punjab by M/s ATM Estates Pvt. Ltd.
1.2	Proposal:	SIA/PB/MIS/243835/2021
1.3	Location of Project:	Shubham Enclave, Besides NH-1, Amritsar, Punjab.
1.4	Details of Land area & Built-up area:	Site area: 32,685.28 sq.m. (3.27 ha) Built-up area: 65,343.18 sq. m
1.5	Category under EIA notification dated 14.09.2006	The project falls under activity 8(a) - 'Building & Construction Project' Category B2 as the built-up area of project is 65,343.18 sq. m.
1.6	Cost of the project	Rs. 137.46 Crores
2.	Site Suitability Characteristics	
2.1	Whether the project is suitable as per the provisions of the Master Plan:	The project falls under the residential zone as per the Master Plan of Amritsar. Copy of Master Plan showing project location is enclosed along with the application.
2.2	Whether supporting document submitted in favour of statement at 2.1, details thereof: (CLU/building plan approval status)	A copy of the letter issued by the Municipal Town Planner, Municipal Corporation, Amritsar vide no. MTP/1588 dated 27.07.2018, wherein it has been mentioned that the CLU for the group housing project "ATM Estate Private Limited" has been approved vide Commissioner order dated 12.10.2010 submitted.
3	Forest, Wildlife and Green Area	
3.1	Whether the project required clearance under the provisions of the Forest Conservations Act 1980 or not:	No forest land is involved in the project. A self-declaration in this regard was submitted.

3.2	Whether the project required clearance under the provisions of the Punjab Land Preservation Act (PLPA), 1900.	Not submitted any details in this regard.
3.3	Whether the project required clearance under the provisions of the Wildlife Protection Act 1972 or not:	There is no wildlife or bird sanctuary within 10 km of the project location. Thus, Wildlife Clearance is not required. A self-declaration in this regard was submitted.
3.5	Whether the project falls within the influence of the Eco-Sensitive Zone or not.	No, there is no wildlife or bird sanctuary within 10 km of the project location
3.6	Green area requirement and proposed No. of trees:	Total green area: 5,350.989 sq. m (@ 16.37%) Proposed trees to be planted: 425 nos.

4. Configuration & Population

4.1 Configuration

484 residential flats including EWS flats and club building. The configuration details are as under:

Tower Name	Type of DU	No. of DUs	FAR (in sq.m.)	Non-FAR (in sq.m.)	Built-up Area (in sq.m.)
Tower 1	Type A	63	6208.402	2209.386	8417.788
Tower 2	Type A & Type B	72 + 72 = 144	14842.79	4630.152	19472.94
Tower 3	Type C & Type G (Duplex Penthouse)	64 + 8 = 72	9117.766	3167.333	12285.1
Tower 4	Type D & Type H (Duplex Penthouse)	32 + 4 = 36	5033.231	1815.439	6848.67
Tower 5	Type L (EWS)	49	1513.883	100.5809	1614.464

	-	Type E	120	13827.137	2055.5133	15882.65
	Club	-	-	821.5613	-	821.5613
			484 Flats	51,364.77	13,978.4	65,343.18
4.2	Population details	2,722 persons (residential population @ 2420 & Staff and Visitors @ 302)				
5	Water					
5.1	Total freshwater requirement:	220 KLD				
5.2	Source:	Borewell				
5.3	Whether Permission obtained for abstraction/supply of the freshwater from the Competent Authority (Y/N) Details thereof	Acknowledgement of the application for abstraction of 220 KLD ground water from PWRDA has been submitted.				
5.4	Total wastewater generation:	266 KLD				
5.5	Treatment methodology: (STP capacity, technology & components)	300 KLD capacity based on MBBR technology followed by UF Plant.				
5.6	Treated wastewater for flushing purpose:	113 KLD				
5.7	Treated wastewater for green area in summer, winter and rainy season:	Proposal for utilizing the below mentioned quantity of treated wastewater for development of green area of 5350.989 sqm. Summer: 29 KLD Winter: 10 KLD Monsoon: 3 KLD				
5.8	Utilization/Disposal of excess treated wastewater.	Proposal for discharging the below mentioned excess quantity of treated wastewater into sewer. Summer: 119 KLD Winter: 138 KLD Monsoon: 145 KLD The Project Proponent has submitted a copy of permission letter issued by Municipal Town Planner, Amritsar vide letter dated 09.09.2010, wherein it has been mentioned that the Project Proponent has to deposit the sewerage sharing charges before connecting the sewer of the proposed site with MC Sewer,				

		Amritsar. The Department has no objection for connection of sewer after deposition of requisite fee.														
5.9	Cumulative Details:															
	<table border="1"> <thead> <tr> <th>Sr. No.</th> <th>Total water Requirement</th> <th>Total wastewater generated</th> <th>Treated wastewater</th> <th>Flushing water requirement</th> <th>Green area requirement</th> <th>Into sewer</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>333 KLD</td> <td>266 KLD</td> <td>261 KLD</td> <td>113 KLD</td> <td>Summer: 29 KLD Winter: 10 KLD Monsoon: 3 KLD</td> <td>Summer: 119 KLD Winter: 138 KLD Monsoon: 145 KLD</td> </tr> </tbody> </table>	Sr. No.	Total water Requirement	Total wastewater generated	Treated wastewater	Flushing water requirement	Green area requirement	Into sewer	1.	333 KLD	266 KLD	261 KLD	113 KLD	Summer: 29 KLD Winter: 10 KLD Monsoon: 3 KLD	Summer: 119 KLD Winter: 138 KLD Monsoon: 145 KLD	
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1.	333 KLD	266 KLD	261 KLD	113 KLD	Summer: 29 KLD Winter: 10 KLD Monsoon: 3 KLD	Summer: 119 KLD Winter: 138 KLD Monsoon: 145 KLD										
5.10	Rainwater harvesting proposal:	Total 6 nos. of Rainwater recharging pits are proposed for rainwater recharging within the project premises. Out of which, 3 have already been constructed within the project premises.														
6	Air															
6.1	Details of Air Polluting machinery:	Total 2 nos. of DG set of capacity 500 KVA & 125 KVA have been proposed for power back up.														
6.2	Measures to be adopted to contain particulate emission/Air Pollution	DG sets will be equipped with an acoustic enclosure to minimize noise generation and adequate stack height for proper dispersion.														
7	Waste Management															
7.1	Total quantity of solid waste generation	1,028 kg/day (2420 X 0.4 Kg/capita/day= 968 kg/day & 302 X 0.2 kg/capita/day= 60.4 kg/day														
7.2	Details of management and disposal of solid waste (Mechanical Composter/Compost pits)	During Operation Phase, about 1,028 kg/day @ 0.4 kg/capita/day for residential & @ 0.2 kg/capita/day for floating/visitors) of solid waste will be generated. The solid waste shall be duly segregated into biodegradable and non-biodegradable components. Biodegradable waste will be managed by the installation of a Mechanical Composter of capacity 500 kg and manure generated will be utilized within the project for landscaping. Inert waste will be disposed of at our own cost to an approved dumping site or disposal site of MC, Amritsar. While domestic hazardous waste will be handed over to authorized vendors approved by PPCB.														
7.5	Details of management of Hazardous Waste.	Hazardous waste in the form of used oil from the DG set will be generated which will be sold to authorized vendors as per The Hazardous & Other Wastes (Management & Transboundary Movement) Rules, 2016 and its amendments.														

8	Energy Saving & EMP																																								
8.1	Power Consumption:	The total power requirement for the project will be 2,750 KW.																																							
8.2	Energy-saving measures:	Solar panels have been proposed on the rooftop of the building. The project will generate 250 KW of power generation.																																							
8.3	Details of activities under Environment Management Plan.	<p>Mr. Kapil Sachdeva (Director) of M/s ATM Estates Pvt. Ltd. will be responsible for the implementation of the Environment Management Plan (EMP).</p> <table border="1"> <thead> <tr> <th>Sl. No.</th> <th>Details</th> <th>Capital Cost (In Lacs)</th> <th>Recurring Cost (Lacs/annum)</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>During Construction phase</td> <td>264</td> <td>13</td> </tr> <tr> <td>2.</td> <td>During Operation phase</td> <td>-</td> <td>19</td> </tr> </tbody> </table> <p style="text-align: center;">Expenditure on typical Environmental Measures in the remaining construction Phase</p> <table border="1"> <thead> <tr> <th>Description</th> <th>Capital Rs. Lakhs</th> <th>Recurring Cost Rs. Lakhs/annum</th> </tr> </thead> <tbody> <tr> <td>Waste Water Management (STP of 300 KLD, MBBR-UF)</td> <td>50</td> <td>3</td> </tr> <tr> <td>Air & Noise Pollution Management: (Tarpaulin sheets, Acoustics enclosures for DG sets).</td> <td>10</td> <td>1</td> </tr> <tr> <td>Landscaping</td> <td>10</td> <td>1</td> </tr> <tr> <td>Rainwater Recharging (3 pits)</td> <td>10</td> <td>1</td> </tr> <tr> <td>Environmental Monitoring</td> <td>4</td> <td>4</td> </tr> <tr> <td>Solid Waste Management (including mechanical composter of size 500 kg)</td> <td>30</td> <td>2</td> </tr> <tr> <td>Energy Conservation Measures (Solar lighting, CFL & solar panel system)</td> <td>150</td> <td>1</td> </tr> <tr> <td>TOTAL</td> <td>264 Lakhs</td> <td>13 Lakhs</td> </tr> </tbody> </table> <p style="text-align: center;">Expenditure on typical Environmental Measures During Operation Phase</p>	Sl. No.	Details	Capital Cost (In Lacs)	Recurring Cost (Lacs/annum)	1.	During Construction phase	264	13	2.	During Operation phase	-	19	Description	Capital Rs. Lakhs	Recurring Cost Rs. Lakhs/annum	Waste Water Management (STP of 300 KLD, MBBR-UF)	50	3	Air & Noise Pollution Management: (Tarpaulin sheets, Acoustics enclosures for DG sets).	10	1	Landscaping	10	1	Rainwater Recharging (3 pits)	10	1	Environmental Monitoring	4	4	Solid Waste Management (including mechanical composter of size 500 kg)	30	2	Energy Conservation Measures (Solar lighting, CFL & solar panel system)	150	1	TOTAL	264 Lakhs	13 Lakhs
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		Description	Recurring Cost (Rs. In Lakhs/annum)
		Waste water Management (STP of 300 KLD, MBBR-UF)	5
		Air & Noise Pollution Management (Tarpaulin sheets, Acoustics enclosures for DG sets).	0.5
		Landscaping	3
		Rainwater Recharging (6 pits)	1.5
		Environmental Monitoring	4
		Solid Waste Management (including mechanical composter of size 500 kg)	3
		Miscellaneous	2
		TOTAL	Rs. 19 Lakhs

The Committee noted that the project was granted Environmental Clearance for the construction of a group housing project in a total land area of 3.27 ha. having a built-up area of 51383.45 sqm in the year 2011 and now, the Project Proponent has again come for obtaining Environmental Clearance in the year 2022 after a span of 11 years. The Committee asked the Project Proponent to explain the reasons for the non-completion of the project till date.

The Project Proponent apprised the Committee that due to financial constraints, the project could not be completed in time and at present only structural work pertaining to the project has been completed. The Committee noted the same.

Thereafter, the Committee perused the construction status report submitted by the Project Proponent wherein, it has been mentioned that 65 % of the construction activity has been completed at the site. The Committee asked the Project Proponent to submit the compliance pertaining to the development of green areas within the project and show the number of trees planted at the site so far. The Project Proponent apprised the Committee that he has not planted any of the tree. The Committee asked the Project Proponent to submit a concrete and definite plan for the development of the green area, installation of STP, and construction of rainwater harvesting pits. In this regard, the Project Proponent has submitted an undertaking vide letter dated 27.05.2022 to the effect that 50% of green cover shall be developed within the project premises by 30.09.2022 and the construction pertaining to STP shall be completed by 30.09.2023 and 3 number of rainwater harvesting pits shall be constructed by 30.09.2023. The SEAC took the undertaking submitted by the promoter company on record.

The Committee was satisfied with the presentation and reply given by the Project Proponent and after detailed deliberations, SEAC decided to award '**Silver Grading**' to the project proposal and to forward the application of the project proponent to SEIAA with the recommendation to grant Environmental Clearance for the establishment of group housing project namely "Amritsar One" located at Shubham Enclave besides NH-1, Amritsar Punjab by M/s ATM Estate Pvt. Ltd., subject to the following conditions.

I. Statutory compliances:

- i) The project proponent shall obtain all necessary clearances/ permissions from all relevant agencies including the town planning authority before commencement of work. All the construction shall be done in accordance with the local building bye laws.
- ii) The approval of the Competent Authority shall be obtained for the structural safety of buildings due to earthquakes, adequacy of firefighting equipment, etc. as per the National Building Code including protection measures from lightning, etc.
- iii) The project proponent shall obtain forest clearance under the provisions of the Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purposes is involved in the project.
- iv) The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
- v) The project proponent shall obtain Consent to Establish / Operate under the provisions of the Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the Punjab Pollution Control Board.
- vi) The project proponent shall obtain the necessary permission for the abstraction of groundwater/ surface water required for the project from the competent authority.
- vii) A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained.
- viii) All other statutory clearances such as the approvals for storage of diesel from the Chief Controller of Explosives, Fire Department, and Civil Aviation Department shall be obtained, as applicable, by project proponents from the respective competent authorities.
- ix) The provisions of the Solid Waste (Management) Rules, 2016, E-Waste (Management) Rules, 2016, Construction & Demolition Waste Rules, 2016, and the Plastics Waste (Management) Rules, 2016 shall be followed.
- x) The project proponent shall follow the ECBC/ECBC-R prescribed by Bureau of Energy Efficiency, Ministry of Power strictly.

