

Proceedings of the 260th meeting of the State Environment Impact Assessment Authority (SEIAA), Punjab, held on 12.09.2023 in the Conference Hall no. 2, 1st Floor, MGSIPA Complex, Sector-26, Chandigarh at 10:00 AM.

The meeting was attended by the following members:

- 1) Sh. H S Gujral,
Chairman, SEIAA
- 2) Sh. Kamal Kumar Garg, IAS
Member Secretary, SEIAA
- 3) Dr. Adarsh Pal Vig, Member SEIAA -cum
Chairman, Punjab Pollution Control Board, Patiala

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

Chief Engineer- Department of Mining & Geology along with other officials from Head office of the Mining Department also participated in the meeting during deliberations regarding the Agenda Items pertaining to the state Mining Department.

Item No. 01: Confirmation of the proceedings of the 258th and 259th meeting of the State Environment Impact Assessment Authority

The proceedings of the 258th and 259th meeting of the State Environment Impact Assessment Authority (SEIAA) held on 29.08.2023 and 31.08.2023 were circulated through email on 08.09.2023 and 10.09.2023 respectively. Since, no comments have been received from any member regarding the proceedings, the said proceedings have been uploaded on the Parivesh Portal. SEIAA confirmed the said proceedings as uploaded on the Parivesh Portal. Further SEIAA directed that action on the proceedings of the 258th and 259th meeting of the State Environment Impact Assessment Authority (SEIAA) held on 29.08.2023 and 31.08.2023 to be taken at the earliest and the action taken report to be placed in the 262nd meeting of SEIAA as and when scheduled.

General Discussions

Item 01: Regarding allocation of vehicle for Chairman, SEIAA and its supporting staff.

Environmental Engineer apprised SEIAA that most of the time the vehicle hired by the DECC has not been available for the officers and supporting staff of SEIAA resulting in difficulties in discharging their official duties. There is an urgent need of a vehicle for the official use of Chairman, SEIAA and for the supporting staff of the Authority for undertaking various important tasks such as dealing with the court cases, to attend the meetings of SEIAA, site visits and meetings of the committee constituted by the Hon'ble NGT for monitoring sand mining in the state and for day to day working of SEIAA. The requirement of a dedicated vehicle for the exclusive use of SEIAA will be further accentuated when SEIAA shortly shifts to the new office in the PBIT building, Mohali since regular movement of files between the PBTI office in Mohali and MGSIPA complex in Chandigarh will be vital.

After detailed deliberations, it was decided that DECC may be requested to arrange an Innova Crysta taxi for Chairman, SEIAA on monthly rental basis so that the same can be utilized by Chairman SEIAA and the supporting staff of the Authority. It was further decided that the payment of monthly rental of the taxi may be made by the Directorate of Environment and Climate Change (DECC), Chandigarh, from the account of processing fees for Environmental Clearances.

Item no. 02: Environmental Management Plan of the mining projects

While considering the mining projects for grant of Environmental Clearance in the 258th meeting of SEIAA, it has come to the notice of SEIAA that some of the project proponents had earmarked very high budgets and some others had provided very low budgets to execute their respective Environmental Management Plans (EMP). Whereas some variation in the EMPs on account of local / site specific conditions is understandable, SEIAA was of the opinion that huge differences in outlays for similar activities in similar terrains was not justified. In this regard SEIAA observed that the average EMP outlays (Capital Costs) in the projects approved by it till date were in the range of Rs. 8 to 12/ MT depending upon the size and location of the mining site. However, the outlays for EMPs approved as per item no. 258.06 and item no. 258.13, were Rs. 24.23/MT and Rs. 1.7/MT respectively which were respectively inordinately higher / lower than the average outlays. As such, the approved budgets for the Environmental Management Plans of both these items are required to be amended. After detailed deliberation, it was decided that EMPs in item no.'s 258.06 and 258.13 should be revised and amendment be issued accordingly.

Item No. 260.01: Application for Environmental Clearance of Existing Steel Manufacturing at Village Ambey Majra, Mandi Gobindgarh, District Fatehgarh Sahib, Punjab, Punjab by M/s Rudra Alloys (Proposal No. SIA/PB/IND1/431914/2023).

The industry is an existing unit and was granted Consent to Operate under the provisions of the Air Act, 1981 which is valid up to 30.09.2025. The consent was granted for the manufacturing of 84 MTD of steel Ingots.

The industry was granted Terms of Reference vide letter No. 5083 dated 18.02.2022 for carrying out EIA study for obtaining Environmental Clearance under EIA Notification dated 14.09.2006 for expansion of existing steel manufacturing unit. The industry is covered under category 3(a) of the schedule appended with the EIA Notification dated 14.09.2006. The total cost of the project is Rs. 26.87 Crore.

The industry has submitted EIA/EMP report after incorporating the compliance of Terms of Reference, PFR and other relevant documents through parivesh Portal. The industry is required to deposit Rs. 2,68,700/-. The industry had deposited of Rs. 67,175/- (25%) vide UTR No. N348211752241675 dated 14.12.2021 and now, industry has also deposited of Rs. 2,01,525/- vide UTR No. HDFCR52023052057927034 dated 20.05.2023. The adequacy of the fee has been checked & verified by the supporting staff of SEIAA.

The public hearing was conducted on 24.01.2023 and the proceedings of the said hearing was conveyed by Punjab Pollution Control Board vide letter No. 10352-55 dated 03.05.2023. The comments pertaining to site suitability are as under:

“Suitability of site:

The existing site of the industry falls in the industrial zone as observed in the notified master plan of Mandi gobindgarh (2010-31). The industry has not proposed any additional land in its application. Hence the site of the industry is suitable for the proposed expansion project as per sitting guidelines framed by the board.

Adequacy of pollution control board

Air pollution: *The industry has proposed to replace induction furnace of capacity 7 TPH with new induction furnaces of capacity 1X10 TPH, 1X12TPH and 1X15 TPH, rolling mill (1x20 TPH), LRF*

(1x15 TPH) VD, Concast. It has proposed to install side suction hood, spark arrestor, bag house and ID fan as APCD as per the design of PSCST, Chandigarh.

Water Pollution: The industry has proposed domestic effluent generation @ 7 KLD, which will be treated in STP of 10 KLD capacity and further treated water will be used in plantation/green area. The cooling water shall be re-circulated.

Hazardous Waste: The industry has proposed generation of hazardous waste of capacity 35.1 @ 0.5 TPD and 5.1 @ 0.05 KL/Year, which will be disposed off to authorized re-processor as per hazardous & other wastes (Management & Transboundary Movement) Rules, 2016. The proposed pollution control schemes submitted by the industry for Air and Water pollution are adequate in principle.

The industry has not purchased any additional land for the expansion of the project and has proposed its expansion in existing premises (28328 sqm) only. Also, it had submitted proposal for developing green area 9348.24 sqm in existing premises, which is 33.3% of total area of the project and the green area proposed by the industry is adequate.

Construction Status:

The industry has installed foundation pillars for the proposed expansion at the site."

1.0 Deliberations during 256th meeting of SEAC held on 21.08.2023.

The meeting was attended by the following:

- (i) Mr. Nitin Gupta, Director M/s Rudra Alloys.
- (ii) Dr. Ranjna Sharma, Environmental Consultant M/s. Chandigarh Pollution Testing Laboratory.
- (iii) Sh. Sital Singh, Environmental Consultant, M/s. Chandigarh Pollution Testing Laboratory.

SEAC allowed the Environmental Consultant of the Promoter Company to present the reply before the Committee as under:

Sr. No.	Description	Details
1	Basic Details	
1.1	Name of Project & Project Proponent:	M/s Rudra Alloys Pvt. Ltd. Nitin Naresh Gupta

		Director
1.2	Proposal:	SIA/PB/IND1/431914/2023
1.3	Location of Industry:	Village-Ambey Majra, Mandigobindgarh, Tehsil- Amloh, District Fatehgarh Sahib, Punjab
1.4	Details of Land area & Built up area:	The total land area is 7 acre or 26685.79 sqm
1.5	Category under EIA notification dated 14.09.2006	The project falls under S.No. 3(a) – Metallurgical Industries
1.6	Cost of the project	Existing –Rs. 6.87 Cr Proposed – Rs. 20.0 Cr Total - Rs. 26.87 Cr
1.7	Compliance of Public Hearing Proceedings	<p>Compliance</p> <ul style="list-style-type: none"> ➤ The public hearing was conducted on project site on 24.01.2023. ➤ Public Hearing Notice Published on 23.10.2022 in prominent newspaper namely ‘The tribune and ‘Rozana Spokesman (Punjab daily). ➤ Total 80 persons attended the public hearing. <p>Following issues were raised during public hearing</p> <ol style="list-style-type: none"> 1. Greenbelt 2. Air and Water Pollution 3. Employment 4. Health and Safety of Workers. 5. Environmental activities <p>Detailed Action Plan along with timeline and Budget allocation is given as Annexure I.</p>
2.	Site Suitability Characteristics	
2.1	Whether site of the industry is suitable as per the provisions of Master Plan:	Yes, the site falls in approved existing Industrial zone
2.2	Whether supporting document submitted in favour of statement at 2.1, details thereof: (CLU/building plan approval status)	The project falls in Industrial area as per the Master Plan of Mandi Gobindgarh. The industry is an existing unit and has not proposed to increase area for carrying out expansion.
3	Forest, Wildlife and Green Area	
3.1	Whether the industry required clearance under the provisions of	No forest land is involved in the project. An undertaking in the prescribed format submitted.