- xi) The project site shall conform to the suitability as prescribed under the provisions laid down under the master plan of the respective city/ town. For that, the project proponent shall submit the NOC/ land use conformity certificate from Deptt. of Town and Country Planning or other concerned Authority under whose jurisdiction, the site falls.
- xii) Besides the above, the project proponent shall also comply with siting criteria/guidelines, standard operating practices, code of practice, and guidelines if any prescribed by the SPCB/CPCB/MoEF&CC for such types of projects.
- xiii) The project proponent shall construct the buildings as per the layout plan approved from the Competent Authority and in consonance of the project proposal for which this environment clearance is being granted.

II. Air quality monitoring and preservation

- i) Notification GSR 94(E) dated 25.01.2018 of MoEF&CC regarding Mandatory Implementation of Dust Mitigation Measures for Construction and Demolition Activities for projects requiring Environmental Clearance shall be complied with.
- ii) A management plan shall be drawn up and implemented to contain the current exceedance in the ambient air quality at the site.
- iii) The project proponent shall install a system to undertake Ambient Air Quality monitoring for common /criterion parameters relevant to the main pollutants released (e.g., PM10 and PM2.5) covering upwind and downwind directions during the construction period.
- iv) Diesel power generating sets proposed as a source of backup power should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use of low sulphur diesel would be the preferred option. The location of the DG sets may be decided in consultation with Punjab Pollution Control Board.
- v) Construction site shall be adequately barricaded before the construction begins. Dust, smoke and other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, and continuous dust/ wind-breaking walls all around the site (at least 3 m height or 1/3rd of the building height and maximum up to 10 m). Plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, 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 333 KLD, out of which 220 KLD shall be met through own tube well. Total freshwater use shall not exceed the proposed requirement as provided in the project details and other relevant details as under:

Sr. No.	Total water Requirement	Total wastewater generated	Treated wastewater	Flushing water requirement	Green area requirement	Into sewer
1.	333 KLD	266 KLD	261 KLD	113 KLD	Summer: 29 KLD Winter: 10 KLD Monsoon: 3 KLD	Summer: 119 KLD Winter: 138 KLD Monsoon: 145 KLD

- a) 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.
- b) 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 freshwater 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, 06 no. recharging pits will be provided for groundwater recharging as per the CGWB norms. The groundwater shall not be withdrawn without approval from the Competent Authority.
- xv) All recharge should be limited to shallow aquifers.
- xvi) No groundwater shall be used during the construction phase of the project. Only treated sewage/wastewater shall be used. A proper record in this regard should be maintained and should be available at the site.
- xvii) Any groundwater dewatering should be properly managed and shall conform to the approvals and the guidelines of the CGWA in the matter. Formal approval shall be taken from the CGWA for any groundwater abstraction or dewatering.
- xviii) The quantity of freshwater usage, water recycling, and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC, and SEIAA along with six-monthly Monitoring reports.
- xix) Sewage shall be treated in the STP with tertiary treatment by providing ultra-filtration Technology. STP shall be installed in a phased manner viz a viz in the module system designed in such a way so as to efficiently treat the wastewater with an increase in its quantity due to rise in occupancy. The treated effluent from STP shall be recycled/reused for flushing and gardening. No treated water shall be disposed of into the municipal stormwater drain.
- xx) No sewage or untreated effluent would be discharged through stormwater drains. Onsite sewage treatment with a capacity to treat 100% wastewater will be installed. The installation of the Sewage Treatment Plant (STP) shall be certified by an independent expert and a report in this regard shall be submitted to the Ministry / SEIAA before the project is commissioned for operation. Treated wastewater shall be reused on-site for landscape, flushing, and other end-uses. Excess treated water shall be discharged as per statutory norms notified by the Ministry of Environment, Forest, and Climate Change. Natural treatment systems shall be promoted.

- xxi) Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odour problem from STP.
- xxii) Sludge from the onsite sewage treatment, including septic tanks, shall be collected, conveyed and disposed of as per the Ministry of Urban Development, Central Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.

IV. Noise monitoring and prevention

- i) Ambient noise levels shall conform to the commercial area both during day and night as per Noise Pollution (Control and Regulation) Rules, 2000. Incremental pollution loads on the ambient air and noise quality shall be closely monitored during the construction phase. Adequate measures shall be made to reduce noise levels during the construction phase, so as to conform to the stipulated standards by CPCB/SPCB.
- ii) A noise level survey shall be carried out as per the prescribed guidelines and a report in this regard shall be submitted to the Regional Officer of the Ministry as a part of a six-monthly compliance report.
- iii) Acoustic enclosures for DG sets, noise barriers for ground-run bays, earplugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.

V. Energy Conservation measures

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

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

VI. Waste Management

- i) A certificate from the competent authority handling municipal solid waste, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from the project shall be obtained.
- ii) Disposal of muck during the construction phase should not create any adverse effect on the neighbouring communities and should be safely disposed of taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of the competent authority.
- iii) Separate wet and dry bins must be provided in each unit and at the ground level for facilitating the segregation of waste. Solid waste shall be segregated into wet garbage and inert materials.
- iv) Organic waste compost/ Vermiculture pit/ Organic Waste Converter/Mechanical Composter within the premises must be installed for treatment and disposal of the solid waste.
- v) All non-biodegradable waste shall be handed over to authorized recyclers for which a written tie-up must be done with the authorized recyclers.
- vi) Any hazardous waste generated during the construction phase, shall be disposed of as per applicable rules and norms with the necessary approvals of the State Pollution Control Board.
- vii) Use of environment-friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction material quantity. These include Fly Ash bricks, hollow bricks, AACs, Fly Ash Lime Gypsum blocks, Compressed earth blocks, and other environmentally friendly materials.
- viii) Fly ash should be used as a building material in the construction as per the provision of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003 and 25th January, 2016. Ready-mixed concrete must be used in building construction.
- ix) Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Rules, 2016.

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

VII. Green Cover

- i) No naturally growing tree should be felled/transplanted unless exigencies demand. Where absolutely necessary, tree felling shall be with prior permission from the concerned regulatory authority. Old trees should be retained based on girth and age regulations as may be prescribed by the Forest Department.
- ii) At least a single line plantation all around the boundary of the project as proposed shall be provided. The open spaces inside the plot should be suitably landscaped and covered with vegetation of indigenous species/variety. The project proponent shall ensure the planting of 425 trees in the project area at the identified location, as the per proposal submitted, with plants of native species preferably having broad leaves. The size of the plant thus planted should not be less than 6 ft and each plant shall be protected with a fence and properly maintained. The project proponent shall make adequate provisions of funds to ensure maintenance of the plants for a further period of three years and thereafter, protected throughout the entire lifetime of the Project. The species with heavy foliage, broad leaves, and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping. The plantation should be undertaken as per SEIAA guidelines.
- iii) The Project Proponent shall develop a green belt with native tree species (having canopy type structure and especially trees, and not grass) before the completion of the project. The greenbelt shall inter alia cover the entire periphery of the unit provided that the number of trees to be planted should not be less than one tree per 80 sqm of the total land area. The canopy trees shall also be planted around the parking area to provide shade to the parked vehicles.
- iv) Where the trees need to be cut with prior permission from the concerned local Authority, a compensatory plantation in the ratio of 1: 10 (i.e. planting of 10 saplings of the same species for every tree that is cut) shall be done and the newly planted saplings will be maintained for at least 5 years. Green belt development shall be undertaken as per the details provided in the project document.
- v) Topsoil should be stripped to a depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stockpiled appropriately in designated areas and reapplied during the plantation of the proposed vegetation on site.

- vi) The project proponent shall not use any chemical fertilizer /pesticides /insecticides and shall use only Herbal pesticides/insecticides and organic manure in the green area.
- vii) The green belt along the periphery of the plot shall achieve an attenuation factor conforming to the day and night noise standards prescribed for commercial land use.
- viii) The project proponent shall submit the progress of developing the green belt in the six-monthly compliance report.

VIII. Transport

- i) A comprehensive mobility plan, as per MoUD best practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public, and private networks. Road should be designed with due consideration for environment, and safety of users. The road system can be designed with these basic criteria.
 - a) Hierarchy of roads with proper segregation of vehicular and pedestrian traffic.
 - b) Traffic calming measures.
 - c) Proper design of entry and exit points.
 - d) Parking norms as per local regulations.
- ii) Vehicles hired for bringing construction material to the site should be in good condition and should have a valid pollution check certificate, conform to applicable air and noise emission standards, and should be operated only during non-peak hours.
- iii) A detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 05 km radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on the cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies within this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D./ competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.
- iv) Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Parking should be fully internalized and no public space should be utilized.

IX. Human health issues

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

X. Environment Management Plan

- i) The company shall have a well-laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violations of the environmental / forest/wildlife norms/conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stakeholders. A copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of the six-monthly report.
- ii) A separate Environmental Cell both at the project and company headquarters level, with qualified personnel shall be set up under the control of senior Executive, who will report directly to the head of the organization.
- iii) An action plan for implementing EMP and environmental conditions along with the responsibility matrix of the company shall be prepared and shall be duly approved by the competent authority. The Environmental Management Plan (EMP) of the proposed project as per the details given in Table below:

Construction Phase:

Sr. No.	Description	Capital Rs. Lakhs	Recurring Cost Rs. Lakhs/annum
1.	Waste Water Management (STP of 300 KLD, MBBR-UF)	50	3

2.	Air & Noise Pollution Management: (Tarpaulin sheets, Acoustics enclosures for DG sets).	10	1
3.	Landscaping	10	1
4.	Rainwater Recharging (3 pits)	10	1
5.	Environmental Monitoring	4	4
6.	Solid Waste Management (including mechanical composter of size 500 kg)	30	2
7.	Energy Conservation Measures (Solar lighting, CFL & solar panel system)	150	1
	TOTAL	264 Lakhs	13 Lakhs

Operation Phase

Sr. No.	Description	Recurring Cost (Rs. In Lakhs/annum)
1.	Waste water Management (STP of 300 KLD, MBBR-UF)	5
2.	Air & Noise Pollution Management (Tarpaulin sheets, Acoustics enclosures for DG sets).	0.5
3.	Landscaping	3
4.	Rainwater Recharging (6 pits)	1.5
5.	Environmental Monitoring	4
6.	Solid Waste Management (including mechanical composter of size 500 kg)	3
7.	Miscellaneous	2
	TOTAL	Rs. 19 Lakhs

XI. Validity

- i. This environmental clearance will be valid for a period of 10 (ten) years from the date of its issue as per MoEF & CC, GoI notification No. S.O. 1807 (E) dated 12.04.2022 or till the completion of the project, whichever is earlier.

XII. Miscellaneous

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

- ii) The project proponent shall comply with the conditions of CLU, if obtained.
- iii) The project proponent shall prominently advertise in at least two local newspapers of the District or State, of which one shall be in the vernacular language within seven days indicating that the project has been accorded environment clearance and the details of MoEF&CC/SEIAA website where it is displayed.
- iv) The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn have to publicly display the same for 30 days from the date of receipt.
- v) The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on a half-yearly basis.
- vi) The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the Ministry of Environment, Forest and Climate Change at the Environment Clearance portal and submit a copy of the same to SEIAA.
- vii) The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put the same on the website of the company.
- viii) The project proponent shall inform the Regional Office as well as SEIAA Punjab, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
- ix) The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
- x) The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitments made during public hearing and also those made to SEIAA / SEAC during their presentation.
- xi) No further expansion or modifications in the project shall be carried out other than those permitted in this EC without prior approval of SEIAA. In case of deviation or alterations in the project proposal from those submitted to the Ministry/SEIAA for clearance, a fresh reference shall be made to the Ministry/SEIAA, as applicable, to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.

- xii) The Regional Office, MoEF&CC, Chandigarh, Punjab Pollution Control Board and SEIAA/ SEAC members nominated for the purpose shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer(s) entrusted with this monitoring by furnishing the requisite data/ information/monitoring reports.
- xiii) This Environmental Clearance is granted subject to final outcome of pending related cases in the Hon'ble Supreme Court of India, Hon'ble High Courts, Hon'ble NGT and any other Court of Law as may be applicable to this project.

XIII. Additional Conditions

- i) The approval is based on the conceptual plan/drawings submitted with the application. In case, there is variation in built-up area/green area/ any other details in the drawings approved by the competent authority, the Project Proponent shall obtain the revised Environmental Clearance.
- ii) The Project Proponent shall ensure that the natural drainage channels in the project site including streams, drains, choes, creeks, rivulets, etc. are not disturbed so that the natural flow of rainwater, etc is not impeded or disrupted in any manner.
- iii) Authorization from Punjab Pollution Control Board shall be obtained as applicable under the Bio-Medical Waste Management Rules 2016 as amended from time to time.
- iv) The Bio-Medical wastes shall be managed in accordance with the Bio-Medical Waste Management Rules 2016 as amended from time to time.
- v) The solid waste other than Bio-Medical Waste & Hazardous Waste (dry as well as wet garbage) generated should be properly collected and segregated before disposal to Municipal Authorities in accordance with the Municipal Solid Waste (Management & Handling) Rules, 2000. No municipal waste should be disposed of outside the premises in contravention of relevant rules and by-laws. Adequate measures should be taken to prevent any malodour in and around the Project premises.
- vi) In the event that the project proponent decides to abandon/close the Project at any stage, he shall submit an application in the prescribed form along with requisite documents through Parivesh to SEIAA for surrendering the Environmental Clearance as per the procedure prescribed in OM dated 29.03.2022 issued by the MoEF&CC. The project proponent shall be accountable for adherence/compliance of the EC conditions till such time as the project is finally closed by SEIAA, based upon the certified closure report of Integrated Regional Offices (IROs) of MoEF&CC, Chandigarh/PPCB.
- vii) This Environmental Clearance is liable to be revoked without any further notice to the Project Proponent in case of failure to comply with condition (vi) above.

2.0 Deliberations during the 208th meeting of SEIAA held on 23.06.2022.

The case was considered by SEIAA in its 208th meeting held on 23.06.2022 which was attended by the following:

- i) Sh Kapil Sachdeva, Director of the promoter company.
- ii) Dr. Sandeep Garg, Ms. Jyoti Rani, and Ms Chetali Chauhan, Environmental Consultants from M/s Eco Laboratories Pvt Ltd.

Before allowing the presentation, to a query by SEIAA, Environmental Consultant informed that there is no change in the layout plan of the project for which EC was earlier granted by the MoEF&CC for the establishment of a group housing project having a land area of 3.27 hectares and built-up area of 51383.45 sqm. Earlier, the Non-FAR area was not considered in the built-up area. The application has now been submitted for obtaining Environmental Clearance with the same land area having a built-up area of 65,343.18 sqm including the Non-FAR area of the project.

SEIAA perused the layout plan submitted by the project proponent and observed that the Non-FAR area of the project is 13,978.4 sqm and the total built-up area of the project after considering the Non-FAR area is 65,343.18 sqm. Hence, the earlier built-up area after deducting the Non-FAR area from 65,343.18 sqm will match 51,364.78 sqm. However, a minor difference of 18.67 sqm exists in the built-up area. To this, the environment consultant replied that this minor change was on account of the unit conversion factor which may be ignored.

To a query by SEIAA as to why the Project could not be completed in 11 years and why a fresh EC was being applied for after such a long period, Project Proponent replied that after completion of about 65% of construction the project experienced partnership difficulties and had to be stopped for more than 4 years and could not be subsequently restarted due to Covid pandemic. He assured that all issues had now been sorted out and that the Project would be completed expeditiously upon grant of EC.

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

During discussions, the representative of the promoter company agreed to fully comply with all the conditions proposed by SEAC and also undertake additional CER activities of Rs 85 lakhs for which the detailed plan would be submitted within 02 months time. An undertaking submitted in this regard was taken on record by SEIAA.

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

After detailed deliberations, SEIAA decided to accept the recommendations of SEAC and grant Environmental Clearance for the establishment of a group housing project namely “Amritsar One” located at Shubham Enclave besides NH-1, Amritsar Punjab having a total land area of the project as 32,685.28 sqm with a built-up area of 65343.18 sqm by M/s ATM Estate Pvt. Ltd. as per the details mentioned in Form 1, 1A, EMP and subsequent presentation /clarifications made by the project proponent and his consultant with proposed measures and subject to conditions proposed by SEAC and additional conditions as under:

Amendment in Condition no. iii) of X. of Environment Management Plan

- iv) An action plan for implementing EMP and environmental conditions along with the responsibility matrix of the company shall be prepared and shall be duly approved by the Competent Authority. The year-wise funds earmarked for environmental protection measures shall be kept in separate accounts and will not be diverted for any other purpose. The project proponent shall spend the minimum amount of Rs. 349 Lacs towards the capital cost and Rs. 13 Lacs/annum towards recurring cost in the construction and operation phase of the project including the environmental monitoring cost as per the details given as under

Sr. No.	Description	Capital Rs. Lakhs	Recurring Cost Rs. Lakhs/annum
1.	Waste Water Management (STP of 300 KLD, MBBR-UF)	50	3
2.	Air & Noise Pollution Management: (Tarpaulin sheets, Acoustics enclosures for DG sets).	10	1
3.	Landscaping including plantation of 300 tall plants of indigenous species	10	1
4.	Rainwater Recharging (3 pits)	10	1
5.	Environmental Monitoring	4	4
6.	Solid Waste Management (including mechanical composter of size 500 kg)	30	2
7.	Energy Conservation Measures (Solar lighting, CFL & solar panel system)	150	1
8.	CER activities	85	
	TOTAL	349 Lakhs	13 Lakhs

The detailed plan for implementation of CER activities of Rs 85 lacs will be prepared and submitted for approval to SEIAA within 2 months' time failing which the EC is liable to be revoked without any notice to the Project Proponent. The entire cost of the environmental

management plan will continue to be borne by the project proponent until the responsibility for implementation of the environmental management plan is legally transferred to the Resident Welfare Association (RWA) under intimation to SEIAA, Punjab. Year-wise progress of implementation of the action plan shall be reported to the Ministry/Regional Office along with the Six-monthly Compliance Report.

Additional Conditions:

- (i) A detailed CER Plan of 85 lacs will be prepared and submitted for approval to SEIAA, within 02 months.
- (ii) This Environmental Clearance is liable to be revoked without any further notice to the Project Proponent in case of failure to comply with condition (ii) above.

Item No.208.08: Application for TOR for Expansion of existing Steel Manufacturing Unit Namely M/s P.P Castings located at Village Kumbh, Amloh Road, Mandi Gobindgarh, District Fatehgarh Sahib, Punjab (Proposal No. SIA/PB/IND/76783/2022).

Background and salient features of the case

The industry has applied for issuance of TOR for expansion of the existing Steel Manufacturing Unit Namely M/s P.P Castings for increasing the production capacity to 300 TPD of Billets/ Ingots or Strips/ Patra with 2 IF's of capacity 10 TPH each & rolling mill located at Village Kumbh, Amloh Road, Mandi Gobindgarh, District Fatehgarh Sahib, Punjab.

The industry was granted Consent to Operate under the provisions of the Water Act 1974 & Air Act 1981 for the manufacturing of 84 MTD of steel ingots which is valid up to 30.09.2023. The Project is covered under Schedule 3(a) & Category 'B1' as per EIA Notification, 2006.

The industry has submitted Form I, the Pre-feasibility report, and other additional documents on online portal. The cost of the project is Rs. 19.8713 Crore. The industry has deposited fees Rs. 49,545/- (25%) vide NEFT No. PUNBH2126606278 dated 06.05.2022 as verified by the supporting staff of SEIAA.

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

1.0 Deliberations during the 221st meeting of SEAC held on 27.05.2022.

The meeting was attended by the following:

- (i) Sh. Vijay Data, Partner, M/s P.P Casting.
- (ii) Mr. Sandeep Garg, EIA Coordinator, M/s Eco Laboratories Pvt Ltd.
- (iii) Mrs. Simranjit Kaur, EIA Coordinator, M/s Eco Laboratories Pvt. Ltd.

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

S. No.	Description	Details
1	Basic Details	
1.1	Name of Industry & Project Proponent:	M/s P.P Castings Project Proponent: Mr. Vijay Data S/o Sh. Shiv Charan Data

		(Partner)																																				
1.2	Proposal:	SIA/PB/IND/76783/2022																																				
1.3	Location of Industry:	Village Kumbh, Amloh Road, Mandi Gobindgarh, District Fatehgarh Sahib, Punjab																																				
1.4	Details of Land area & Built-up area:	<p>The breakup of the project area is given below:</p> <table border="1"> <thead> <tr> <th>Sr. No.</th> <th>Description</th> <th>Area (in sq.m.)</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Total area of the plot</td> <td>18,736.78</td> </tr> <tr> <td>2.</td> <td>Area left for road widening</td> <td>961.53</td> </tr> <tr> <td>3.</td> <td>Net area of the project</td> <td>17,775.25</td> </tr> <tr> <td>(a)</td> <td>Shed covered area</td> <td>5,035.31</td> </tr> <tr> <td>(b)</td> <td>Office Block covered area</td> <td>228.53</td> </tr> <tr> <td>(c)</td> <td>Stores, Canteen, Toilet block & Security room, etc covered area</td> <td>250.37</td> </tr> <tr> <td>(d)</td> <td>Plantation area</td> <td>5,871.43</td> </tr> <tr> <td>(e)</td> <td>Road area</td> <td>3,298.04</td> </tr> <tr> <td>(f)</td> <td>Parking area</td> <td>1,092.62</td> </tr> <tr> <td>(g)</td> <td>Other Utility area</td> <td>1,998.95</td> </tr> <tr> <td colspan="2" style="text-align: center;">Total area</td> <td>18,736.78 sq.m. (4.63 acres)</td> </tr> </tbody> </table>	Sr. No.	Description	Area (in sq.m.)	1.	Total area of the plot	18,736.78	2.	Area left for road widening	961.53	3.	Net area of the project	17,775.25	(a)	Shed covered area	5,035.31	(b)	Office Block covered area	228.53	(c)	Stores, Canteen, Toilet block & Security room, etc covered area	250.37	(d)	Plantation area	5,871.43	(e)	Road area	3,298.04	(f)	Parking area	1,092.62	(g)	Other Utility area	1,998.95	Total area		18,736.78 sq.m. (4.63 acres)
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1.5	Category under EIA notification dated 14.09.2006	3(a): Metallurgical Industries (ferrous & non ferrous).																																				
1.6	Cost of the project	Existing project cost: Rs. 15.50 Crores Proposed Cost: Rs. 4.31 Crores Total Cost after expansion: Rs. 19.81 Crores.																																				
1.7	Compliance of Public Hearing Proceedings	To be submitted with the final EIA report.																																				
2.	Site Suitability Characteristics																																					
2.1	Whether site of the industry is suitable as per the provisions of Master Plan:	Yes, the site of the industry falls within the Industrial Zone as per the Master Plan of Mandi Gobindgarh.																																				
2.2	Whether supporting document submitted in favour of statement at 2.1, details thereof:	The master Plan showing the project location has been submitted with the report. Further, a copy of the letter issued by DTP vide no. 127 dated 31.01.2022 regarding land use classification, wherein it has been mentioned that the																																				

	(CLU/building plan approval status)	site of the industry falls in the industrial zone as per the notified Master Plan of Mandi Gobindgarh submitted.
3	Forest, Wildlife and Green Area	
3.1	Whether the industry required clearance under the provisions of the Forest Conservation Act 1980 or not:	No clearance is required under the provisions of the Forest (Conservation) Act 1980. A self-declaration in this regard submitted.
3.2	Whether the industry required clearance under the provisions of the Punjab Land Preservation Act (PLPA) 1900:	No PLPA land is involved.
3.3	Whether the industry required clearance under the provisions of the Wildlife Protection Act 1972 or not:	No wildlife sanctuary falls within the 10 km radius of the project. Bir Bhadson Wildlife Sanctuary is located at a distance of 12.5 km from the project site. Therefore, no clearance is required under the provisions of the Wildlife Protection Act 1972. A self-declaration in this regard was submitted.
3.4	Distance of the industry from the Critically Polluted Area.	Nearest Critically Polluted area is Ludhiana located at a distance of approx. 46 km from the project.
3.5	Whether the industry falls within the influence of Eco-Sensitive Zone or not. <i>(Specify the distance from the nearest Eco sensitive zone)</i>	No; as no Eco-sensitive zone falls within 10 km of the project location.
3.6	Green area requirement and proposed No. of trees:	Green area of 5,871.43 sqm (@ 31.3%) has been proposed within the project premises. Approx. 881 no. of trees shall be planted.
4.	Raw Material & Products:	

4.1	Raw material details:				
	Sr. No.	Raw Material	Existing	Proposed	Total after expansion
	1	Scrap & Ferro Alloys	89 TPD	231 TPD	320 TPD
	Products Details:				
	Sr. No.	Product Name	Existing	Proposed	Total after expansion
	1	Billets/Ingots or Strips/Patra	84 TPD	216 TPD	300 TPD
	Machinery Details:				
	Sr. No.	Equipment's/Machinery	Existing	Proposed	Total
	1.	Induction Furnace	1 (7 TPH capacity)	1 (10 TPH)	2 (7 TPH to be replaced with 10 TPH and one new 10 TPH shall be installed after expansion)
	2.	Rolling Mill	1	--	1
4.2	Population details		No. of existing workers = 30 workers No. of additional workers to be hired = 50 workers Total No. of workers after expansion = 80 workers No workers residing within the project premises.		
5	Water				
5.1	Total freshwater requirement:	Existing scheme: Total water requirement for the existing project is 12 KLD. Out of this, 10 KLD is the make-up water demand for cooling purpose & 2 KLD is domestic water demand. Proposed scheme: After expansion, the total water requirement of the project will be 72 KLD which will be met through existing borewells. Out of this, 36 KLD will be make-up water demand for cooling purpose, 4 KLD will be the domestic water demand & 32 KLD will be green area water demand for green area of 5,871.43 sq.m.			
5.2	Source:	Ground water (2 No. borewells)			

5.3	Whether Permission obtained for abstraction/supply of the freshwater from the Competent Authority (Y/N) <i>Details thereof</i>	No, permission will be obtained from PWRDA for abstraction of ground water and copy of the same will be submitted with EIA report.																								
5.4	Total water requirement for domestic purposes:	The domestic water requirement for the existing unit is 2 KLD and after expansion, the requirement will be 4 KLD.																								
5.4.1	<i>Total wastewater generation:</i>	Approx. 1.6 KLD of domestic wastewater is generated from the unit. After expansion, 3.2 KLD of domestic wastewater will be generated.																								
5.4.2	<i>Treatment methodology for domestic wastewater: (STP capacity, technology & components)</i>	Approx. 1.6 KLD of domestic effluent is being generated from the existing project which is being treated in a septic tank provided within the project premises. After expansion, the quantity of domestic effluent is estimated to be 3.2 KLD which will be treated in the proposed STP of capacity of 5 KLD to be installed within the project premises. Treated water will be reused for horticulture purposes.																								
5.5	Total water requirement for industrial purposes:	Make-up water demand for the cooling purpose for the existing unit is 10 KLD. After expansion, 36 KLD will be make-up water demand for cooling purposes.																								
5.5.1	<i>Total effluent generation:</i>	No industrial effluent is being generated and even after expansion, no industrial effluent will be generated.																								
5.5.2	<i>Treatment methodology for industrial wastewater: (ETP capacity, technology & components)</i>	Not applicable, as no industrial effluent will be generated.																								
5.6	Details of the utilization of treated wastewater in green areas in summer, winter, and rainy seasons:	The treated wastewater will be reused for horticulture purposes. <table border="1"> <thead> <tr> <th>Sr. No.</th> <th>Season</th> <th>Flushing purposes (KLD)</th> <th>Green area sq.m (KLD)</th> <th>Cooling purpose (KLD)</th> <th>MC Sewer (KLD)</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Summer</td> <td>-</td> <td>3</td> <td>-</td> <td>-</td> </tr> <tr> <td>2.</td> <td>Winter</td> <td>-</td> <td>3</td> <td>-</td> <td>-</td> </tr> <tr> <td>3.</td> <td>Monsoon</td> <td>-</td> <td>3</td> <td>-</td> <td>-</td> </tr> </tbody> </table>	Sr. No.	Season	Flushing purposes (KLD)	Green area sq.m (KLD)	Cooling purpose (KLD)	MC Sewer (KLD)	1.	Summer	-	3	-	-	2.	Winter	-	3	-	-	3.	Monsoon	-	3	-	-
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2.	Winter	-	3	-	-																					
3.	Monsoon	-	3	-	-																					