	Forest Conservation Act 1980 or not:				
3.2	Whether the industry required clearance under the provisions of Punjab Land Preservation Act (PLPA) 1900:	No, the industry does not require the clearance under the provisions of Punjab Land Preservation Act (PLPA) 1900. An undertaking in the prescribed format submitted.			
3.3	Whether industry required clearance under the provisions of Wildlife Protection Act 1972 or not:	No wildlife sanctuary is involved in the vicinity or study area of the project site. An undertaking in the prescribed format submitted.			
3.5	Whether the industry falls within the influence of Eco-Sensitive Zone or not. (Specify the distance from the nearest Eco sensitive zone)	Not applicable			
3.6	Green area requirement and proposed No. of trees:	33% i.e., 8825.71m ² of total area as per MoEF&CC stipulated norms will be developed as the green belt. A total of 1324 trees will be planted. Out of which 300 plants have already been planted. Thus, 1024 trees need to be planted more.			
4.	Raw material, Products and Machinery details are as under:				
	S.No.	PARTICULARS	EXISTING	PROPOSED	TOTAL
	A.	PROPOSED CAPACITY OF FURNACES & ROLLING MILLS			
	1.	Induction Furnace	1X7TPH (upgraded)	1X10 TPH, 1X12, 1X15 TPH	1X10 TPH, 1X12, 1X15 TPH
	2	Annealing Furnaces	2x20 TPH and 1x30 TPH	Nil	2x20 TPH and 1x30 TPH
	2.	Rolling mill	Nil	20 Ton/hr.	20 Ton/hr.
	3.	Ladle Refining Furnace (LRF)	Nil	15TPH	15TPH
	4.	Concast	Nil	01 No.	01 No.
	5.	VD	Nil	01 No.	01 No.

	B.	PRODUCTS (TPA)			
		Steel Ingots/billets, Angles, Channels, Rounds, Square, TMT, Bars, Flats, Patra	29,400 (Steel ingots)	1,26,000	1,55,400
	C.	RAW MATERIAL (TPA)			
	1.	MS Scrap, CI, Sponge Iron, Ferro Alloys	32,200	1,40,350	1,72,550
	D.	GENERALS			
	1.	Project Cost (Crores)	Rs. 6.87	Rs. 20.0	Rs. 26.87
	2.	Land	7.0 acres or 26685.79 sqm	Nil	7.0 acres or 26685.79 sqm
	3.	Power (KW)	4100	8000	12,100
	4.	Manpower (Nos.)	100	100	200
	5.	Working days	350 working days in year		
4.1					
4.2	Population details	Existing Manpower – 100 Additional - 100 Total- 200			
5	Water				
5.1	Total water requirement:	257 KLD			
5.2	Source:	Own Tube Well			
5.3	Whether Permission obtained for abstraction/supply of the fresh water from the Competent Authority (Y/N) Details thereof	Permission to PWRDA is already been filed and is under process.			
5.4	Total water requirement for domestic purpose:	9 KLD			
5.4.1	Total wastewater generation:	Industrial Effluent – Nil Domestic wastewater – 7.2 KLD			
5.4.2	Treatment methodology for domestic wastewater: (STP capacity, technology & components)	No waste water is generated from the industrial operations. However, 7.2 KLD domestic waste water will be treated in STP of capacity 10 KLD and used in landscaping and plantation.			
5.5	Total water requirement	Total Water requirement- 257 KLD			

5.5.1	Total effluent generation:	There are no generations of effluents from process.																
5.5.2	Treatment methodology for industrial wastewater: (ETP capacity, technology & components)	NA																
5.6	Details of utilization of treated wastewater into green area in summer, winter and rainy season	The wastewater generated from domestic will be treated through STP and will be used for plantation within premises.																
5.7	Cumulative Details: Water Consumption for Summer (KLD)																	
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5.8	Rain water harvesting proposal:	<p>Outside: The industrial unit has adopted one village pond for rain water harvesting. The total recharge potential will be 52,500 KL/Annum. NOC obtained from Sarpanch is submitted. Further, all the waste water of nearby village which will be directed towards the village pond will be first treated in trenches through CSIR-NEERI's Phytoid waste water treatment technology and overflow water will be discharged into the pond.</p> <p>Inside: - A tank of 12 KLD is proposed for inside rain water harvesting using roof top of the project site.</p>																
6	Air																	
6.1	Details of Air Polluting Machinery and APCDs installed are as under:																	
	EXISTING																	
	S.No.	Source	Existing	APCD														
	1.	Induction Furnace	1X 7TPH (to be replaced)	Bag Filters														
	2.	Annealing furnaces	2x20 TPH 1x30 TPH	PNG														

	2.	DG Set	1X160KVA	Stack with adequate height	
AFTER EXPANSION					
	S.No.	Source	After Expansion	APCD	
	1.	Induction Furnace	1x10 TPH, 1x15 TPH	Pulse Jet Bag filters with offline Technology	
	2	Induction Furnace	1x12 TPH	Pulse Jet Bag filters with offline Technology	
	3	Induction Furnace	1x15 TPH	Pulse Jet Bag filters with offline Technology	
	4.	Annealing furnaces	2x20 TPH 1x30 TPH	PNG	
	5.	Rolling Mill	1x20 TPH	PNG	
	6.	Concast Machine	01 No.	--	
	7.	DG Set	1x160 KVA	Stack with adequate height	
7	Waste Management				
7.1	Total quantity of solid waste generation		Solid Waste		
	Sr No.	Waste Category	After Expansion	Disposal	
	1.	Slag	40.0 TPD	Slag after Iron recovery will be sent to M/s Bittu Ram Contractor manufacturer of tiles for final disposal under proper agreement.	
7.2	Details of management and disposal of solid waste (Mechanical Composter/Compost pits)		Disposal of Solid waste will be as per MSW rules, 2016		
7.3	Details of management of Hazardous Waste.		Solid/ Hazardous Waste		
	S.No.	Waste Category	Existing	After Expansion	Disposal
	1.	35.1	0.023 TPD	1.3 TPD	The dust generated

			Flue gas Cleaning residue			from APCD is being/will be stored in impervious pit and sent to M/s Madhav Alloys Pvt Ltd under proper agreement.														
		2.	Used Oil	0.01kl/annum	0.01 kl/annum	Will be used as lubricant within the industry														
8	Energy Saving & EMP																			
8.1	Power Consumption:	Existing – 4100 KW Additional – 8000 KW After Expansion – 12,100 KW Source - Punjab State Power Corporation Limited, Punjab																		
8.2	Energy saving measures:	LEDs have been proposed to be used instead of CFLs.																		
9.	CER Activities	<p>CER activities- Based on Public hearing issues the following CER activity will be carried out</p> <table border="1"> <thead> <tr> <th>Sr. No.</th> <th>Activities</th> <th>Timeline</th> <th>Budget Allocation (In Rs)</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Construction of walls in government Primary School</td> <td rowspan="2">Within One year after grant of EC</td> <td rowspan="2">Rs 20.0 Lakhs</td> </tr> <tr> <td>2.</td> <td>Construction of walls in Dispensary of Ambey Majra</td> </tr> <tr> <td colspan="3">Total</td> <td>Rs 20.0 Lakhs</td> </tr> </tbody> </table>					Sr. No.	Activities	Timeline	Budget Allocation (In Rs)	1.	Construction of walls in government Primary School	Within One year after grant of EC	Rs 20.0 Lakhs	2.	Construction of walls in Dispensary of Ambey Majra	Total			Rs 20.0 Lakhs
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10.	EMP BUDGET																			
	S. No	Title		Capital Cost Rs. Lakh	Recurring Cost Rs. Lakh															
	1	Pollution Control during construction stage		5.0	2.0															
	2	Air Pollution Control (Installation of APCD)		240.0	20.0															

3	Water Pollution Control/ STP up-gradation	15.0	5.0
4	Noise Pollution Control	10	0.50
5	Landscaping/ Green Belt Development	10.24	13.24
6	Solid Waste Management	10.0	10.0
7	Environment Monitoring and Management	5.0	3.0
8	Occupational Health, Safety and Risk Management	10.0	2.0
9	RWH	10.0	0.10
10	Miscellaneous	4.0	--
11	Additional Environmental Activities	20.0	
	TOTAL	339.24	55.84

Sr. No.	Detail of query/ statement/ information/ clarification sought by the person present	Action Plan	Time Line And Budget Allocation
1.	Mr. Malkit Singh, social worker village Ambey Majra asked about the saplings already planted by industry and the social work done in the village? Apart from this, Mr. Malkit Singh also expressed his opposition to the expansion of project?	<p>A minimum 33% i.e. 8825.71 sqm of project area is required to be developed as greenbelt. However, Industry has already developed 2000 m² of project area by planting 300 number of trees.</p> <p>In the remaining area of 6825.71m² Plants will be planted of different species</p> <p>As far as social work is concerned, the industry has done welfare activities such as</p>	<p><u>Greenbelt</u></p> <p>Timeline- After outset of the forth coming monsoon season.</p> <p>Budget Allocation– Rs. 10.24 Lakhs as capital cost and Rs 13.24 lakhs for 3 years as recurring cost under EMP cost.</p> <p><u>Additional Environmental Activities</u></p> <p>Timeline- Within three years after grant of EC.</p>

		<ol style="list-style-type: none"> 1. Running Charitable Hospital by name Shree Sant Ashram in village Amloh. 2. Running a Charitable School by name Pujya Shri Gian Muni Jain Public School in Shanti Nagar, Mandi Gobindgarh. 3. Donating Money in Cowshed <p>In addition to above, following Additional Environmental activities will be carried out within a period of three years.</p> <ol style="list-style-type: none"> 1. Construction of walls of Government school, Ambey Majra 2. Construction of walls of Dispensary of Village Ambey Majra. 	<p>Budget Allocation- Rs 20.0 Lakhs has been kept for Additional Environmental Activities</p>
2.	<p>Mr. Malkit Singh, Social Worker Village Ambey Majra gain asked about the saplings planted and the work done by the industries such as Oasis Enterprises, Bhawani Industries and Fortune Metals after 2006.</p>	<p>A minimum 33% i.e. 8825.71 sqm of project area is required to be developed as greenbelt. However, Industry has already developed 2000 m² of project area by planting 300 number of trees.</p> <p>In the remaining area of 6825.71m² Plants will be planted of different species</p> <p>As far as social work is concerned, the industry has done welfare activities such as</p> <ol style="list-style-type: none"> 1. Running Charitable Trust by name Shree Sant Ashram in village Amloh. 2. Running a Charitable School by name Pujya Shri Gian Muni Jain Public School in 	<p><u>Greenbelt</u></p> <p>Timeline- After outset of the forth coming monsoon season.</p> <p>Budget Allocation– Rs. 10.24 Lakhs as capital cost and Rs 13.24 lakhs for 3 years as recurring cost under EMP cost.</p> <p><u>Additional Environmental Activities</u></p> <p>Timeline- Within three years after grant of EC.</p> <p>Budget Allocation- Rs 20.0 Lakhs has been kept for Additional Environmental Activities</p>