5.7	Utilization/Disposal of excess treated wastewater.	Not applicable, as treated water will be reused for horticulture purposes within project premises.													
5.8	Cumulative Details:														
Total water Requirement		Total wastewater generated	Treated wastewater	Treated wastewater reuse	Green area requirement	Into sewer									
72 KLD <ul style="list-style-type: none"> • Domestic water demand 4 KLD • Make-up water demand for cooling purposes 36 KLD • Green area water demand 32 KLD 		3.2 KLD	3 KLD	3 KLD (Reused for horticulture purpose)	32 KLD (for Summer season @ 5.5 lt/sq.m./day)	0									
5.9	Rainwater harvesting proposal:	No rainwater recharging pits have been proposed within the project premises. Thus, rainwater recharging will be done outside of the project premises by adopting a pond. NOC will be obtained from the Sarpanch of the Village regarding pond adoption and a copy of the same along with a detailed rainwater recharging proposal will be submitted with the EIA report.													
6. Air															
6.1	Details of Air Polluting machinery:	The Source of air pollution are given below:													
		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>S. No.</th> <th>Machinery</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Induction Furnaces</td> <td>2 × 10 TPH</td> </tr> <tr> <td>2.</td> <td>DG sets</td> <td>125 KVA & 350 KVA</td> </tr> </tbody> </table>					S. No.	Machinery	Description	1.	Induction Furnaces	2 × 10 TPH	2.	DG sets	125 KVA & 350 KVA
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6.2	Measures to be adopted to contain particulate emission/Air Pollution	The details of the sources of pollution and its mitigation measures are given below:		
S. No.	Source	Capacity	Chimney Height	APCD
1.	Induction Furnaces	2 × 10 TPH	30 m each	Side Suction Hood followed by Pulse Jet Bag Filter of capacity 50,000 CMH on each IF
2.	DG Sets	125 KVA & 350 KVA	3 m & 5 m	Canopy shall be provided

The Committee observed that the industry falls in the industrial zone as per the Master Plan of Mandi Gobindgarh. After detailed deliberations, SEAC decided to categorize the project under Activity 3(a); B-1 with public consultation as required for the project. The Committee recommended the case to SEIAA to approve the Terms of Reference for Expansion of existing Steel Manufacturing Unit Namely M/s P.P Castings located at Village Kumbh, Amloh Road, Mandi Gobindgarh, District Fatehgarh Sahib, Punjab for preparing Environmental Impact Assessment (EIA) report for the proposed project and recommended to SEIAA to issue the following TORs:

STANDARD TERMS OF REFERENCE

I) Executive Summary

Report in about 8-10 pages incorporating the following:

- i) Introduction of the Project and Promoter Company.
- ii) Products and capacities. If expansion proposal, then existing products with capacities and reference to earlier EC.
- iii) Requirement of land, raw material, water, power, fuel, with source of supply (Quantitative)
- iv) Process description in brief, specifically indicating the gaseous emission, liquid effluent and solid and hazardous wastes.
- v) Measures for mitigating the impact on the environment and mode of discharge or disposal.
- vi) Capital cost of the project, estimated time of completion
- vii) Site selected for the project - Nature of land - Agricultural (single/double crop), barren, Govt./private land, status of its acquisition, nearby (in 2-3 km.) water body,

population, within 10 km other industries, forest, eco-sensitive zones, accessibility, (note - in case of industrial estate this information may not be necessary)

- viii) Baseline environmental data - air quality, surface and groundwater quality, soil characteristic, flora and fauna, socio-economic condition of the nearby population
Identification of hazards in handling, processing and storage of hazardous material and safety system provided to mitigate the risk.
- ix) Identification of hazards in handling, processing and storage of hazardous material and safety system provided to mitigate the risk
- x) Likely impact of the project on air, water, land, flora-fauna and nearby population
- xi) Emergency preparedness plan in case of natural or in plant emergencies
- xii) Issues raised during public hearing (if applicable) and response given
- xiii) CSR/CER plan with proposed expenditure.
- xiv) Occupational Health Measures
- xv) Post Project monitoring plan
- xvi) Synopsis of the project (Available on <https://decc.punjab.gov.in/>)

II) Introduction

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

III) Project Description

- i) Cost of project and time of completion.
- ii) Products with capacities for the proposed project.
- iii) If expansion project, details of existing products with capacities and whether adequate land is available for expansion, reference of earlier EC if any.
- iv) List of raw materials required and their source along with mode of transportation.
- v) Other chemicals and materials required with quantities and storage capacities.
- vi) Details of Emission, effluents, hazardous waste generation and their management.

- vii) Requirement of water (breakup for induction and rolling mill), power, with source of supply, status of approval, water balance diagram, man-power requirement (regular and contract).
- viii) Process description along with major equipment and machineries, process flow sheet (quantitative) from raw material to products to be provided
- ix) Hazard identification and details of proposed safety systems.
- x) In case of Expansion/modernization proposals:
 - a) Status of compliance of Consent to Operate for the ongoing /existing operation of the project from SPCB shall be attached with the EIA-EMP report.
 - b) In case the existing project has not obtained environmental clearance, reasons for not taking EC under the provisions of the EIA Notification 1994 and/or EIA Notification 2006 shall be provided. Copies of Consent to Establish/No Objection Certificate and Consent to Operate (in case of units operating prior to EIA Notification 2006, CTE and CTO of FY 2005-2006) obtained from the SPCB shall be submitted. Further, compliance report to the conditions of consents from the SPCB shall be submitted.

IV) Site Details

- i) Location of the project site covering village, Taluka / Tehsil, District and State, Justification for selecting the site, whether other sites were considered. Copy of Master Plan indicating a land use pattern of the site is in conformity of proposals of Master Plan shall be attached with EIA report.
- ii) A top sheet of the study area of radius of 10 km and site location on 1:50,000/1:25,000 scale on an A3/A2 sheet. (Including all eco-sensitive areas and environmentally sensitive places)
- iii) Details w.r.t. option analysis for selection of site.
- iv) Co-ordinates (lat-long) of all four corners of the site.
- v) Google map-Earth downloaded of the project site
- vi) Layout maps indicating existing unit as well as proposed unit indicating storage area of raw material, finished products, greenbelt area with marking of tree, Location of STP/ETP, Solid waste storage area, Parking space, Firefighting equipment layout, First aid room, Location of Tube wells, DG Sets & Transformers and any other utilities
- vii) If located within an Industrial area/Estate/Complex, layout of Industrial Area indicating location of unit within the Industrial area/Estate.

- viii) Photographs of the proposed and existing (if applicable) plant site. If existing, show photographs of plantation/greenbelt, in particular.
- ix) Land use break-up of total land of the project site (identified and acquired), government/private - agricultural, forest, wasteland, water bodies, settlements, etc. shall be included. (not required for industrial area)
- x) A list of major industries with name and type within study area (10 km radius) shall be incorporated. Land use details of the study area.
- xi) Geological features and Geo-hydrological status of the study area shall be included.
- xii) Details of Drainage of the project up to 5km radius of study area. If the site is within 1 km radius of any major river, peak and lean season river discharge as well as flood occurrence frequency based on peak rainfall data of the past 30 years. Details of Flood Level of the project site and maximum Flood Level of the river shall also be provided. (mega green field projects)
- xiii) Status of acquisition of land. If acquisition is not complete, stage of the acquisition process and expected time of complete possession of the land.
- xiv) R&R details in respect of land in line with state Government policy

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

- i) Permission and approval for the use of forest land (forestry clearance), if any, and recommendations of the State Forest Department. (If applicable).
- ii) Land use map based on High resolution satellite imagery (OPS) of the proposed site delineating the forestland (in case of projects involving forest land more than 40 ha).
- iii) Status of Application submitted for obtaining the stage I forestry clearance along with latest status shall be submitted.
- iv) The projects to be located within 10 km of the National Parks, Sanctuaries, Biosphere Reserves, Migratory Corridors of Wild Animals, the project proponent shall submit the map duly authenticated by Chief Wildlife Warden showing these features vis-a-vis the project location and the recommendations or comments of the Chief Wildlife Warden-thereon.
- v) Wildlife Conservation Plan duly authenticated by the Chief Wildlife Warden of the State Government for conservation of Schedule I fauna, if any exists in the study area.
- vi) Copy of application submitted for clearance under the Wildlife (Protection) Act, 1972, to the Standing Committee of the National Board for Wildlife.

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

VI) Environmental Status

- i) Determination of atmospheric inversion level at the project site and site specific micro-meteorological data using temperature, relative humidity, hourly wind speed and direction and rainfall.
- ii) AAQ data (except monsoon) at 8 locations for PM 10, PM2.5, SO₂, NO_x, CO and other parameters relevant to the project shall be collected. The monitoring stations shall be based CPCB guidelines and take into account the pre dominant wind direction, population zone and sensitive receptors including reserved forests.
- iii) Raw data of all AAQ measurement for 12 weeks of all stations as per frequency given in the NAQQM Notification of Nov. 2009 along with - min., max., average and 98% values for each of the AAQ parameters from data of all AAQ stations should be provided as an annexure to the EIA Report.
- iv) Surface water quality of nearby River (100m upstream and downstream) and other surface drains at eight locations as per CPCB/MoEF& CC guidelines.
- v) Whether the site falls near to polluted stretch of river identified by the CPCB/MoEF& CC.
- vi) Groundwater monitoring at minimum at 8 locations shall be included.
- vii) Noise levels monitoring at 8 locations within the study area.
- viii) Soil Characteristic as per CPCB guidelines.
- ix) Traffic feasibility / serviceability study for at least 5 days based on Indian Standard Codes. Further it shall also include the details of cross section of the road on which industry is located, vehicles movement w.r.t. the industry, traffic load of other vehicles on the road incorporating the haulage time for the vehicles for loading/unloading within the premises and parking requirement to avoid the traffic congestions on the link and adjoining roads. Traffic study shall be conducted considering the traffic of the industries located in the vicinity.
- x) Detailed description of flora and fauna (terrestrial and aquatic) existing in the study area shall be given with special reference to rare, endemic and endangered species. If Schedule-I fauna are found within the study area, a Wildlife Conservation Plan shall be prepared and furnished.

- xi) Socio-economic status of the study area.
- xii) Baseline data should not be older than 3 years.

VII) Impact Assessment and Environment Management Plan

- i) Assessment of ground level concentration of pollutants from the stack emission based on site-specific meteorological features. In case the project is located on a hilly terrain, the AQIP Modeling shall be done using inputs of the specific terrain characteristics for determining the potential impacts of the project on the AAQ. Cumulative impact of all sources of emissions (including transportation) on the AAQ of the area shall be well assessed. Details of the model used and the input data used for modeling shall also be provided. The air quality contours shall be plotted on a location map showing the location of project site, habitation nearby, sensitive receptors, if any.
- ii) Water Quality modelling.
- iii) Impact of the transport of the raw materials and end products on the surrounding environment shall be assessed and provided. In this regard, options for transport of raw materials and finished products and wastes (large quantities) by rail or rail-cum road transport or conveyor-cum-rail transport shall be examined.
- iv) A note on treatment, recycling and reuse of wastewater from different plant operations, extent for different purposes shall be included. Complete scheme of effluent treatment. Characteristics of untreated and treated effluent to meet the prescribed standards of discharge under EPA Rules.
- v) Details of stack emission and action plan for control of emissions to meet standards.
- vi) Measures for fugitive emission control
- vii) Details of hazardous waste generation and their storage, utilization and disposal. Copies of MOU regarding utilization of solid and hazardous waste shall also be included. EMP shall include the concept of waste-minimization, recycle/reuse/recover techniques, Energy conservation, and natural resource conservation.
- viii) Proper utilization of fly ash shall be ensured as per Fly Ash Notification, 2009. A detailed plan of action shall be provided.
- ix) Action plan for the green belt development in 33 % area with not less than 1,500 trees per hectares giving details of species, width of plantation, planting schedule, post plantation maintenance plan for 3 years shall be included. The green belt shall be around the boundary and a scheme for greening of the roads used for the project shall also be incorporated.

- x) Action plan for rainwater harvesting measures at alternative sites shall be submitted to harvest rainwater from the roof tops and storm water drains to recharge the groundwater and also to use for the various activities to conserve freshwater and reduce the water requirement from other sources.
- xi) Total capital cost and recurring cost/annum for environmental pollution control measures shall be included.
- xii) Action plan for post-project environmental monitoring shall be submitted.
- xiii) Onsite and Offsite Disaster (natural and Man-made) Preparedness and Emergency Management Plan including Risk Assessment and damage control. Disaster management plan should be linked with the District Disaster Management Plan.

VIII) Occupational health

- i) Details of existing Occupational & Safety Hazards. What are the exposure levels of above-mentioned hazards and whether they are within the Permissible Exposure Level (PEL)? If these are not within PEL, what measures the company has adopted to keep them within PEL so that the health of the workers can be preserved.
- ii) Details of exposure specific health status evaluation of worker. If the workers' health is being evaluated by pre-designed format, chest x rays, Audiometry, Spirometry, Vision testing (Far & Near vision, colour vision and any other ocular defect) ECG, during pre-placement and periodical examinations give the details of the same. Details regarding last month analysed data of above-mentioned parameters as per age, sex, duration of exposure and department wise.
- iii) Annual report of the health status of workers with special reference to Occupational Health and Safety.
- iv) Plan and fund allocation to ensure the occupational health & safety of all contract and casual workers.

IX) Corporate Environment Policy

- i) Does the company have a well laid down Environment Policy approved by its Board of Directors? If so, it may be detailed in the EIA report.
- ii) Does the Environment Policy prescribe for standard operating processes/procedures to bring into focus any infringement/deviation/violation of the environmental or forest norms/conditions? If so, it may be detailed in the EIA.
- iii) What is the hierarchical system or Administrative order of the company to deal with the environmental issues and for ensuring compliance with the environmental clearance conditions? Details of this system may be given.

- iv) Does the company have a system of reporting of non-compliances / violations of environmental norms to the Board of Directors of the company and / or shareholders or stakeholders at large? This reporting mechanism shall be detailed in the EIA report
- v) Details regarding infrastructure facilities such as sanitation, fuel, restroom, etc. to be provided to the labour force during construction as well as to the casual workers including truck drivers during the operation phase.

X) Enterprise Social Commitment (ESC)

- i) The project proponent shall propose activities in lieu of Corporate Environmental Responsibility (CER) in the Environmental Management Plan as per the provisions of OM dated 25.02.2021 issued by the MoEF&CC.
- ii) Any litigation pending against the project and/or any direction/order passed by any Court of Law against the project, if so, details thereof shall also be included. Has the unit received any notice under the Section 5 of Environment (Protection) Act, 1986 or relevant Sections of Air and Water Acts? If so, details thereof and compliance/ATR to the notice(s) and present status of the case.
- iii) A tabular chart with index for points wise compliance of above TORs.

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

- i) Details of proposed layout clearly demarcating existing & proposed features of the project within the plant.
- ii) Total no. of furnaces & details including capacity of each furnace.
- iii) Detail of the mechanical shredder to reduce the size of the raw material.
- iv) Complete process flow diagram describing each unit, its processes, and operations, along with material and energy inputs and outputs (material and energy balance).
- v) Details on the design and manufacturing process for all the units.
- vi) Details on environmentally sound technologies for recycling of hazardous materials, as per CPCB Guidelines, may be mentioned in case of handling scrap and other recycled materials.
- vii) Details on the requirement of raw materials, its source, and storage at the plant.
- viii) Details on the requirement of energy and water along with its source and authorization from the concerned department. Location of water intake and outfall points (with coordinates).

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

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

- i) Public consultation is required for the project as it is not located in a notified industrial park/estate.
- ii) The project proponent shall submit complete proposal for the management of ash at the time of submission of EIA report for obtaining environmental clearance
- iii) Submit proof of ownership of land (existing owner) such as copy of latest Jamabandi (not more than one month old) and credible document showing status of land acquisition w.r.t. project site (as prescribed in OM dated 07.10.2014 issued by MoEF)
- iv) Submit dully filled prescribed field data sheets and analysis reports along with exact location of sampling / monitoring point marked on the layout map. Also submit the status of approvals of Laboratories.
- v) Submit cost of the project duly certified by Chartered Engineer/ Approved valuer / Chartered Accountant. In the absence of above, the project proponent may submit self-certified detail of cost of the project mentioning the cost of Land, building, infrastructure and plant and machinery.
- vi) Certificate from the concerned authority w.r.t the location of protected areas as notified under the Wildlife Protection Act, 1972 within 5 km radius from the boundary of the project site.
- vii) Certificate from the Department of Town & Country Planning or concerned authorities to support the claim made by project proponent that the project site is located in the industrial zone as per the provisions of Master Plan of Town/City in the jurisdiction of which the project site is located or the project proponent shall submit the Change of land use of the project site for total land area.
- viii) Compliance of the siting criteria, standard operating practices, code of practice, and guidelines if any prescribed by the SPCB/CPCB/MoEF&CC for such type of units.
- ix) Necessary permissions from the Central Groundwater Authority (CGWA)/ State Groundwater Authority (SGWA)/concerned authority for the abstraction of groundwater for the existing requirements as well as for the expanded unit. In case of not allowing such permission by the concerned authority for the abstraction of additional

groundwater for the expanded project, the project proponent shall propose alternative arrangements to meet out the additional water requirements. It shall be ensured that: -

- a) In the projects where groundwater is proposed as a water source, the project proponent shall apply to the Central Groundwater Authority (CGWA)/ State Groundwater Authority (SGWA), as the case may be, for obtaining No Objection Certificate (NOC) if applicable.
 - b) Approval /permission of the CGWA/SGWA shall be obtained before drawing groundwater for the project activities.
 - c) In the absence of approval, submit a copy of acknowledgment along with a set of application filed to CGWA /Competent Authority for obtaining permission for the abstraction of groundwater
- x) Minimize the water consumption in the steel plant complex by segregation of used water, practicing cascade use and by recycling treated water.
 - xi) STP for treatment of wastewater & re-utilization of the treated water for core/non-core activities so as to achieve the Zero Liquid Discharge Condition as per the III (iv) of OM dated 09/08/2018 issued by the MoEF&CC for such units.
 - xii) Reuse of cooling tower blow down, simultaneously ensuring the standards prescribed for such purge waters. If required, necessary arrangements shall be made to keep this waste stream within the parameters required for reuse.
 - xiii) In case of any acid pickling activity, the spent acid/effluents generated from such activities shall be utilized through authorized re-processors for converting the same into useful by-products like FeSO_4 etc. An agreement to this effect shall be made with the authorized agencies.
 - xiv) Adequate area to be reserved and marked on the layout plan for the green belt as per the conditions laid down by the MoEF&CC as per the Standard EC Conditions prescribed for Induction/ Electric Arc Furnace & Rolling Mills circulated vide OM dated 09/08/2018.
 - xv) Detailed study report along with calculation for reserving land for loading or unloading of raw material, products, slag, hazardous waste as well as for storage of these materials and the area to be reserved for parking incorporating the time required for loading and unloading of vehicles for respective activities and minimum/maximum period for which storage of the above material is required in the premises. The areas for the respective activities to be marked on the layout plan.

- xvi) Action plan for the compliance of standard operating procedures and up-gradation of suction and treatment arrangement for the secondary emissions as prescribed by the State Pollution Control Board or by CPCB/MoEF&CC.
- xvii) Compliance of standard operating procedures and up-gradation of suction/treatment systems for the control of secondary emissions within the time frame prescribed by the State Pollution Control Board. Similar action is to be implemented in the proposed expansion project.
- xviii) Whole of the vehicle movement area as well as the approach road to the gate /weighing bridge shall be paved with pucca/metalled / cement concrete road to control the dust emissions expected from the vehicle movement.
- xix) The vehicles to be used for loading/unloading purposes shall not be parked along the roadside so as to avoid the traffic congestion and dedicated parking place to be provided for the same.
- xx) Adopt green technologies to conserve the water and energy including shearing/cutting / bundling machines. Also, to provide abrasive resistant fire bricks in the crucibles to reduce the periodic maintenance & disposal of discarded fire bricks.
- xxi) Use of natural gas (if available) as substitute fuel wherever possible in the existing industry/ for the expansion project.
- xxii) Submit compliance w.r.t. condition no.II [(i) & (iii)] subtitled as "Air Quality Monitoring & Preservation" regarding continuous emission monitoring system and continuous ambient air quality monitoring as prescribed in the Standard EC Conditions for Induction/ Electric Arc Furnace & Rolling Mills issued by the MoEF&CC, New Delhi vide OM dated 09/08/2018.
- xxiii) Examine and submit the proposal for: -
 - a) Recovery of iron from slag before disposing of it.
 - b) Identify the areas for utilization of slag in a scientific manner and explore its usage in cement/construction industry/manufacturing of pavers & tiles/road laying etc.
 - c) Recovery of precious metals like Zinc, lead and iron etc. from the APCD dust (Hazardous waste) through authorized re-processor.
- xxiv) Air Pollution Control Arrangement details shall be provided as below:

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

- xxv) Submit compliance regarding the installation of Pulse jet bag filter with offline cleaning technology as APCD with the proposed induction furnace.
- xxvi) List the species with heavy foliage, broad leaves and wide canopy cover. The landscape planning should include plantation of native species. Water intensive and/or invasive species should not be used for landscaping.
- xxvii) The project proponent shall collect the baseline data for three months (except monsoon season) as per MOEF&CC office memorandum dated 29.08.2017. For this, monitoring data of M/s Devbhoomi Casting Pvt. Ltd. falls within the buffer zone of the project collected during the period from 1st October 2021 to 31st December, 2021 may be utilized. Besides this, one-month additional study shall be undertaken at the project site from 15th January 2022 to 15th February, 2022.

XIII) General Guidelines:

- (i) The EIA document shall be printed on both sides.
- (ii) All documents shall be properly indexed, page numbered.
- (iii) Period/date of data collection shall be clearly indicated.
- (iv) The letter/application for environmental clearance shall quote the SEIAA file No. and also attach a copy of the letter.
- (v) The copy of the letter received from SEIAA shall be also attached as an annexure to the final EIA-EMP Report.
- (vi) The index of the final EIA-EMP report must indicate the specific chapter and page no. of the EIA-EMP Report.

2.0 Deliberations during the 208th meeting of SEIAA held on 23.06.2022.

The case was considered by SEIAA in its 208th meeting held on 23.06.2022 which was attended by the following:

- (i) Sh. Vijay Data, Partner, M/s P.P Casting on behalf of the Project Proponent
- (ii) Dr. Sandeep Garg, Ms. Jyoti Rani, and Ms. Chetali Chauhan, Environmental Consultants from M/s Eco Laboratories Pvt Ltd.

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

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

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

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

Item No. 208.09: Application for amendment in Environmental Clearance under EIA Notification dated 14.09.2006 of “City of Dream 115” at Kharar, District SAS Nagar by M/s GK Residency Private Limited (Proposal No. SIA/PB/MIS/268583/ 2022).

Background and salient features of the case

The Project Proponent was granted Environmental Clearance vide letter number DECC/SEIAA/MS/2019/336 dated 02.04.2019 under EIA notification dated 14.09.2006 for the establishment of a residential group housing project in the land area of 5.02 acres having a built-up area 41054 sqm. The Environmental Clearance was granted for the construction of 412 flats and 10 shops.

The Project Proponent has filed an application for amendment in Environmental Clearance and submitted Form-4 along with the revised layout plan approved by the Municipal Engineer, Municipal Council, Kharar, and a copy of the compliance report of the conditions imposed in the earlier Environmental Clearance granted. As per the revised layout plan, the total number of flats to be constructed shall be 414, and 10 shops having a built-up area of 41174 sqm.

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

1.0 Deliberations during the 221st meeting of SEAC held on 27.05.2022.

The meeting was attended by the following:

- (i) Mr. Vikas Sharma, Legal Advisor.
- (ii) Mr. Deepak Gupta, Environmental Advisor.
- (iii) Sh. Sital Singh, Environmental Consultant, M/s. Chandigarh Pollution Testing Laboratory.
- (iv) Sh. Sandeep Singh, Consultant, M/s. Chandigarh Pollution Testing Laboratory.

SEAC allowed the Environmental Consultant of Project Proponent to present the salient features of the project seeking amendment in Environmental Clearance. Thereafter, Environmental Consultant presented the environmental parameters as per earlier and the present proposal mentioned in the Table-1 as under:

Table- 1

Sr. No.	Description	As per earlier EC proposal	As per the amendment proposal
1.	Number of Flats	412	414
2.	Built-up area	41054 sqm	41174 sqm
3.	Population	2060 persons	2090 Persons
4.	Domestic water requirement	279 KLD	280 KLD
5.	Flushing requirement	64 KLD	93 KLD

After deliberations, SEAC decided to forward the case to SEIAA with the recommendation to grant amendment in Environmental Clearance issued earlier vide letter No. DECC/SEIAA/MS/2019/336 dated 02.04.2019.

2.0 Deliberations during the 208th meeting of SEIAA held on 23.06.2022.

The case was considered by SEIAA in its 208th meeting held on 23.06.2022 which was attended by the following:

- (i) Sh. Vikas Sharma, Legal Advisor on behalf of the project proponent.
- (ii) Sh. Sital Singh, S.S. Matharu, and Mr. Sandeep Singh Environmental Consultants, M/s. Chandigarh Pollution Testing Laboratory.

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

To a query by SEIAA, the project proponent informed that amount of Rs. 240 has been deposited vide NEFT No. IMPS211211305912 dated 22.04.2022 against the increase in the built-up area of 120 sqm. SEIAA observed that the fee submitted by the project proponent is adequate as per the Govt. fee order dated 27.06.2019 as amended on 22.11.2019.

During the meeting, it was informed that 50 to 55% of the construction work of the project has been completed. The Project is under construction phase and certain amendments are required due to change in layout plan as per the details mentioned in above Table 1.0 presented before SEAC.

SEIAA observed that the built-up area of the project and the population of the project has been marginally increased by 120 sqm and 30 persons respectively. As such, there is no major impact on the Environment except a slight increase in the quantity of domestic water requirement, flushing water, wastewater generation, and Municipal Solid Waste (MSW) generation for which adequate Environmental safeguards have already been prescribed.