		<p>Shanti Nagar, Mandi Gobindgarh.</p> <p>3. Donating Money in Cowshed</p> <p>In addition to above, following Additional Environmental activities will be carried out within a period of three years.</p> <p>i. Construction of walls of Government school, Ambey Majra</p> <p>ii. Construction of walls of Dispensary of Village Ambey Majra.</p>	
3.	<p>Mr. Tejwant Singh, village Talwara said that the promises made by the factories In their area are not fulfilled and their issues were not heard by the Regional Office Mandi Gobindgarh. After which, communication was done with the DC office and a meeting was held at the SDM office, in which they took their elders of the village but the factory owners did not come themselves but instead sent their men. The SDM office has also not given solution to their problems. Apart from this, the water generated from industries stands on the road due to which the villagers face difficulty in passing, the trucks coming in industry stand on the road and their drivers misbehave with the ladies of the village. Also, industry spreads air pollution in the area and does not keep the hood on</p>	<p>Presently, 3.6 KLD of domestic effluent is being generated, which is treated in septic tank. After the treatment the entire domestic water is mixed with cooling blowdown water, which is used for plantation. Thus, no wastewater is being discharged outside the premises.</p> <p>After Expansion, a total 7.2 KLD of domestic effluent will be generated. The same shall be treated in STP of capacity 10 KLD. After treatment, domestic water will be mixed with cooling blowdown water and will be used for plantation. After expansion also, no wastewater will be discharged outside the industry.</p> <p>A proper record will be maintained in this regard.</p> <p>An area of 801.74 m² is kept for transporting parking. All kind of loading and unloading will be done inside the premises only. No truck will be allowed to park along outside the road which</p>	<p>For STP</p> <p>Budget Allocation –</p> <p>For STP- Rs 15.0 Lakhs as capital cost and Rs 5.0 Lakhs as recurring cost.</p> <p>Timeline- As soon as expansion will take place.</p>

	<p>the furnace. The promises made by industry have not been fulfilled and the villagers are facing problems.</p>	<p>may cause inconvenience to villagers.</p> <p>Fixed type Side Suction Hood will be a part of APCD and the system will be installed during construction phase. This fixed type hood will remain in position at all the times for collection and suction of emissions.</p> <p>To contain the concentration of pollutants within the prescribed standards, bag filter house as APCD will be installed. Also, OCEMS will be provided on the stack of this APCD for real time monitoring of the conc. of PM in the emissions, which will be attached with the server of the PPCB and CPCB.</p> <p>Following Additional Environmental activities will be carried out within a period of three years.</p> <ol style="list-style-type: none"> 1. Construction of walls of Government school, Ambey Majra 2. Construction of walls of Dispensary of Village Ambey Majra. <p>All the activities listed above will be fulfilled. The same shall be complied in the six-monthly compliance.</p>	<p><u>For APCD</u></p> <p>Budget Allocation</p> <p>Rs 240 Lakhs as capital cost and Rs 20 Lakhs as recurring cost.</p> <p>Timeline- before commissioning of the expansion plan of the unit.</p> <p><u>Additional Environmental Activities</u></p> <p>Timeline- Within three years after grant of EC.</p> <p>Budget Allocation- Rs 20.0 Lakhs has been kept for Additional Environmental Activities</p>
4.	<p>Mr. Tejwant Singh, village Talwara again questioned that the industries do not put hood on the furnace, therefore, the complete concentration of emissions from the Chimney cannot be measured.</p>	<p>Fixed type Side Suction Hood will be a part of APCD and the system will be installed during construction phase. This fixed type hood will remain in position at all the times for collection and suction of emissions.</p> <p>To contain the conc. of pollutants within the prescribed</p>	<p><u>For APCD</u></p> <p>Budget Allocation</p> <p>Rs 240 Lakhs as capital cost and Rs 20 Lakhs as recurring cost.</p>

		standards, bag filter house as APCD will be installed. Also, OCEMS will be provided on the stack of this APCD for real time monitoring of the conc. of PM in the emissions, which will be attached with the server of the PPCB and CPCB.	Timeline- before commissioning of the expansion plan of the unit.
5.	Mr. Malkit Singh Social Worker, Village Ambey Majra, asked if industry can be located in residential area and within MC limit.	As per master plan of master plan of Mandi Gobindgarh (2010-2031), M/s Rudra Alloys falls in the Industrial zone of the notified Master Plan of Mandi Gobindgarh.	-
6.	Mr. Tejwant Singh, Village Talwara asked that the pollution that industrial emissions has a limit and if it emits more than that, then a fine is imposed on it.	The compliance of discharge standards will be ensured at all the time. Further, OCEMS will be installed to monitor the real time level of PM in the emissions, which will be connected to server of CPCB and PPCB. Therefore, there is no scope the exceedance of PM level in the emission beyond the prescribed standards.	For OCEMS Budget Allocation: Rs.10 Lakhs. TimeLine: Before commissioning of expansion plan of the unit.
7.	Mr. Tejwant Singh, village Talwara asked that there is chemical addition in the water of the cooling tower and the plants cannot be given this water.	No chemical will be added in the cooling water as only soft water will be used in the cooling tower as make up water. Therefore, the blow down of the cooling tower will not contain any kind of chemical contamination. 3.6 KLD of domestic effluent is being generated, which is treated in septic tank. After the treatment the entire domestic water is mixed with cooling blowdown water, which is used for plantation. After Expansion, a total 7.2 KLD of domestic effluent will be generated. The same shall be treated in STP of capacity 10 KLD. After treatment, domestic water	For STP Budget Allocation – For STP- Rs 15.0 Lakhs as capital cost and Rs 5.0 Lakhs as recurring cost. Timeline- As soon as expansion will take place.

		will be mixed with cooling blowdown water and will be used for plantation.	
8.	Mr. Gurdeep Singh, village Ambey Majra said that he has no objection for the increase to the existing unit. He demanded that four walls of the school and the dispensary of the village be constructed by the unit.	The industry will construct walls of the school and Dispensary	<p><u>Additional Environmental Activities</u></p> <p>Timeline- Within three years after grant of EC.</p> <p>Budget Allocation- Rs 20.0 Lakhs has been kept for Additional Environmental Activities</p>
9.	Mr. Praveen Kumar, shopkeeper of village Ambey Majra asked how the industry shall take care about the security of factory workers.	<ul style="list-style-type: none"> ➤ Occupational health checkup will be done from time to time ➤ Worker will be provided with PPE kits and no worker will be permitted to work in work zone without all safety equipment. 	<p><u>Budget Allocation-</u></p> <p>Rs 10.0 Lakhs has been kept as capital cost under Occupational Health, Safety and Risk management and Rs 2.0 Lakhs as recurring cost.</p> <p>Timeline- As soon as expansion will take place.</p>
10.	Mr. Gurdeep Singh of village Ambey Majra requested that with the expansion of industry, employment should be provided to the youth of the village on priority basis.	As of now, total 100 works are employed by M/s Rudra Alloys Pvt Ltd. Further, Expansion will bring additional employment for 100 people. Local people will be preferred based on their qualification and their respective experiences.	<p>TimeLine:</p> <p>Before start of expansion plan project.</p>

The Committee perused the proceedings of the public hearing of the industry held on 24.01.2023 along with proposed action plan for compliance of the queries sought by the general public during the public hearing. One of the residents of Village Talwara, Sh. Tejwant Singh pointed out that the trucks coming in the industry stand on road. To this query, the industry has mentioned in the action plan that the industry shall leave parking area of 801.74 sqm for transport parking. However, as per the application, the industry has proposed to leave only 603.03 sqm for transport parking. The Committee asked the industry to clarify the same and

submit proper justification. In this regard, the industry apprised the Committee that total No. of 19 trucks/day carrying either raw material or product shall remain in movement. At a time, only 3-4 trucks shall be parked inside the industrial premises for loading & unloading purposes. The parking space of approximately 70 sqm is required for parking of one truck, as such, parking space of 603.03 sq.m shall be sufficient for 8 trucks. The Committee noted the same.

The Committee observed that the industry has already installed 500 KW solar panels in the area proposed to be developed as green area. The industry apprised the Committee that the solar panels of 500 KW capacity shall be shifted to the roof top of the industrial sheds. Therefore, the proposed green area shall remain intact. The industry submitted an undertaking in this regard which was taken on record by the Committee.

The Committee was satisfied with the presentation given by the Project Proponent and after detailed deliberations, the Committee decided to award '**Silver Grading**' to the project proposal and decided to forward the application of the project proponent to SEIAA with the recommendation to grant Environmental Clearance for expansion of Existing Steel Manufacturing at Village Ambey Majra, Mandi Gobindgarh, District Fatehgarh Sahib, Punjab, Punjab by M/s Rudra Alloys, subject to the following standard conditions:

I. Statutory compliance

- i. The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.
- ii. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
- iii. The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site Specific Conservation Plan/ Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report (in case of the presence of schedule-I species in the study area).

- iv. The project proponent shall obtain Consent to Establish/ Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned Punjab Pollution Control Board.
- v. The project proponent shall obtain the necessary permission from the Central Ground Water Authority/competent authority concerned, in case of withdrawal of groundwater and also in case of use of surface water required for the project. In case of non-grant of permission by CGWA for ground water abstraction, the industry shall make alternative arrangements by using surface water or treated city sewage effluent after obtaining permission from the competent authority.
- vi. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.
- vii. The project proponent shall comply with the siting criteria, standard operating practices, code of practice and guidelines if any prescribed by the SPCB/CPCB/MoEF&CC for such type of units.
- viii. The project proponent shall comply with the CLU conditions imposed by the competent authority, if any.

II. Air quality monitoring and preservation

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

- iii. The project proponent shall install a system to carry out Manual Ambient Air Quality monitoring for parameters relevant to the main pollutants released (e.g. PM₁₀ and PM_{2.5} 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 within and three outside the plant area at an angle of 120° each), covering upwind and downwind directions.
- iv. The project proponent shall submit monthly summery report of continuous stack emission and air quality monitoring and results of manual stack monitoring and manual monitoring of air quality/ fugitive emissions to the Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.
- v. Appropriate Air Pollution Control (APC) system shall be provided for all the dust-generating points including fugitive dust from all vulnerable sources.
- vi. The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.
- vii. Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, etc. regularly.
- viii. Recycle and reuse of iron ore fines, coal and coke fines, lime fines and such other fines collected in the pollution control devices and vacuum cleaning devices in the process after briquetting/ agglomeration should be ensured.
- ix. The project proponent shall use leak-proof trucks/dumpers carrying coal and other raw materials and cover them with tarpaulin.
- x. The project proponent shall provide covered sheds for raw materials like scrap and sponge iron, lump ore, coke, coal, etc.
- xi. The project proponent shall provide primary and secondary fume extraction system at all melting furnaces.
- xii. Design and implementation of the ventilation system for adequate air changes as per the ACGIH document for all tunnels, motor houses, Oil Cellars should be ensured.

III. Water quality monitoring and preservation

- i. The project proponent shall monitor regularly ground water quality at least twice a year (pre and post-monsoon) at sufficient numbers of piezometers/ sampling wells in the plant and adjacent areas through labs recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories.
- ii. Garland drains and collection pits shall be provided for each stock pile to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run off.
- iii. The project proponent shall practice rainwater harvesting to the maximum possible extent. As an additional safety measure, the stream carrying waste water of the village shall be diverted in one corner of Phytoid plants trench (designed based on the technology developed by CSIR-NEERI's) divided into different parts, the overflow of each chamber shall be allowed to enter into another chamber which will ultimately lead to the purification of water and collected into the pond to avoid any contamination of ground water aquifer. Pond water will percolate through natural strata (without injection) to augment the ground water and remaining water shall be used for irrigation purposes by pumping method in the nearby fields.
- iv. The project proponent shall make efforts to minimize water consumption in the steel plant complex by segregation of used water, practicing cascade use and by recycling treated water.

IV. Noise monitoring and prevention

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

V. Energy Conservation measures

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

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

VI. Waste management

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

VII. Green Belt

- i. Green belt shall be developed in an area of 8825.71sqm (equal to 33% of the plant area) with native tree species in accordance with SEIAA guidelines. Total 1024 tall saplings (minimum 6 feet height) of indigenous species will be planted.

VIII. Public hearing and Human health issues

- i. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
- ii. The project proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms of Factory Act.

- iii. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
- iv. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
- v. The project proponent shall carry out the activities and spent an amount as commuted during the public hearing as per the public hearing action plan.

IX. Environment Management Plan

- i. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental/ forest/ wildlife norms/conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions to all / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
- ii. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of Senior Executive, who will directly report to the head of the organization.
- iii. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and will not be diverted for any other purpose. An action plan for implementing following activities under EMP, Additional Environmental Activities and environmental conditions along with the responsibility matrix of the company shall be prepared and shall be duly approved by the competent authority.

S. No	Title	Capital Cost Rs. Lakh	Recurring Cost Rs. Lakh
1	Pollution Control during construction stage	5.0	2.0
2	Air Pollution Control (Installation of APCD)	240.0	20.0
3	Water Pollution Control/ STP up-gradation	15.0	5.0
4	Noise Pollution Control	10	0.50
5	Landscaping/ Green Belt Development	10.24	13.24
6	Solid Waste Management	10.0	10.0
7	Environment Monitoring and Management	5.0	3.0
8	Occupational Health, Safety and Risk Management	10.0	2.0
9	RWH	10.0	0.10
10	Miscellaneous	4.0	--
11	Additional Environmental Activities	20.0	
	TOTAL	339.24	55.84

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

X. Validity

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

XI. Miscellaneous

- i. The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of

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

- ii. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
- iii. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
- iv. The project proponent shall monitor the criteria pollutants level namely; 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.
- v. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the Ministry of Environment, Forest and Climate Change at environment clearance portal.
- vi. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
- vii. The project proponent shall inform the Regional Office of the Ministry and PPCB, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
- viii. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
- ix. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the SEAC and SEIAA.

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

XII. Additional Conditions:

- i. The project proponent shall submit the progress of developing the green belt in the six-monthly compliance report.
- ii. The Project Proponent shall install online monitoring system at inlet as well as at the outlet of each APCD for monitoring SPM.
- iii. The Project Proponent shall submit compliance of the action plan proposed to address the public hearing issues along with the six-monthly compliance report of EC condition on Parivesh portal.

2.0 Deliberations during the 260th meeting of SEIAA held on 12.09.2023:

The case was considered by SEIAA in its 260th meeting held on 12.09.2023 which was attended by the following:

- i) Mr. Nitin Naresh Gupta, Director M/s Rudra Alloys.
- ii) Dr. Ranjna Sharma, Environmental Consultant M/s. Chandigarh Pollution Testing Laboratory.
- iii) Sh. Sital Singh, Environmental Consultant, M/s. Chandigarh Pollution Testing Laboratory.

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

To a query by SEIAA, Environmental Consultant confirmed that there is no increase/addition in the land area of the project which remains as 26685.79 sqm (6.59 acres).

To another query by SEIAA, Environmental Consultant informed that rain water collection tank of adequate capacity shall be provided within the project premises and the collected water will be re-utilized for cooling purposes.

The project proponent submitted the revised EMP plan of the Project including AEA activities as under:

Table-1

S. No	Title	Capital Cost Rs. Lakh	Recurring Cost Rs. Lakh
1	Pollution Control during construction stage	5.0	2.0
2	Air Pollution Control (Installation of APCD) Including OCEMS	240.0	20.0
3	Water Pollution Control/ STP up-gradation	15.0	5.0
4	Noise Pollution Control	10.0	0.50
5	Landscaping/ Green Belt Development	10.24	13.24
6	Solid Waste Management	10.0	10.0
7	Environment Monitoring and Management	5.0	3.0
8	Occupational Health, Safety and Risk Management	10.0	2.0
9	RWH	10.0	0.10
10	Miscellaneous	4.0	--
11	Construction of Boundary wall of Govt. Primary school & Dispensary of Ambey Majra.	20.0	--

12	Additional Environmental Activities*	27.0	
	TOTAL	366.24	55.84

* The details of the activities to be carried out under the Additional Environmental Activities (AEAs) are as under:

Sr. No.	ACTIVITIES	BUDGET ALLOCATION (Rs Lakhs)	TIMELINE
1.	Tree Plantation Through Green Mission Punjab.	Rs 7.0 Lakhs	Funds to be deposited in Treasury through Fatehgarh Sahib in GPM head by 01.12.2023
2	Rejuvenation of Adopted Pond of Village Kumbran	Rs 20.0 Lakhs	Monsoon season 2024 (April-May)
Total		Rs 27.0 Lakhs	

After detailed deliberations and examination of relevant documents, SEIAA decided to accept the recommendations of SEAC and grant Environmental Clearance for expansion of existing steel manufacturing unit at Village Ambey Majra, Mandi Gobindgarh, District Fatehgarh Sahib, Punjab, by M/s Rudra Alloys, as per the details mentioned in the application and subsequent presentation /clarifications made by the project proponent and his consultant with proposed measures and subject to the conditions proposed by SEAC and additional condition as under:

- 1) The project proponent shall undertake EMP (including Additional Environment Activities) as per Table-1 above. Towards this end, the Project Proponent will deposit Rs 7 Lakhs in the Government treasury through the DFO Fatehgarh Sahib prior to 30.11.2024 or before start of the project whichever is earlier under the budget head of Greening Punjab Mission as under:

Demand No.	32- Forestry and Wildlife
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Major Head	0406-Forestry and Wildlife
Sub Major Head	01- Forestry
Minor Head	102- Receipts from Social and Farm Forestry
Sub Head	03- Green Punjab Mission
Detailed Head	01-Green Punjab Mission Fees

- 2) The PP shall construct rain water collection tank of adequate capacity within the project premises and re-utilize the same for cooling purposes.
- 3) The PP will commence the tree plantation work within the project premises at the earliest and complete the same within 1 year. 8 ft tall plants of indigenous species should be used for plantation.
- 4) The PP will shift the solar panels presently installed in the area earmarked for Green Belt development to the rooftop of the industrial shed within 3 months time.

Item No. 260.02: Application for Environmental Clearance under EIA notification dated 14.09.2006 for the establishment of commercial Project namely “Jubilee Westgrove” at Village Bairampur, SAS Nagar, Punjab by M/s Jubilee Joy Homes LLP (Proposal No. SIA/PB/INFRA2/405718/2022).

The Project Proponent has proposed to establish commercial project at Village Bairampur, SAS Nagar, Punjab, in the total land area of 10 acres having built up area of 65149 sqm. The Project is covered under Activity 8(a) & Category ‘B2’ as per EIA notification-2006.

The Project Proponent has submitted the application form and other additional documents along with processing fee amounting to Rs. 130298/- vide UTR No. N34622244421663 dated 12.12.2022, as checked & verified by the supporting staff SEIAA.

The Project Proponent has submitted the conceptual plan wherein total plot area has been mentioned as 10 acres having built up area of 65149 sqm. The total green area shall be 2817.3 sqm. As per the conceptual plan, 500 service apartments, 42 SCOs and 106 shops are proposed to be constructed.