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

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

After detailed deliberations, SEIAA decided to accept the recommendations of SEAC and amend Environmental Clearance granted vide no. DECC/SEIAA/MS/2019/336 dated 02.04.2019 for the establishment of a residential group housing project in the land area of 5.02 acres having a built-up area of 41054 sqm by M/s GK residency as per the Table-1 given above with all other details and conditions remaining same as in the original Environmental Clearance.

Item No 208.10: Assistance in mining activities being executed in the State of Punjab for construction of Dedicated Freight Corridor Project in Sahnewal-Pilkhani Section (Approximately 175 Route KM).

Senior Environment Engineer, HQ-2, PPCB vide letter no. 12531-33 dated 16.06.2022 (Annexure-1) has endorsed a copy of the letter addressed to all the Regional offices in reference to Govt. Memo No. 357418 dated 10.05.2022 for information and necessary action.

In the said letter, it has been informed that the Department of Science, Technology & Environment, Chandigarh has sent a copy of letter No. HQ/EN/MA/CST/Lot-301 Vol. IV dated 29.04.2022 (Annexure-2) received from Dedicated Freight Corridor Corporation of India Ltd (DFCCIL) for taking appropriate action in the subject matter with a direction to ensure that all the necessary actions, as mentioned in the enclosed letter, be completed well within stipulated timelines and to provide all possible assistance to the concerned Officer/ office in this regard.

1.0 Deliberations during 208th meeting of SEIAA held on 23.06.2022.

The matter was considered by SEIAA in its 208th meeting held on 23.06.2022. SEIAA perused Annexures-1 and 2 attached with the agenda and observed that Government has asked the various departments to give assistance in mining activities being executed in the State of Punjab for the construction of approximately 175 Km dedicated Freight Corridor Project in Sahnewal-Pilkhani Section.

To a query by SEIAA, Environmental Engineer informed that at present, no application for grant of Environmental Clearance related to this project is pending with SEIAA. As such, no action is required to be taken by SEIAA at this stage.

SEIAA took the note of the above and directed the supporting staff of SEIAA to give priority to the applications of the Environmental Clearance related to this project and process these cases expeditiously as and when such applications are received.

Item No 208.11: Transfer of Environment Clearance Certificate in the favour of Executive Engineer-cum-District Mining officer, Golewala Drainage Division, Ferozepur.

Executive Engineer-cum- District Mining Officer, Golewala Drainage Division, Ferozepur vide letter no. 1182-83/34-M dated 08.06.2022 has requested to transfer of Environment Clearance Certificate on his name. The details of the said sites are submitted as under:

1. **Chamb:** Area of this site is 3.32 hectares. Environment clearance has been granted by your office vide no. SEIAA/2020/3464 dated 05.11.2020 in the favour of Sh. Harkesh Singh, Authorized Signatory M/S/ Prime vision Industries Private Limited, 312, 3rd Floor, Vishal Chamber, P-1, Sector 18, Noida (UP)-201301 for mining of minor minerals in village Chamb, Tehsil Zira & District Ferozepur.
2. **Dastul Sahib wala:** Area of this site is 4.57 hectare. Environment clearance has been granted by your office vide no. SEIAA/2020/3166 dated 09.10.2020 in the favour of 'sh. Harkesh Singh, Authorized Signatory M/S/ Prime vision Industries Private Limited, 312, 3rd Floor, Vishal Chamber, P-1, Sector 18, Noida (UP)-201301 for mining of minor minerals in village Dastul Sahib Wala, Tehsil Zira & District Ferozepur.
3. **Talli Saida Sahu:** Area of this site is 4.57 hectares. Environment clearance has been granted by your office vide no. SEIAA/2020/3028 dated 09.10.2020 in the favour of Sh. Harkesh Singh, Authorized Signatory M/S/ Prime vision Industries Private Limited, 312, 3rd Floor, Vishal Chamber, P-1, Sector 18, Noida (UP)-201301 for mining of minor minerals in village Talli Saida Sahu, Tehsil Zira & District Ferozepur.

It is pertinent to mention here that Ministry of Environment, Forest & Climate Change has directed to process all applications for grant of EC (including Transfer, Amendment, and Expansion cases) through Parivesh Portal. A module for submission/consideration of applications for transfer of EC has already been prepared and the same is in operation. Moreover, Executive Engineer-cum-District Mining officer, Golewala Drainage Division, Ferozepur has not submitted the following mandatory documents:

1. NOC from the person/company to whom earlier Environmental Clearance was granted.
2. Authorization from the Government for carrying out the mining activities in the name of Executive Engineer-cum-District Mining officer, Golewala Drainage Division, Ferozepur.
3. Affidavit to the effect that Executive Engineer-cum-District Mining officer, Golewala Drainage Division, Ferozepur will comply with all EC conditions as imposed by SEIAA.
4. Fee @ Rs. 2000/- per hectare
5. Site Demarcation on AksSajra Plan with a report of the Mining and Revenue Departments.
6. Status of the compliance of the earlier granted EC conditions.

1.0 Deliberations during the 208th meeting of SEIAA held on 23.06.2022.

The matter was considered by SEIAA in its 208th meeting held on 23.06.2022. SEIAA perused the request of the Executive Engineer-cum- District Mining Officer and observed that the transfer request is incomplete as the requisite documents have not been submitted. Moreover, the application is required to be submitted on the Parivesh Portal as per the directions given by the MoEF&CC, New Delhi. Therefore, the transfer request made by the Executive Engineer-cum-District Mining Officer can not be considered at this stage.

After detailed deliberation, SEIAA decided to return the transfer request in original and ask the Executive Engineer-cum- District Mining Officer, Golewala Drainage Division, Ferozepur to submit the transfer application on the Parivesh Portal along with the mandatory documents as mentioned above, so that further necessary action can be taken in the matter.

Item No 208.12: Site Inspection Report of Mining/Desilting sites located in District SBS Nagar of the Committee constituted by Hon'ble NGT.

Inspection Committee constituted by the Hon'ble NGT has visited the 4 operational Mining/Desilting sites located in the District SBS Nagar on 25.05.2022. The site Inspection Report prepared by the Committee is attached as Annexure-3 of the Agenda.

It is pertinent to mention here that in compliance with the decision of the Inspection Committee, a copy of the visit report has already been sent to the Deputy Commissioner, SBS Nagar, and Chief Engineer-1, Drainage-cum-Mining Geology vide email dated 02.06.2022 for information and taking necessary action.

1.0 Deliberations during the 208th meeting of SEIAA held on 23.06.2022.

The matter was considered by SEIAA in its 208th meeting held on 23.06.2022. SEIAA perused the site Inspection Report prepared by the Committee (Annexure-3 of the agenda) and observed that a copy of the visit report was required to be sent to the Deputy Commissioner SBS Nagar and Chief Engineer, Mining Department, and SEIAA for information and necessary action and also to be uploaded on the website of DECC in compliance with the orders of NGT.

To this, SEIAA was apprised that a copy of the visit report has already been sent to the Deputy Commissioner, SBS Nagar, and Chief Engineer-1, Drainage-cum-Mining Geology vide email dated 02.06.2022 for information and to take necessary action. The site visit report has also been uploaded on the website of DECC in compliance with the orders of NGT. However, no report from the Deputy Commissioner SBS Nagar has been received so far.

After detailed deliberations. SEIAA decided that a reminder be sent to the Deputy Commissioner, SBS Nagar in reference to the earlier correspondence for sending the report regarding the inspection of the mining site of ADB Rail-1 and Desilting site of Mandala by the District Level Task Force as also other issues flagged by the 5-member NGT Committee including unsatisfactory compliance of EC conditions and CER activities by the Project Proponent.

Item No. 208.13: Judgement of Hon'ble Supreme Court of India in Civil appeal No. 3661-3662/2020 in continuation of Hon'ble NGT orders dated 14.10.2020 regarding District Survey Report.

Background and salient features of the matter are as under:

SEIAA was apprised in its 194th meeting held on 29.11.2021 that various representations have been received from various mining contractors on 24.11.2021, seeking relief from SEIAA in light of the order of the Hon'ble Supreme Court of India dated 10.11.2021 (passed in Civil Appeal no. 3661-3662/2020 titled the State of Bihar and Others Vs. Pawan Kumar & Ors. against the directions issued by the Tribunal vide judgment and order dated 14.10.2020).

After deliberations, it was decided that a copy of the Hon'ble Supreme Court order be sent to State Geologist and Chief Engineer Mines for information and necessary action. It was also decided that a detailed note be prepared regarding this matter which should be included as an Agenda Item in the next meeting of SEIAA.

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

- (i) A copy of the Hon'ble Supreme Court order has been sent vide email dated 07.12.2021 to State Geologist and Chief Engineer Mines for information and necessary action.
- (ii) A detailed note on the matter has been prepared and attached as Annexure-3 of the agenda.

1.0 Deliberation during the 195th meeting of SEIAA held on 14.12.2021

The matter was considered by SEIAA in its 195th meeting held on 14.12.2021. SEIAA perused the brief of the various orders of Hon'ble NGT passed on 14.10.2020, 04.11.2020, 26.02.2021, and the order of the Supreme Court of India passed on 10.11.2021.

SEIAA noted that since many months have already elapsed since the orders of the Hon'ble NGT in October 2020 and this important aspect is to be reviewed by the Hon'ble NGT, the Secretary, MoEF&CC and the Chief Secretary Punjab, it is imperative that the Sub-Divisional Committees consisting of the Sub-Divisional Magistrate, officers from Irrigation Department, State Pollution Control Board or Committee, Forest Department and Geological or mining officer may be immediately constituted in all Districts in which sand mining is either presently being carried out or is proposed to be undertaken.

The Committees need to be directed by the Government to prepare the DSRs in accordance with the SSMG 2016 and EMSGM 2020 guidelines of the MoEF&CC and asked to submit the DSRs to SEAC for evaluation within 6 weeks. Since this is an elaborate technical and scientific exercise, it is recommended that an NABT accredited consultant may also be associated by the District Committees to guide and assist them in this regard.

After detailed deliberation, SEIAA decided that a detailed agenda note be prepared for the review meeting to be conducted under the Chairmanship of worthy Chief Secretary, Punjab in compliance with orders issued by NGT on 26.02.2021 in O.A. No. 360/2015 and be placed in the next meeting of SEIAA scheduled on 28.12.2021.

In compliance with the aforesaid decision, a detailed agenda note has been prepared for the review meeting to be conducted under the Chairmanship of worthy Chief Secretary, Punjab in compliance with orders issued by NGT on 26.02.2021 in O.A. No. 360/2015 and a copy of the same has been annexed as Annexure-3 of the agenda.

2.0 Deliberation during the 196th meeting of SEIAA held on 28.12.2021.

SEIAA was apprised as above. SEIAA perused the agenda prepared for the review meeting to be conducted under the Chairmanship of Chief Secretary, Punjab in compliance of the order issued by the NGT on 26.02.2021 in OA No. 360/2015 and observed the salient features of the same as under:

- (i) SEIAA will not be able to consider cases for issuing any fresh Environmental Clearances (ECs) till the DSRs of the concerned Districts are duly prepared and approved as per directions of the Hon'ble Supreme Court and Hon'ble NGT.
- (ii) Periodic inspections conducted till date by the 5-member committee headed and coordinated by SEIAA reveal that most of the conditions of the Environmental Clearance have not been complied with.
- (iii) The provisions/stipulations of the Sustainable Sand Mining Guidelines (SSMG), 2016, as also of the Enforcement and Monitoring Guidelines for Sand Mining (EMGSM), 2020, of the MoEF&CC are not being followed at all by any of the stakeholders.
- (iv) Large-scale commercial sand mining is being carried out under the head of "desilting" for which no prior EC has been obtained.
- (v) District Level Task Forces which were required to be constituted for monitoring of mining activities as per NGT orders have not commenced working so far.
- (vi) Interaction and coordination between the various departments need to be improved.

After deliberations, SEIAA decided as under:

- (i) A point-wise brief Agenda be prepared for the review meeting to be conducted under the Chairmanship of Chief Secretary, Punjab keeping in view the aforesaid observations. A background note covering the important issues in each Agenda item may be attached with the agenda.

- (ii) Requisite action be taken immediately regarding violation of the terms and conditions of the Environmental Clearance by the sand mining contractor as and when reports from the Inspection Committee constituted by the NGT are received.

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

- (i) Brief Agenda has been prepared for the review meeting to be conducted under the Chairmanship of Chief Secretary, Punjab keeping in view the aforesaid observations which was annexed as Annexure-A of the agenda. A background note covering the important issues in each Agenda item has also been prepared and is attached as Annexure- B of the agenda.
- (ii) Show cause notices u/s 5 are being issued to M/s Rakesh Kumar Chaudhary for revocation of Environmental Clearances granted for mining of minor minerals (sand) from the mining sites located at village Dayapur, Suryawal, and Nangran, District Ropar.

Further, as per the decision of the Inspection Committee taken in its 5th meeting held on 05.01.2022, all the Inspection reports and proceedings of the meetings held by the Committee up to date, have been received through email on 02.02.2022, which are were attached as Annexure-C of the agenda.

3.0 Deliberations during 200th meeting of SEIAA held on 08.02.2022.

SEIAA perused the Annexure-A, B, and C attached with the agenda and observed as under:

- (i) Inspection Committee has forwarded the brief agenda (Annexure-A) along with a detailed background note (Annexure-B) for the review meeting to be conducted under the Chairmanship of Chief Secretary, Punjab containing six agenda items as under:
 - Item No 1.0: Preparation of District Survey Reports (DSRs) for mining of minor minerals.
 - Item No 2.0: Periodic inspections conducted by 5-Member Committee headed and coordinated by State Environment Impact Assessment Authority (SEIAA).
 - Item No 3.0 Adherence to the SSMG and EMGSM Guidelines of the MoEF&CC.
 - Item No 4.0 Requirement of Environment Clearance (EC) for “Desilting” sites.
 - Item No 5.0: Constitution of District Level Task Force for monitoring of mining activities.
 - Item No. 6.0: Interactions for effective enforcement.