Punjab Pollution Control Board vide letter no. 82 dated 03.01.2023 has sent the latest construction status report with details as under:

“Accordingly, the site was visited by the officer of the Board on 21/12/2022 and it was observed as under:

- 1. No site development work has been started at the site. The site is located on Kharar Banur Road. The project proponent has provided demarcation of the site using tin sheds on one side. On the back side of the project site, Chandigarh Group of College, Landran have been established. Lakhnaur drain passes through some part of the project site.*
- 2. The project proponent has installed one DG set of 30 KVA with canopy and inadequate stack height.*
- 3. No MAH industry/cement plant/ grinding unit/ rice sheller/ saila plant/ stone crushing/ screening cum washing unit/ hot mix plant/ brick kiln within a radius of 500 m from the boundary of the proposed site of the project. No air polluting industry located within 100 m of the site. Therefore, the site of the project is conforming to the sitting guidelines laid down by the Govt. of Punjab, Department of Science Technology and Environment vide order dated 25/7/2008 as amended on 30/10/2009.*
- 4. GMADA has not laid sewer in the area. Further, the project proponent has not submitted any alternate scheme for the disposal of treated effluent.”*

1.0 Deliberations during 236th meeting of SEAC held on 09.01.2023.

The meeting was attended by the following:

- (i) Sh. A.S Rathore, AGM M/s Jubilee Joy Homes LLP.
- (ii) Sh. Deepak Gupta, Environmental Advisor.
- (iii) Sh. Sandeep Singh, Environmental 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:	Jubilee Westgrove JUBILEE JOY HOMES LLP
1.2	Proposal:	SIA/PB/MIS/122453/2019
1.3	Location of Project:	Village Bairampur, Kharar Landran Road, Mohali, District- SAS Nagar, Tehsil- Derabassi, Punjab
1.4	Details of Land area & Built up area:	Plot area = 40483.27 Built up area = 65149 sqm
1.5	Category under EIA notification dated 14.09.2006	8 (a)
1.6	Cost of the project	INR 115.92 Crores
2.	Site Suitability Characteristics	
2.1	Whether project is suitable as per the provisions of Master Plan:	The site of project falls in the mix land use zone as per the Master Plan of Mohali and the permission for change of land use (CLU) for the same is obtained vide memo no. 1733 - DTP(SAS Nagar) dated 12-09- 22 from Department of Town & Country Planning, Punjab for the total land area measuring 10 acres.
2.2	Whether supporting document submitted in favour of statement at 2.1, details thereof: (CLU/building plan approval status)	As per above
3	Forest, Wildlife and Green Area	
3.1	Whether the project required clearance under the provisions	The Project Proponent has submitted an undertaking to the effect that no land area of the project is covered under the provisions of Forest Conservation Act 1980.

	of Forest Conservations Act 1980 or not:																			
3.2	Whether the project required clearance under the provisions of Punjab Land Preservation Act (PLPA) 1900.	No, a self-declaration in this regard submitted.																		
3.3	Whether project required clearance under the provisions of Wildlife Protection Act 1972 or not:	No, a self-declaration in this regard submitted.																		
3.4	Whether the project falls within the influence of Eco-Sensitive Zone or not.	No																		
3.6	Green area requirement and proposed No. of trees:	Green Area = 2818 sqm No. of trees proposed = 520 trees																		
4.	Configuration & Population																			
4.1	Proposal & Configuration	<table border="1"> <thead> <tr> <th>Sr. No.</th> <th>Descriptions</th> <th>Area in Sqm</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Plot area</td> <td>40483.27</td> </tr> <tr> <td>2.</td> <td>Proposed FAR @ 2.7292 of Plot area</td> <td>50206.69</td> </tr> <tr> <td>3.</td> <td>Non-FAR</td> <td>14942.31</td> </tr> <tr> <td>4.</td> <td>Built up area (Non-FAR + FAR)</td> <td>65149 sqm</td> </tr> </tbody> </table> <p>The above said details area as per the application proposal & Conceptual plan.</p>	Sr. No.	Descriptions	Area in Sqm	1.	Plot area	40483.27	2.	Proposed FAR @ 2.7292 of Plot area	50206.69	3.	Non-FAR	14942.31	4.	Built up area (Non-FAR + FAR)	65149 sqm			
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2	SCO/ Shops	6	148	i. 1 person/3 sq.m for	(3261+2290) =5551															

					Ground floor(9783/3) ii. 1 person/3 sq.m for Ground floor(13744/6)	Out of which 90% (4996) shall be floating population and remaining 10% (555) shall be permanent population
Total Population =						6051
5	Water					
5.1	Total water demand w.r.t Population:					
	S. No.	Description	No. of DUs/Area (m2)	Occupancy	Total Water Requirement (KLD)	
	A.	Domestic Water				
		• Residents	500	500	68	
		• Shops	148	5551	555@45 lpcd=25 KLD 4996@15 lpcd=75 KLD	
		Total			168 KLD	
	B	Wastewater generated			134 KLD	
		Flushing water requirement 555 persons@20 lpcd 4996 persons@10 lpcd 500 persons@45 lpcd			(11 +50+23)=84 KLD	
	C	Treated wastewater disposal			50 KLD in the green area of 2818 sq.m however the same is not adequate	
5.2	Total fresh water requirement:		84 KLD			

5.3	Source:	Ground water				
5.4	Whether Permission obtained for abstraction/supply of the fresh water from the Competent Authority (Y/N) Details thereof	Application for obtaining permission of abstraction of 84 KLD of groundwater has been submitted with PWRDA and same is under process.				
5.4	Total wastewater generation:	134 KLD				
5.5	Treatment methodology: (STP capacity, technology)	STP capacity:200 KLD Technology: MBBR Technology Treated waste water: 134 KLD				
5.6	Treated wastewater for flushing purpose:	84 KLD				
5.7	Treated wastewater for green area in summer, winter and rainy season: (Karnal Technology)	Summer season: 50KLD Winter season: 50 KLD Rainy season: 50KLD				
5.8	Cumulative Details:					
	S. No.	Total water Requirement	Total wastewater generated	Treated wastewater	Flushing water requirement	Green area requirement
	1.	168 KLD	134 KLD	134 KLD	84 KLD	50 KLD
	* The excess treated wastewater shall be utilized for plantation within the project site.					
5.9	Rain water harvesting proposal:	<ul style="list-style-type: none"> • Volume of a single Recharge pit = 3 m x 2m x 4 m = 24 KLD • No. of pits required = 12 Pits Total 12 Rain Water Harvesting pits being proposed for artificial rain water recharge within the project premises.				
6	Air					
6.1	Details of Air Polluting machinery:	3 No. of DG Sets of capacity 500 KVA ,240 KVA & 125 KVA shall be installed for power backup.				
6.2	Measures to be adopted to contain particulate emission/Air Pollution	The said DG sets shall be equipped with acoustic enclosure to minimize noise generation and adequate stack height for proper dispersion.				
7	Waste Management					
7.1	Total quantity of solid waste generation	1310 kg/day				

7.2	Details of management and disposal of solid waste (Mechanical Composter/Compost pits)	<p>Solid wastes will be appropriately segregated at source by providing bins into recyclable, Bio-degradable Components, and non- biodegradable.</p> <p>Bio-Degradable waste</p> <ol style="list-style-type: none"> 1. Bio-degradable waste will be subjected to composting through Organic Waste Converter and the compost will be used as manure. (600 Kg/day capacity) 2. STP sludge is proposed to be used in horticulture. 3. Horticultural Waste is proposed to be composted and used for gardening. <p>Recyclable waste</p> <ol style="list-style-type: none"> i. Grass Recycling – The cropped grass will be spread on green area. It will act as manure after decomposition. ii. Recyclable waste like paper, plastic, metal etc. will be disposed through local approved recyclers. <p>Disposal</p> <p>Recyclable & non-recyclable waste will be disposed through an authorized service provider/vendor.</p>															
7.5	Details of management of Hazardous Waste.	Used Oil generated shall be given to the authorized recyclers															
8	Energy Saving & EMP																
8.1	Power Consumption:	3900 kVA															
8.2	Energy saving measures:	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Sr. No.</th> <th style="width: 60%;">DESCRIPTION</th> <th style="width: 30%;">SAVINGS (kVA)</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1.</td> <td>Solar based Lighting will be done in the landscape areas, signage, entry gates and boundary walls etc.</td> <td style="text-align: center;">60</td> </tr> <tr> <td style="text-align: center;">2.</td> <td>LEDs for internal lighting</td> <td style="text-align: center;">810</td> </tr> <tr> <td colspan="2" style="text-align: center;">Total Energy Saved</td> <td style="text-align: center;">870</td> </tr> <tr> <td colspan="3"> Total energy consumption = 3900 KW Energy saved through various provisions = 870 kVA </td> </tr> </tbody> </table>	Sr. No.	DESCRIPTION	SAVINGS (kVA)	1.	Solar based Lighting will be done in the landscape areas, signage, entry gates and boundary walls etc.	60	2.	LEDs for internal lighting	810	Total Energy Saved		870	Total energy consumption = 3900 KW Energy saved through various provisions = 870 kVA		
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8.3	Details of activities under Environment Management Plan:	During construction phase Partner will be responsible and during operation phase, Partner will be responsible for implementation of the EMP.															

		COMPONENT	CAPITAL COST (INR LAKH)	RECURRING COST (INR LAKH/YR)
		Sewage Treatment Plant	60.0	6.0
		Rain Water Harvesting System	6.0	1.0
		Solid Waste Management	15.0	8.0
		Environmental Monitoring	---	12.80
		Green Area/ Landscape Area	15.0	8.0
		Total	96.0	35.80
8.4	CER details	No activities under CER has been proposed as per the decision of joint meeting of SEIAA & SEAC.		

After detailed deliberations, the Committee decided to defer the case till the reply of the below mentioned observations:

1. The Project Proponent shall submit the NOC for access road to the project under the provision of the Forest Conservation Act, 1980.
2. The Project Proponent shall submit the revised details of the population by revising the population for studio apartments @ 2 person/studio apartment.
3. The Project Proponent shall revise the estimation of population for SCO/shops by revising the total covered area of the floors (except ground floor).
4. The Project Proponent shall submit the revised details pertaining to water balance for all three seasons and green area proposed to be developed for utilization of the treated wastewater.
5. The Project Proponent shall allocate up to 1% of the total project cost on the following CER activities:
 - a) Development of Mini Forests (Nanak Bagichi), raising of Avenue Plantations and Plantations in public/community areas.
 - b) Rejuvenation of Village Ponds.
 - c) Development of Infrastructure for utilization of treated effluent of STPs.
 - d) Provision of solar panels in the Government / Municipal / other public schools, hospitals and Dispensaries, etc.

- e) Rainwater harvesting in Public Buildings.
 - f) Alternatives to Single Use Plastic.
 - g) Solid waste Management
 - h) Other activities relating to amelioration of Air, Water and Soil pollution as prescribed in the applicable District Environment Plan (DEP).
 - i) Activities as proposed by the Project Proponent / their accredited consultants for the amelioration of Air, Water, and Soil pollution on the basis of field surveys and approved by SEIAA / SEAC.
6. The Project Proponent shall earmark dedicated area on the layout plan for solid waste management.
 7. The Project Proponent shall clearly mark the 572 trees to be planted and the trees to be planted for Karnal Technology in the conceptual plan.

2.0 Deliberations during 238th meeting of SEAC held on 06.02.2023.

The meeting was attended by the following:

- (i) Sh. A.S Rathore, AGM M/s Jubilee Joy Homes LLP.
- (ii) Sh. Deepak Gupta, Environmental Advisor.
- (iii) Sh. Sandeep Singh, Environmental Consultant, M/s. Chandigarh Pollution Testing Laboratory.

SEAC allowed the Environmental Consultant of the Promoter Company to present the reply before the Committee as under:

Sr. No	Observations	Reply						
1	The Project Proponent shall submit the NOC for access road to the project under the provision of the Forest Conservation Act, 1980	Applied for the same. A copy of the complete set of documents submitted to DFO for obtaining permission under Forest Conservation Act 1980 submitted.						
2	<p>The Project Proponent shall submit the revised details of the population by revising the population for studio apartments @ 2 person/studio apartment</p> <p>Revised calculation of population and water balance is submitted. The details are as under:</p> <table border="1" data-bbox="272 1767 1401 1942"> <tr> <td data-bbox="272 1767 716 1816">Commercial</td> <td data-bbox="716 1767 1166 1816"></td> <td data-bbox="1166 1767 1401 1816"></td> </tr> <tr> <td data-bbox="272 1816 716 1942">Total built up area of Ground, floor is 9783 sqm</td> <td data-bbox="716 1816 1166 1942">Population on the floors @1 person / 3 sqm 9783/3</td> <td data-bbox="1166 1816 1401 1942">3261 persons</td> </tr> </table>	Commercial			Total built up area of Ground, floor is 9783 sqm	Population on the floors @1 person / 3 sqm 9783/3	3261 persons	
Commercial								
Total built up area of Ground, floor is 9783 sqm	Population on the floors @1 person / 3 sqm 9783/3	3261 persons						

	Total built up area on rest of the floors 14144 sqm	Population on the floors @1 person / 6 sqm 14144/6	2357 persons			
	Total population		5618 persons			
	Floating population @ 90 % of the total population		5056 Persons			
	Permanent population @ 10 of the total population Approximately		562 persons			
	No. of permanent population	562 persons @45 lit/day	25 M ³ /day			
	Floating population	5056 persons @15 lit/day	76 M ³ /day			
	Total consumption of water Commercial		101 M ³ /day			
	Service apartments 500 No@2 person/ apartment	1000 persons @135 ltr/day	135 M ³ /day			
	Total Domestic water required		236 M ³ /day			
	Total Discharge @ 80% to STP		189 M ³ /day			
	Flushing Commercial Flushing service apartments	562 persons @20 lit/day 5056 persons @10 lit/day 1000 Persons@45 lit/day	11 M ³ /day 51 M ³ /day 45 M ³ /day			
3	The Project Proponent shall revise the estimation of population for SCO/shops by revising the total covered area of the floors (except ground floor).		Revised calculation of population and water balance is submitted.			
4	The Project Proponent shall submit the revised details pertaining to water balance for all three seasons and green area proposed to be developed for utilization of the treated wastewater					
	Sr. No.	Total water Requirement	Total wastewater generated	Treated wastewater	Flushing water requirement	Green area of 1 acre as per karnal technology
	1.	236 KLD	189 KLD	189 KLD	107 KLD	Summer: 82 KLD Winter: 82 KLD Monsoon: 82 KLD

5	The Project Proponent shall allocate up to 1% of the total project cost on the following CER activities: a) Development of Mini Forests (Nanak Bagchi), raising of Avenue Plantations and Plantations in public/community areas. b) Rejuvenation of Village Ponds. c) Development of Infrastructure for utilization of treated effluent of STPs. d) Provision of solar panels in the Government / Municipal / other public schools, hospitals and Dispensaries, etc. e) Rainwater harvesting in Public Buildings. f) Alternatives to Single Use Plastic. g) Solid waste Management h) Other activities relating to amelioration of Air, Water and Soil pollution as prescribed in the applicable District Environment Plan (DEP). i) Activities as proposed by the Project Proponent / their accredited consultants for the amelioration of Air, Water, and Soil pollution on the basis of field surveys and approved by SEIAA / SEAC	Sr. No.	Activities	Cost (Rs in Lacs)	Date of completion
		1.	40000 No Distribution of alternatives/ Substitute to plastic (Jute Bags/ Cloth bags etc) Through PPCB	60.00	Will be started after 6 months and complete the same within 3 years
		2.	Mechanical Composter Mohali MC	55.00	Within 2 Year
			Total	115.00	
6	The Project Proponent shall earmark dedicated area on the layout plan for solid waste management	Already marked on the site plan submitted.			
7	The Project Proponent shall clearly mark the 572 trees to be planted and the trees to be planted for Karnal Technology in the conceptual plan	1 acre of land for plantation as per karnal technology shall be developed for disposal of treated wastewater and 572 trees shall be provided within the project.			

The Committee checked the status of application through Parivesh Portal for obtaining permission for access road to the project under the provisions of Forest Conservation Act 1980 and observed that the project proponent has submitted application for the same.

Further, the Committee observed that Punjab Pollution Control Board vide letter no. 82 dated 03.01.2023 has intimated that GMADA has not laid sewer in the area. Further, the project proponent has not submitted any alternate scheme for the disposal of treated effluent.”

The Project Proponent apprised the Committee that the excess treated wastewater generated in all three seasons shall be 82 KLD, which will be discharged into the land area of 1 acre to be developed as per the Karnal Technology. The Committee observed that it is not advisable to allow Karnal Technology for such type of projects.

In view of above, the Committee decided that SEIAA may be requested to take up the matter with the concerned authorities such as Local Govt./GMADA/PPCB as to what action should be taken in such type of cases where the development authorities such as GMADA has not laid sewer in the area and Karnal Technology is proposed by Project Proponent as alternative mode of disposal of excess treated sewage. After detailed deliberations, SEAC decided to defer the case till SEIAA give advice to deal/appraise such type of projects.

SEAC vide letter no. SEAC/DECC/2023/406 dated 15.02.2023 requested SEIAA to take up the matter with the concerned authorities such as Local Govt./GMADA/PPCB as to what action should be taken in such type of cases where the development authorities such as GMADA has not laid sewer in the area and Karnal Technology is proposed by Project Proponent as alternative mode of disposal of excess treated sewage.

SEIAA vide letter No. 504 dated 27.03.2023 informed that the matter was considered in the 239th meeting of SEIAA held on 01.03.2023, wherein it was decided that the case be referred back to the SEAC for re-examination and giving clear recommendations for either grant or refusal of the Environmental Clearance. The relevant portion of the extract of the proceedings of 239th meeting of SEIAA is reproduced as under:

Deliberations during 239th meeting of SEIAA held on 01.03.2023

The case was considered by SEIAA in its 239th meeting held on 01.03.2023 which was attended by the following:

- (i) Sh. A.S. Rathore, AGM and Sh. Deepak Gupta, Environmental Advisor of the project proponent.
- (ii) Er. S.S Matharu, Sh. Sital Singh and Sh. Sandeep Singh, Environmental Consultant, M/s. Chandigarh Pollution Testing Laboratory.

SEIAA noted that SEAC vide letter no. 406 dated 15.02.2023 has requested SEIAA to “*take up the matter with the concerned authorities such as Local Govt./GMADA/ PPCB as to what action should be taken in such type of cases where the development authorities such as GMADA have not laid sewer in the area and Karnal Technology is proposed by project Proponent as alternative mode of disposal of excess treated sewage*”. In this regard, SEIAA observed that the action to be taken in such category of cases is to be determined by SEIAA after taking into consideration the recommendations of SEAC. The Local Government / GMADA /PPCB etc cannot be asked to advise the Authority constituted by the MOEF&CC regarding action to be taken in such matters since the decision in this regard is the mandate of the Authority.

SEIAA further observed that SEAC has recorded in the proceedings of its meeting that it is not advisable to allow Karnal Technology for such type of projects.

In this regard SEIAA examined the proceedings of the 13th joint meeting of SEIAA/SEAC held on 25.04.2022, wherein the matter of utilization of treated wastewater onto land for plantation as per Karnal Technology methodology was deliberated upon and a decision was taken by the joint committee as under:

“In case of absence of MC sewer, no case shall be granted Environmental Clearance in which the project proponent proposes to develop plantation as Karnal Technology on land taken on lease by the project proponent which is outside the project site. In all cases where the adoption of Karnal Technology method is to be used for disposal of wastewater (either due to absence of MC sewer or due to its present inadequate capacity), the project proponent be asked to develop plantation within the project site as per the Karnal Technology.”