SEIAA observed that all the agenda items have been well drafted, all the important issues have been addressed and requisite actions required to be taken in compliance of the order dated 26.02.2021 issued by Hon’ble NGT on 26.02.2021 in OA No. 360/2015 and Others titled National Green Tribunal Bar Association Vs. Virender Singh and Others have been enlisted.

- (ii) SEIAA observed that in compliance with the NGT order dated 26.02.2021, periodic inspections have been conducted by the Inspection Committee constituted by the Hon'ble NGT in District Ropar. Inspection Committee in its 5th meeting held on 05.01.2022 decided as under:
- a) All mining operations being carried out at the Desilting sites are required to be stopped immediately and not to be permitted till the environmental clearances are obtained under the provision of EIA notification, 14.09.2006. The other directions of Hon'ble NGT in this regard are also required to be implemented by all concerned agencies and departments.
 - b) All the Inspection reports and proceedings of the meetings held by the Committee up to date be sent to SEIAA and a copy to the Chief Secretary, Punjab for information and taking further necessary action at their end.

SEIAA has received all Inspection reports (6 no.) and proceedings of the meetings (5 no.) of the Committee constituted by the Hon'ble NGT on 02.02.2022 which are annexed as Annexure-C of the Agenda of the present meeting. SEIAA perused all the said reports and proceedings and concluded as under:

- (a) From the perusal of the visit report of the mining site of Village Dayapur, Nangran, Surewal, Tehsil Nangal, District Ropar, it was observed that the mining activities have been carried out beyond the permissible depth as well as beyond the boundaries of the mining site. The contactor has violated most of the conditions of the Environmental Clearance granted to him and has operated the sites without adhering to the provisions/stipulations of the Sustainable Sand Mining Guidelines (SSMG), 2016 and Enforcement and Monitoring Guidelines for Sand Mining (EMGSM), 2020 of the MoEF&CC. The site inspections indicated that mining has been carried out without requisite control/monitoring by the concerned State agencies.
- (b) From the perusal of visit report of mining site of Village Bhallan and Plassi, Tehsil Nangal, District Ropar, it was observed that these mining sites were not in operation on date of visits.
- (c) From the perusal of the visit report of desilting site of Bari Haveli, Ropar, it was observed that large-scale commercial sand mining was in progress for which no prior EC had been obtained and environment aspects have been ignored.

After detailed deliberations, SEIAA decided as under:

- (i) Brief agenda (Annexure-A) along with detailed background note (Annexure-B) and all the reports of the Inspection Committee be sent to the Chief Secretary, Punjab through

Principal Secretary Environment via e-office file in continuation of the previous e-office file on the subject.

- (ii) All the Inspection reports of the Committee be forwarded to the Chief Engineer, Mining with a copy to the Secretary-cum-Director, Mines & Geology with a request to take necessary action to ensure compliance of the conditions of Environmental Clearance granted to the contractor and enforce the stipulation as envisaged in the Sustainable Sand Mining Guidelines (SSMG), 2016 and Enforcement and Monitoring Guidelines for Sand Mining (EMGSM), 2020 of the MoEF&CC in whole state of Punjab as it is apprehended that sand mining is being carried out in other parts of the Punjab without adhering to the conditions stipulated in the EC's and with similar violations as those which have been observed in Ropar District.
- (iii) Show cause notices to issue direction u/s 5 of the Environmental (Protection) Act, 1986 to stop sand /gravel mining activities being carried out under the classification of "Desilting" in the State of Punjab be issued to the Chief Engineer, Mining and to Sh Rakesh Kumar Choudhary, Mining Contractor.
- (iv) Show cause notice to initiate action u/s 5 of the Environment (Protection) Act, 1986 for revocation of environmental clearance granted for mining of minor minerals (Sand/ Gravel) in the revenue estates of Villages Dayapur, Nangran and Surewal, Tehsil Nangal, Distt. Ropar along with other action be issued to the mining contractor namely Sh Rakesh Kumar Choudhary.
- (v) In compliance of the directions of the Hon'ble NGT in para 28 of its order dated 26.02.2021, the site visit reports and action taken thereon be uploaded on the website of SEIAA.

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

- (i) Brief agenda (Annexure-A) along with detailed background note (Annexure-B) and all the reports of the Inspection Committee has been sent through e-office file on 19.02.2022 to the Member Secretary, SEIAA for forwarding the same to Chief Secretary, Punjab through proper channel. Meeting was fixed on 07.03.2019 which was postponed due to certain administrative reason. The file was again put up through e-office file on 17.03.2022 for seeking fresh date for conducting the meeting under the Chairmanship of Chief Secretary, Punjab. The file is pending at the level of PSSTE.
- (ii) All the Inspection reports of the Committee (Annexure-2 to Annexure-7) has been forwarded vide letter no 5080-81 dated 17.02.2022 to the Chief Engineer, Mining and a copy to the Secretary-cum-Director, Mines & Geology with a request to take necessary action in the matter.

- (iii) Show cause notices u/s 5 of the Environmental (Protection) Act, 1986 has been issued to the Chief Engineer, Mining vide letter no 5067 dated 17.02.2022 to stop sand /gravel mining activities being carried out under the classification of “Desilting” in the State of Punjab.
- (iv) Show cause notices u/s 5 of the Environmental (Protection) Act, 1986 has been issued to Sh Rakesh Kumar Choudhary, Mining Contractor vide letter no 5068 dated 17.02.2022 to stop sand /gravel mining activities being carried out under the classification of “Desilting” at Mining Site of Bari Haveli, Ropar till the grant of Environmental Clearance under EIA Notification dated 14.09.2006 to such mining sites.
- (v) Show cause notices u/s 5 of the Environmental (Protection) Act, 1986 has been issued to Sh Rakesh Kumar Choudhary, Mining Contractor vide letter no 5070-71 dated 17.02.2022, vide letter no 5072-73 dated 17.02.2022 and vide letter no 5074-75 dated 17.02.2022 respectively for revocation of environmental clearance granted for mining of minor minerals (Sand/ Gravel) in the revenue estates of Villages Dayapur, Nangran and Surewal, Tehsil Nangal, Distt. Ropar.
- (vi) The site visit reports and action taken thereon has been uploaded on the web page of SEIAA maintained on the website of DECC on 22.02.2022.

Further, Chief Engineer, Mining and Sh. Rakesh Kumar Chaudhary, Contractor Mining has submitted their reply to the Show Cause notice which is annexed as Annexure A, B, C and D respectively.

4.0 Deliberations during 203rd meeting of SEIAA held on 29.03.2022.

The matter was considered by SEIAA in its 203rd meeting held on 29.03.2022. SEIAA was apprised that in compliance with the decision taken by SEIAA in its 202nd meeting held on 16.03.2022, a copy of the reply submitted by Chief Engineer, Drainage-cum-Mining and Geology, Water Resources Department vide letter no. 1222 dated 14.03.2022 has already been forwarded vide email dated 24.03.2022 to the Inspection Committee constituted by the NGT with a request to send their comments on the reply. Accordingly, Inspection Committee has scheduled its meeting on 01.04.2022.

SEIAA perused the reply submitted by Sh. Rakesh Kumar Chaudhary, Contractor and observed that the reply is incomplete and unsatisfactory. After deliberations, SEIAA decided as under:

- (i) Comments of the Inspection Committee as and when received, be placed in the forthcoming meeting of SEIAA so that further necessary action in the matter can be taken.
- (ii) Sh. Rakesh Kumar Chaudhary, Contractor be given an opportunity of personal hearing on 12.04.2022 at 3:30 pm before the Chairman SEIAA with a direction to submit complete replies along with the documentary proofs to the show cause notice failing which proposed actions mentioned in the show cause notice will be taken.

In compliance with the decision mentioned at (i), it is submitted that the Inspection Committee (Constituted in compliance of NGT order dated 26-02-2021 in OA No 360 of 2015) has conducted its 7th meeting held on 01.04.2022 and the proceeding of the said meeting has been recorded as under:

“Reference has been received from SEIAA in which the reply submitted by the Chief Engineer Drainage cum Mining vide letter dated 14.03.2022 in response to the show-cause notice issued by SEIAA to stop mining activities being carried out under the classification of ‘Desilting’ in the State of Punjab was considered. Chief Engineer in his reply to the notice has stated that desilting sites have been allotted to mining contractors as per the Punjab Sand Mining Policy, 2018 and further stated that desilting activities are exempted from obtaining EC as per MoEF Notification dated 15.01.2016. This issue has been examined and the Committee did not find any merits in the reply. The committee, therefore, reiterates the position and findings given in its earlier Inspection reports.”

In compliance with the decision mentioned at (ii), Sh. Rakesh Kumar Chaudhary, Contractor, and his consultant has been asked vide letter no 35 dated 07.04.2022 to appear before the Chairman, SEIAA in the 204th meeting of SEIAA to be held on 12.04.2022 (Tuesday) at 3:00 pm in Conference Hall no. 1 (Room No 311), 2nd Floor, MGSIPA Complex, Sector-26, Chandigarh and present their revised reply/plan to the show cause notice failing which proposed actions mentioned in the show cause notice will be taken without giving any further opportunity.

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

SEIAA perused the comments send by the Inspection Committee and observed that Committee has found no merit in the reply submitted by the Chief Engineer, Mining. SEIAA also perused the reply submitted by Chief Engineer Mining and was of the same opinion as the 5- member NGT Committee. After deliberations, SEIAA decided that Chief Engineer, Mining 1 & 2 be given an opportunity of personal hearing on **26.04.2022 at 3:00 pm** before the Chairman SEIAA with a direction to submit a complete reply along with the documentary proofs to the show cause notice failing which proposed actions mentioned in the show cause notice will be taken.

Further, Sh. Sachin Chaudhary, duly authorized by Sh. Rakesh Chaudhary, Contractor Mining has appeared on 12.04.2022 at 3:00 PM before the SEIAA along with his Environmental Consultant and presented the pointwise reply to the observations of show cause notice. Representative of Project Proponent stated that the non-compliance of some of the EC conditions was primarily on account of the Covid pandemic and assured full compliance of EC conditions in future. He, therefore, requested that the Environmental Clearances granted to the Mining sites located in the Revenue Estates of Village Dayapur, Nangran, and Surewal, Tehsil Nangal & District Ropar should not be revoked. SEIAA perused the replies submitted by the project proponent and was not satisfied with the same. SEIAA also observed that Environmental Consultant has not yet submitted

the proposed Remediation plan and Natural and Community Resource Augmentation Plan with respect to the violations made by the Contractor. The Environmental Consultant sought 30 days' time to submit the same.

After deliberations, SEIAA decided to accept the request of the project proponent and asked the Environmental Consultant to submit the remediation plan and Natural & Community Resource Augmentation Plan within 30 days failing which proposed action as mentioned in the show-cause notice shall be taken without giving any further opportunity. SEIAA also directed that till a final decision is taken regarding revoking the EC's/ approval of Remediation Plan, no mining or extraction activities shall be carried out in the mining sites allotted to the contractor in the Revenue Estates of Village Dayapur, Nangran, and Surewal, Tehsil Nangal, District Ropar.

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

- i) Chief Engineer Mining is being asked to appear on 26.04.2022 at 3:00 pm before the Chairman SEIAA with a direction to submit a complete reply along with the documentary proofs to the show cause notice failing which proposed actions mentioned in the show cause notice will be taken.
- ii) Direction's u/s 5 of Environment (Protection) Act, 1986 are being issued Sh. Rakesh Kumar Chaudhary, Contractor Mining to stop mining or extraction activities carried out in the mining sites located in the Revenue Estates of Village Dayapur, Nangran, and Surewal, Tehsil Nangal, District Ropar and the updated status be placed during the meeting of SEIAA scheduled on 26.04.2022.

6.0 Deliberations during the 205th meeting of SEIAA held on 26.04.2022.

Sh. Davinder Singh, Chief Engineer, Drainage-cum-Mining & Geology-1 appeared before the SEIAA in its 205th meeting held on 26.04.2022. He submitted the written reply in reference to the SEIAA/MS/2022/116 dated 22.04.2022 which was taken on record by SEIAA. The contents of the said reply are reproduced as under:

“Reference your show cause notice on the cited subject and further communication granting a personal hearing to the undersigned, it is requested and submitted as under:

1. *The District Survey Reports (DSR's) for sand and Gravel mining are under preparation in accordance with the SSMG 2016 and EMGSM 2020 Guidelines of the MOEF&CC. This is a time-consuming exercise involving extensive surveys, collection of field data and conducting replenishment studies. However, it is assured that all the DSRs for the Districts*

in which sand mining is required will be submitted for approval to SEIAA within 4 months' time.

- 2. Applications for grant of EC's for the "Desilting" sites will be submitted immediately upon approval of the DSR's by SEIAA.*
- 3. Stopping of sand and gravel extraction operations in all the "Desilting sites in the entire State of Punjab will lead to huge shortages and in increase in prices which will adversely affect the common man and the economy of the State.*
- 4. It is, therefore, requested that the above referred show cause notice may kindly be held in abeyance for a period of 6 months so that the EC's for the Desilting sites may be obtained after completion of the above statutory processes."*

SEIAA observed that the preparation of the District Survey Reports in accordance with the SSMG 2016 and EMGSM 2020 Guidelines of the MoEF&CC was the responsibility of the District Administration and the same should have been followed up and ensured by the Mining Department. This important exercise ought to have been completed by now as more than 14 months have elapsed since the directions in this regard were issued by the Hon'ble NGT. Moreover, this issue was also specifically emphasized by SEIAA in meetings held with the Chief Engineer Mining and State Geologist on 29.06.2021 and 08.09.2021. Hon'ble Supreme Court has also directed vide its orders dated 10.11.2021 in Civil Appeal No(s) 3661-62/2020 that fresh DSRs are to be prepared for all Districts in accordance with the EMGSM Guidelines, 2020 of the MOEF&CC. Despite this, not a single DSR has been prepared/submitted to SEIAA / SEAC for appraisal/approval till date.