SEIAA observed that SEAC has not recorded any deliberations undertaken by it in respect of the above-mentioned decision taken in the joint meeting of SEIAA/SEAC as per which Karnal Technology has been permitted as a means of disposal of treated wastewater subject to the condition that it is done within the project area. SEAC has also not made any alternate suggestion for disposal of the treated wastewater if Karnal Technology model is not considered to be suitable.

SEIAA further observed that as per the decision taken in the 13th Joint Meeting, conditional ECs have even recently been granted to several projects on the basis of recommendations made by SEAC in which sewer was not available or terminal STP was of inadequate capacity. In several such projects the quantity of wastewater was significantly higher than in the instant case whereas in some other projects alternate mode of disposal of the treated wastewater was not even provided.

SEIAA also noted that the project involves diversion of forest land and that SEAC has forwarded the proposal with the observation that the project proponent has applied for obtaining permission for access road to the project under the provisions of Forest Conservation Act, 1980 and that this fact had been verified from the Parivesh Portal. However, it was relevant to note that the requisite Stage 1 clearance under the FCA, 1980 has not been granted to the project by the MOEF&CC till date. In the absence of said Stage 1 clearance, EC cannot be granted to the project. SEIAA further observed that the matter was deliberated upon in the 14th joint meeting of SEIAA/SEAC held on 13.07.2022 wherein it was decided as under:

1) As per prevalent practice, in case forest land is involved in the project or approach road of the project, the applicant be required to submit a copy of the application filed for diversion of Forest Land with the concerned DFO for Stage 1 clearance under the FCA,1980. Applications will thereafter be processed for Grant of TOR / EC. However, the final EC will not be issued till the Stage 1 approval for diversion of forest land has been granted by the MoEF&CC."

SEIAA therefore, decided that the case be referred back to the SEAC. Being the statutory expert body, SEAC may be advised to give clear recommendations either for the grant or refusal of EC. The recommendations should be in conformity with the decisions taken in the joint meetings of SEIAA and SEAC and should be consistent in respect of cases of similar nature and facts.

Deliberations during 243rd meeting of SEAC held on 03.04.2023

The case was attended by the following:

- (i) Sh. A.S. Rathore, AGM and Sh. Deepak Gupta, Environmental Advisor of the project proponent.
- (ii) Sh. Sital Singh, Environmental Consultant M/s CPTL.

During meeting, the Committee perused the SEIAA letter No. 504 dated 27.03.2023, vide which SEIAA referred back the case to SEAC for re-examination and giving clear cut recommendation for either grant or refusal of Environmental Clearance.

The Committee observed that Punjab Pollution Control Board vide letter No. 82 dated 03.01.2023 had specifically informed that GMADA has not laid down sewer in the area and the Project Proponent has not submitted any alternate scheme for the disposal of treated effluent.

The Committee further observed that the Project Proponent has proposed to utilize its excess treated wastewater in the land area of 1 acre proposed to be developed as per Karnal Technology.

The Committee also perused the decision of the 13th Joint meeting of SEIAA & SEAC, wherein the matter of utilization of treated wastewater onto land for plantation as per Karnal Technology methodology was deliberated upon and a decision was taken by the joint committee as under:

“In case of absence of MC sewer, no case shall be granted Environmental Clearance in which the project proponent proposes to develop plantation as Karnal Technology on land taken on lease by the project proponent which is outside the project site. In all cases where the adoption of Karnal Technology method is to be used for disposal of wastewater (either due to absence of MC sewer or due to its present inadequate capacity), the project proponent be asked to develop plantation within the project site as per the Karnal Technology.”

The Committee observed that to check the effectiveness of “Karnal Technology”, Sh. P.S Bhogal, Member, SEAC was asked to visit the site where Karnal Technology has been adopted on 1.75 acres of land within the project site. Sh. P.S Bhogal after visiting the site has reported that the Karnal Technology may be considered only in small and isolated projects as a stop gap arrangement for a limited duration in exceptional cases. The excess treated effluent from the project round the clock cannot be safely absorbed for irrigation of plantation since irrigation requirement is never round the clock during 365 days in a year.

In the light of above observations of SEIAA and site visit report of Member SEAC, the Committee again deliberated in detail regarding adoption of Karnal Technology in big housing projects where high density of population is expected. The Committee was unanimously of the view that Karnal Technology inside the project area should not be adopted as an alternative method for disposal of treated wastewater on long term basis. However, the same may be considered for adoption as stop gap arrangement in case the GMADA informs in writing its plan to lay down sewer pipeline in the project area and about the capacity of its STP to take the effluent load from the project. GMADA should also indicate the timelines for providing sewer line and STP etc.

The Committee further observed that SEIAA has given reference to the 14th joint meeting of SEIAA/SEAC held on 13.07.2022 and stated that the project involves diversion of forest land and that SEAC has forwarded the proposal with the observation that the project proponent has applied for obtaining permission for access road to the project under the provisions of Forest Conservation Act, 1980 and that this fact had been verified from the Parivesh Portal. However, it was relevant to note that the requisite Stage 1 clearance under the FCA, 1980 has not been granted to the project by the MOEF&CC till date. In the absence of said Stage 1 clearance, EC cannot be granted to the project. The relevant decision of the 14th joint meeting of SEIAA/SEAC is as under:

As per prevalent practice, in case forest land is involved in the project or approach road of the project, the applicant be required to submit a copy of the application filed for diversion of Forest Land with the concerned DFO for Stage 1 clearance under the FCA,1980. Applications will thereafter be processed for Grant of TOR / EC. However, the final EC will not be issued till the Stage 1 approval for diversion of forest land has been granted by the MoEF&CC.”

SEAC observed that in accordance with the decision taken during the 14th Joint meeting of SEIAA and SEAC, the proposals for grant of TOR/EC can be processed after the proponent has applied for Stage-1 Clearance under Forest Conservation Act, 1980 in the cases where diversion of forest land is involved. In the spirit of this decision only, the cases have been appraised and recommended after satisfying that the proponent has applied for Stage-1 clearance under

Forest Conservation Act, 1980. Since the decision to Grant EC is within the jurisdiction of SEIAA, Environmental Clearance may be issued by SEIAA only after the production of the approval of Stage-1 clearance under FCA 1980, by the project proponent.

In view of above, the Committee decided to defer the case till the Project Proponent submit the following:

- (i) Letter from the Competent Authority of GMADA mentioning the timelines for laying of sewer lines in the project area and the capacity of its STP to take effluent load of the project.
- (ii) Documents pertaining to Stage 1 Clearance obtained under the provision of Forest Conservation Act, 1980.

Deliberations during 246th meeting of SEAC held on 02.05.2023.

The meeting was attended by the following:

- (i) Sh. Sandeep Kumar, Manager M/s Jubilee Joy Homes LLP.
- (ii) Sh. Deepak Gupta, Environmental Advisor.
- (iii) Sh. Sital Singh, Environmental Consultant, M/s. Chandigarh Pollution Testing Laboratory.

SEAC allowed the Environmental Consultant of the Promoter Company to present the reply before the Committee. Thereafter, Environmental consultant presented the reply as under:

Sr. No.	Observations	Reply
1.	Letter from the Competent Authority of GMADA mentioning the timelines for laying of sewer lines in the project area and the capacity of its STP to take effluent load of the project.	Letter is not available but we propose to use the treated wastewater left after flushing i.e 82 KLD. (i) We will use the treated wastewater for Karnal Technology in an area of 1 acre. (ii) We will use the treated wastewater for construction purpose. (iii) We will use treated wastewater for sprinkling on the landran Kharar road for dust suppression.

2.	Documents pertaining to Stage 1 Clearance obtained under the provision of Forest Conservation Act, 1980.	The Project Proponent had applied for the same.
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During meeting, the Committee observed that the reply given by the Project Proponent is not satisfactory. Further, the Project Proponent has not submitted the documents pertaining to the Stage 1 Clearance under the provision of Forest Conservation Act, 1980.

After detailed deliberations, SEAC decided to defer the case till the receipt of suitable reply of the observations already conveyed to the Project Proponent in the 243rd meeting held on 3.04.2023.

Deliberations during 256th meeting of SEAC held on 21.08.2023.

The meeting was attended by the following:

- i) Sh. A.S Rathore, AGM M/s Jubilee Joy Homes LLP.
- ii) Sh. Deepak Gupta, Environmental Advisor.
- iii) Sh. Sital Singh, Environmental Consultant, M/s. Chandigarh Pollution Testing Laboratory.

SEAC allowed the Environmental Consultant of the Promoter Company to present the reply before the Committee as under:

Sr. No	Observations	Reply
1	Letter from the Competent Authority of GMADA mentioning the timelines for laying of sewer lines in the project area and the capacity of its STP to take effluent load of the project.	Letter is not available but the Project Proponent propose to use the treated waste water left after flushing i.e 82 KLD. 1. For karnal technology in an area of 1 acre. 2 For construction purposes. 3.For sprinkling on the landran Kharar road for dust suppression
2	Documents pertaining to Stage 1 Clearance obtained under the provision of Forest Conservation Act, 1980.	We have applied for the same.

During meeting, the Committee perused the reply of the observation raised at point No. 1 and observed that Project Proponent has proposed to utilize the excess treated wastewater of 82 KLD in the green area of 1 acre falling adjoining to the project, which shall be developed as per Karnal Technology. In this regard, the Committee asked the Project Proponent to utilize the maximum quantity of the excess treated wastewater under Karnal Technology in the adjoining land before utilizing the same in green area of 2818 sqm proposed to be developed within the project premises. The Project Proponent agreed to the same and submitted the revised proposal for utilization of the treated wastewater of the project as under:

Sr. No.	Season	Total treated wastewater in KLD	Treated wastewater for flushing in KLD	Treated wastewater for green area within the project premises in KLD	Excess treated wastewater utilized in land area under Karnal Technology in KLD
1.	Summer	189	107	14	68
2.	Winter	189	107	5	77
3.	Rainy	189	107	1	81

The Project Proponent submitted land ownership document of the land area of 1 acre proposed to be developed under Karnal Technology adjoining to the project site. The Project Proponent also submitted an affidavit to the effect that the land area of 1 acre shall not be utilized for any other purpose except Karnal Technology till outlet of the project is connected with main sewer line of the city. The Committee was satisfied with the proposal and took the above documents on record.

The Committee further asked the Project Proponent to submit the details of plantation such as area of plantation, height of the trees to be planted, tree species etc., by earmarking the same on the layout plan. The Project Proponent submitted the same.

Regarding obtaining Stage-1 Forest Clearance, the Project Proponent apprised the Committee that such clearance is not required at this stage in view of The Forest (Conservation) Amendment Act, 2023. The Committee noted the same.

The Committee was satisfied with the reply given by the Project Proponent and after detailed deliberations, the Committee decided to award '**Silver Grading**' to the project proposal

and decided to forward the application of the project proponent to SEIAA with the recommendation to grant Environmental Clearance for the establishment of commercial Project namely “Jubilee Westgrove” at Village Bairampur, SAS Nagar, Punjab by M/s Jubilee Joy Homes LLP, subject to the following standard 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 freshwater use shall not exceed the proposed requirement as mentioned in the application proposal.
- v) 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.
- vi) 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.
- vii) The project proponent shall ensure a safe drinking water supply to the habitants. Adequate treatment facility for drinking water shall be provided, if required.
- viii) 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.
- ix) 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.
- x) 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.
- xi) Dual pipe plumbing shall be installed for supplying fresh water for drinking, cooking and bathing, etc. and other for supply of recycled water for flushing, landscape irrigation, car washing, thermal cooling, air conditioning etc.
- xii) 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.
- xiii) 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.

- xiv) 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)	Storm water	Orange

- xv) Water demand during construction should be reduced by the use of pre-mixed concrete, curing agents, and adopting other best practices.
- xvi) 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. The groundwater shall not be withdrawn without approval from the Competent Authority.
- xvii) All recharge should be limited to shallow aquifers.
- xviii) 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.
- xix) 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.
- xx) 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.

- xxi) 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 storm water drain.
- xxii) No sewage or untreated effluent would be discharged through storm water 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.
- xxiii) Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odour problem from STP.
- xxiv) Sludge from the onsite sewage treatment, including septic tanks, shall be collected, conveyed and disposed of as per the Ministry of Urban Development, Central Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.

IV. Noise monitoring and prevention

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

V. Energy Conservation measures

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

VI. Waste Management

- i) A certificate from the competent authority handling municipal solid waste, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from the project shall be obtained.
- ii) The Project Proponent shall install Mechanical Composter of adequate capacity to treat wet component of the Solid Waste.
- iii) Disposal of muck during the construction phase should not create any adverse effect on the neighbouring communities and should be safely disposed of taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of the competent authority.
- iv) Separate wet and dry bins must be provided in each unit and at the ground level for facilitating the segregation of waste. Solid waste shall be segregated into wet garbage and inert materials.
- v) Organic waste compost/ Verme culture pit/ Organic Waste Converter/Mechanical Composter within the premises must be installed for treatment and disposal of the solid waste.

- vi) All non-biodegradable waste shall be handed over to authorized recyclers for which a written tie-up must be done with the authorized recyclers.
- vii) Any hazardous waste generated during the construction phase, shall be disposed of as per applicable rules and norms with the necessary approvals of the State Pollution Control Board.
- viii) Use of environment-friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction material quantity. These include Fly Ash bricks, hollow bricks, AACs, Fly Ash Lime Gypsum blocks, Compressed earth blocks, and other environmentally friendly materials.
- ix) Fly ash should be used as a building material in the construction as per the provision of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003 and 25th January, 2016. Ready-mixed concrete must be used in building construction.
- x) Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Rules, 2016.
- xi) Used CFLs and TFLs should be properly collected and disposed of or sent for recycling as per the prevailing guidelines/ rules of the regulatory authority to avoid mercury contamination.

VII. Green Cover

- i) No naturally growing tree should be felled/transplanted unless exigencies demand. Where absolutely necessary, tree felling shall be with prior permission from the concerned regulatory authority. Old trees should be retained based on girth and age regulations as may be prescribed by the Forest Department.
- ii) At least a single line plantation all around the boundary of the project as proposed shall be provided. The open spaces inside the plot should be suitably landscaped and covered with vegetation of indigenous species/variety. The project proponent shall ensure the planting of trees in the project area at the identified location, as per the 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 following activities under 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 year marked for Environmental Protection shall be kept in separate account and not to be diverted for any purposes. The project proponent shall spend the following amount towards the capital cost and recurring cost in the construction phase of the project:

COMPONENT	CAPITAL COST (INR LAKH)	RECURRING COST (INR LAKH/YR)
Sewage Treatment Plant	60.0	6.0
Rain Water Harvesting System	6.0	1.0
Solid Waste Management	15.0	8.0
Environmental Monitoring	---	12.80
Green Area/ Landscape Area	15.0	8.0
Total	96.0	35.80

CER Activities:

Sr. No.	Activities	Cost (Rs in Lacs)	Date of completion
1.	40000 No Distribution of alternatives/ Substitute to plastic (Jute Bags/ Cloth bags etc) Through PPCB	60.00	Will be started after 6 months and complete the same within 3 years
2.	Mechanical Composter Mohali MC	55.00	Within 2 Year
	Total	115.00	

XI. Validity

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

XII. Miscellaneous

- i) The project proponent shall obtain a completion and occupancy certificate from the Competent Authority and submit a copy of the same to the SEIAA, Punjab before allowing any occupancy.
- ii) The project proponent shall comply with the conditions of CLU, if obtained.
- iii) The project proponent shall prominently advertise in at least two local newspapers of the District or State, of which one shall be in the vernacular language within seven days

indicating that the project has been accorded environment clearance and the details of MoEF&CC/SEIAA website where it is displayed.

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

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

XIII. Additional Conditions

- i) The approval is based on the conceptual plan/drawings submitted with the application. In case, there is variation in built-up area/green area/ any other details in the drawings approved by the competent authority, the Project Proponent shall obtain the revised Environmental Clearance.
- ii) The Project Proponent shall ensure that the natural drainage channels in the project site including streams, drains, choes, creeks, rivulets, etc. are not disturbed so that the natural flow of rainwater, etc is not impeded or disrupted in any manner.
- iii) Authorization from Punjab Pollution Control Board shall be obtained as applicable under the Bio-Medical Waste Management Rules 2016 as amended from time to time.
- iv) The solid waste other than Bio-Medical Waste & Hazardous Waste (dry as well as wet garbage) generated should be properly collected and segregated before disposal to Municipal Authorities in accordance with the Municipal Solid Waste (Management & Handling) Rules, 2000. No municipal waste should be disposed off outside the premises in contravention of relevant rules and by-laws. Adequate measures should be taken to prevent any malodour in and around the Project premises.
- v) In the event that the project proponent decides to abandon/close the Project at any stage, he shall submit an application in the prescribed form along with requisite documents through Parivesh to SEIAA for surrendering the Environmental Clearance as per the procedure prescribed in OM dated 29.03.2022 issued by the MoEF&CC. The project proponent shall be accountable for adherence/compliance of the EC conditions till such time as the project is finally closed by SEIAA, based upon the certified closure report of Integrated Regional Offices (IROs) of MoEF&CC, Chandigarh/PPCB.
- vi) This Environmental Clearance is liable to be revoked without any further notice to the Project Proponent in case of failure to comply with condition (v) above.
- vii) Concealing factual data or submission of false/fabricated data may result in revocation of this Environmental Clearance and attract action under the provisions of Environment (Protection) Act, 1986.
- viii) The Project Proponent shall manage the solid waste generated from the project as per the sub-rule-7 of rule-4 of SWM Rules 2016.
- ix) The Ministry reserves the right to stipulate additional conditions if found necessary. The Promoter Company in a time bound manner shall implement these conditions.

- x) The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and other wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India/High Courts and any other Court of Law relating to the subject matter.
- xi) Any appeal against this Environmental Clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

2.0 Deliberations during 260th meeting of SEIAA held on 12.09.2023:

The case was considered by SEIAA in its 260th meeting held on 12.09.2023 which was attended by the following:

- i) Sh. A.S Rathore, AGM M/s Jubilee Joy Homes LLP.
- ii) Sh. Deepak Gupta, Environmental Advisor.
- iii) Sh. Sital Singh, Environmental Consultant, M/s. Chandigarh Pollution Testing Laboratory

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

To a query of SEIAA, the Project Proponent submitted the revised Environmental Management Plan as under:

Table-1

COMPONENT	CAPITAL COST (INR LAKH)	RECURRING COST (INR LAKH/YR)
Sewage Treatment Plant	60.0	6.0
Rain Water Harvesting System	6.0	1.0
Solid Waste Management	15.0	8.0
Environmental Monitoring	---	12.80
Green Area/ Landscape Area	15.0	8.0

Total	96.0	35.80
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SEIAA observed that the funds allocated for distribution of Jute/Cloth bags @ 60/- lakhs in the proposed Additional Environmental Activities are on higher side and need to be revised. To this, the Project Proponent submitted the revised Additional Environmental Activities (AEA) plan as under:

AEA Activities:

Sr. No.	Activities	Cost (Rs in Lacs)	Date of completion
1.	30000 No Distribution of alternatives/ Substitute to plastic (Jute Bags/ Cloth bags etc) through PPCB	45.00	Will be started after 6 months and complete the same within 18 months
2.	Mechanical Composter Mohali MC	55.00	Within 1 Year
3.	Greening Punjab Mission	15.00	Funds to be deposited in Treasury by 30.11.2023
	Total	115.00	

After detailed deliberations and examination of relevant documents, SEIAA decided to accept the recommendations of SEAC and grant Environmental Clearance for the establishment of commercial Project namely "Jubilee Westgrove" at Village Bairampur, SAS Nagar, Punjab by M/s Jubilee