SEIAA further observed that a number of General and Specific conditions are invariably imposed while granting ECs to sand mining sites in the State of Punjab. It would, therefore, not be possible to permit the continued operation of the "Desilting" sites in which commercial sand mining is being carried out without imposition of the same set of conditions as prescribed in other ECs for commercial sand mining sites.

On the other hand, SEIAA found some substance in the aforementioned reply submitted by the Chief Engineer Drainage-cum-Mining & Geology-1 that complete cessation of sand mining in all "Desilting" sites would result in acute shortages and price escalations which would impact the common man as also the State exchequer. The period of 4 months for the preparation/submission of the DSRs requested by Chief Engineer Mining was also necessary since the post monsoons replenishment study data is also to be incorporated in the DSRs.

Keeping the above in view and after detailed deliberations, SEIAA decided to conditionally accept the request of the Chief Engineer, Mining and keep the show cause notice in abeyance for an initial period of 4 months during which the DSRs should be prepared and submitted to SEAC.

Subject to timely submission of the DSRs within 4 months, the notice would be held in abeyance for a further period of 2 months during which the DSRs would be appraised by SEAC and considered for approval by SEIAA. However, Chief Engineer, Mining shall direct all the concerned mining contractors who have been permitted to undertake commercial Sand Mining in the “Desilting” Sites to ensure meticulous compliance of the standard conditions prescribed by the MOEF&CC for mining activities in river beds as specified at Pages 73-78 of the Sustainable Sand Mining Management Guidelines (SSMG), 2016 attached as Annexure-1 of the proceedings. For the purpose of safeguarding the Environment, SEIAA may also impose additional specific conditions for the operation of the desilting sites on the basis of inspection reports received from the 5-member NGT appointed Committee or the concerned District Level Task Force. Mining Department would be responsible for ensuring the compliance of all Standard and Specific conditions imposed by SEIAA for the commercial desilting sites during the period the show cause notice is held in abeyance as above.

It was also clarified to the Chief Engineer, Mining that as per the MoEF&CC Notification S.O. 1224 (E) dated 28.03.2020, dredging and de-silting of dams, reservoirs, weirs, barrages, rivers and canals for the purpose of their maintenance, upkeep, and disaster management have been exempted from the requirement of Environmental Clearance under the provision of EIA Notification, 14.09.2006, and these activities can, therefore, be continued by their Department where technically necessary without obtaining ECs. However, no exemption is available from obtaining Environmental Clearance under the provision of EIA Notification, 14.09.2006 in respect of commercial sand mining operations even if such commercial sand mining is classified as a “Desilting” operation.

In compliance with the aforesaid decision, Chief Engineer, Mining-1 has been informed vide letter no 154-155 dated 12.05.2022 as above.

Further, in compliance with the decision taken by SEIAA in its 204th meeting held on 12.04.2022, Sh. Rakesh Kumar Chaudhary was asked vide letter no 107,110 and 113 dated 22.04.2022 to stop mining or extraction activities carried out in the mining sites located in the Revenue Estates of Village Dayapur, Nangran, and Surewal, Tehsil Nangal, District Ropar, respectively and copies of the same were endorsed vide letter no 108, 111 and 114 dated 22.04.2022 and to 5 members Inspection Committee vide letter no 109, 112 and 115 dated 22.04.2022 for information and which were sent through email.

The contractor vide letter dated 08.06.2022 has now submitted a copy of the remediation plan and Natural & Community Resource Augmentation Plan of mining sites located in the Revenue Estates of Village Dayapur, Nangran, and Surewal, Tehsil Nangal, District Ropar for approval and requested to consider the same to set aside the show cause notice issued and not to revoke the Environment Clearance granted to the mining leases. The said plan is attached as Annexure-4 of the agenda.

7.0 Deliberations during the 208th meeting of SEIAA held on 23.06.2022.

The matter was considered by SEIAA in its 208th meeting held on 23.06.2022 which was attended by Sh. Sameer Singh, Environmental Consultant of the Contractor. He stated that the requisite Remediation Plans etc have already been submitted and requested that the same may be approved. He further requested that in light of this, the mining/extraction activities in the mining sites located in the Revenue Estates of Village Dayapur, Nangran, and Surewal, Tehsil Nangal, District Ropar which had been suspended by SEIAA may be permitted to be resumed.

To a query by SEIAA, Environmental Engineer SEIAA apprised that Mining Department vide letter no. 368 dated 08.06.2022 has sent the progress made in compliance with the orders of Hon'ble NGT and the decisions taken by the Chief Secretary, Punjab in the meeting held on 29.04.2022. The relevant portion of this report is as under:

- i) Directions to all Executive Engineers-cum-District Mining Officers have been issued vide letter no. 266 dated 26.05.2022 to direct concerned contractors to ensure compliance of the said conditions of SSMG, 2016.
- ii) The 'R' notice under Rule 85(5) of Punjab Minor Minerals Rules, 2013 has been issued to the Mining Contractors by the concerned Executive-cum-District Mining Officer, Roopnagar on the basis of the Inspection report sent by the Inspection Committee constituted by the Hon'ble NGT.

SEIAA observed that monsoon season is due to commence within a few days during which sand mining operations are required to be totally suspended. SEIAA further felt that before taking a final decision on the matter, a detailed report regarding the Action Taken on the visit reports of the Inspection Committee and the status of the lease of the mining sites are required to be obtained from the Mining Department. Further, the Remediation plans and Natural & Community Resource Augmentation Plans of mining sites located in the Revenue Estates of Village Dayapur, Nangran, and Surewal, Tehsil Nangal, District Ropar submitted by the contractor are required to be examined by SEAC.

After detailed deliberations, SEIAA decided to defer the matter and ask the Mining Department to send the detailed action taken report on the site visit reports of the Inspection Committee sent by SEIAA vide letter no 5080-81 dated 17.02.2022 within 15 days. The Remediation Plans and the Natural & Community Resource Augmentation Plans submitted by the Project Proponent along with relevant other documents be sent to SEAC for its examination and recommendations. The matter be placed before SEIAA after getting the action taken report from the Mining Department and recommendations from SEAC.

Item No. 208.14: Complaints regarding the illegal mining in the State of Punjab.

The matter was placed in the 208th meeting held on 23.06.2022 but this supplementary agenda item could not be taken up due to paucity of time. The SEIAA decided to defer the matter and the same be placed before SEIAA in its next meeting to be held on 04.07.2022.

Item No. 208.15: CWP No. 12659 of 2022 titled Friends and Companies Vs State of Punjab & Ors.

This supplementary agenda item was placed in the 208th meeting held on 23.06.2022 but could not be taken up due to paucity of time. The SEIAA decided to defer the matter and the same be placed before SEIAA in its next meeting to be held on 04.07.2022.

Item No. 208.16: Appeal No. 20/2022 titled Sandeep Singh Vs Union of India & Ors.

SEE, Zonal Office-1, PPCB, Patiala vide letter no. 3408-3410 dated 13.06.2022 (Annexure-9) informed that an appeal was filed before the Hon'ble NGT by Sh. Sandeep Singh against grant of Environmental Clearance (EC) vide order dated 19.01.2022 by State Level Environment Impact Assessment Authority (SEIAA), Punjab in terms of proposal dated 15.07.2021 for the project "Omaxe Chandigarh Extension" for expansion, being developed by M/s Omaxe Chandigarh Extension Developers Pvt. Ltd.

Hon'ble NGT vide its orders dated. 25.05.2022 (Annexure-9A) has constituted a joint Committee comprising MoEF&CC, CPCB, SEIAA, Punjab and Punjab State PCB. Regional Officer, CPCB and State PCB will be the nodal agency for coordination and compliance. It has also been desired that the Committee may undertake a visit to the site, interact with the stakeholders, verify factual position and furnish a report inter alia covering observations given in Para 3 of the above said NGT order dated 25.05.2022. Compliance of the draft notification of MoEF&CC on residential townships may also be mentioned. The Committee may give its report by e-mail in the form of searchable PDF/OCR Support DF and not in the form of image PDF, **by the next date of hearing i.e. 26.08.2022.**

In light of the NGT orders dated 25.5.2022, the Competent Authority of the Board has proposed the following officers as a member of the Joint Committee:

1. Sh. Vimal Hatwal, Scientist or to be nominated by MoEF.
2. Sh. Gurnam Singh, Zonal Officer, CPCB, Chandigarh.
3. Sh. Kamal Garg, PCS, MS, SEIM, Punjab.
4. Sh. Paramjeet Singh, SEE, PPCB, Zonal Office-I, Patiala.
5. Sh. Lavneet Kumar, SEE, PPCB, presently RO, SAS Nagar.

In the said letter, it has been requested that the concerned officer from SEIAA may be asked to attend the meeting(s) of the aforesaid Joint Committee so that timely compliance of the NGT orders can be made.

Beside the above, Hon'ble NGT in para no. 4 directed as under:

"Though none appears for the appellant, having regard to the above, we find it necessary to require a response from SEIAA and the PP and an independent factual report from a joint Committee of Regional Officer, MoEF&CC, Regional Officer, CPCB, SEIAA, Punjab and State PCB".

It is pertinent to mention here that as per the order passed by the Hon'ble NGT, a copy of the paper book from the appellant has yet to be received.

1.0 Deliberations during the 208th meeting of SEIAA held on 23.06.2022.

The matter was considered by SEIAA in its 208th meeting held on 23.06.2022. SEIAA was apprised as above. After detailed deliberation, SEIAA decided as under: -

- i) Member Secretary, SEIAA shall represent SEIAA in the joint committee constituted by Hon'ble NGT. He shall attend the meeting of Nodal Agencies i.e., CPCB & PPCB on behalf of SEIAA as and when scheduled. Environmental Engineer SEIAA will provide all necessary support including documentation etc. to Member Secretary SEIAA for this purpose.
- ii) Since SEIAA has also been asked to separately file its reply in the OA, appropriate steps to engage legal counsel in the matter should be initiated immediately.
- iii) Regional office, Mohali of the PPCB be asked to provide a copy of the paper book before convening the meeting of the Joint Committee.

Item No. 208.17: Status of time-bound conditions imposed while granting the Environmental Clearance to the various project proponent.

This supplementary agenda item was placed in the 208th meeting held on 23.06.2022 but could not be taken up due to paucity of time. The SEIAA decided to defer the matter and the same be placed before SEIAA in its next meeting to be held on 04.07.2022.

Table Discussion: Request of the Mining Department regarding keeping the District Survey Reports in the Public domain without the replacement studies.

Environmental Engineer apprised SEIAA that a meeting was held on 17.06.2022 at 12:30 pm through video conference under the Chairmanship of the Principal Secretary, Mines & Geology, Punjab wherein Chairman, SEIAA, and Consultants hired by the District Administrations in the State of Punjab were invited to discuss the issues related draft District Survey Reports. Deliberations made during the meeting are as under:

- i) While forwarding the model DSR in compliance with the directions given by worthy Chief Secretary, Punjab in a meeting held on 29.04.2022, the Department of Science of Technology and Environment vide their letter dated 13.06.2022 has asked all the Deputy Commissioners to submit the District Survey Reports for appraisal/approval to SEAC/SEIAA by 30.09.2022.
- ii) Clause 4.1.1 (p) Public Consultation of the Enforcement & Monitoring Guidelines for sand mining, 2020 was discussed the relevant part of which is reproduced below:

The Comments of the various stakeholders may be sought on the list of mining lease to be auctioned. The State Government shall give an advertisement in the local and national newspaper for seeking comments of the general public on the list of mining lease included in the DSR. The DSR should be placed in the public domain for at least one month from the date of publication of the advertisement for obtaining comments of the general public. The comments so received shall be placed before the sub-divisional committee for active consideration. The final list of sand mining areas [leases to be granted on riverbed & Patta land/Khatedari land, desiltation location (ponds/lakes/dams), M-Sand Plants (alternate source of sand)] after the public hearing needs to be defined in the final DSR in the format as per Annexure-V. The details regarding cluster and contiguous cluster needs to be provided in Annexure-VI. The details of the transportation need to be provided in Annexure-VII.

- iii) In view of the timeline given for the submission of DSR for appraisal/approval i.e. 30.09.2022, the Mining Department and Consultants requested that the draft District Survey Reports, based on the pre-monsoon survey having detail of the area of deposition as per Annexure-II, III & IV of 2020, Guidelines, may be placed in the public domain and the final reserve estimation for auction of mines shall be updated after post-monsoon survey.
- iv) The Chairman SEIAA was requested to allow the mining department to place a draft DSR in the public domain for seeking comments/suggestions from various stakeholders on the basis of data collected during the pre-monsoon survey so as to complete the process of DSR preparation in the prescribed time.

After detailed deliberations, SEIAA decided as under:

- i) The mining department / their appointed consultants should prepare and complete their respective Draft DSRs except the portion relating to post-monsoon replenishment studies in accordance with the Model DSR already supplied to them. The approximate quantities of mineable materials may only be provided in the Draft DSRs at this stage.
- ii) Thereafter, these Draft DSRs (minus the post-monsoon replenishment studies) may be placed in the public domain for seeking comments/suggestions from various stakeholders on the basis of data collected during the pre-monsoon survey with approximate quantities of mineable material subject to the condition that final reserve estimation for auction of mines shall be updated in the DSRs after post-monsoon survey and the same shall also be included in the mining plans.
- iii) The final DSRs should be prepared and submitted to SEIAA by 30.09.2022 after updating the post-monsoon replenishment study data and after due consideration/incorporation of the issues raised by the stakeholders during the time period of one month in which the Draft DSRs are placed in the public domain.

Meeting ended with a vote of thanks to the Chair.
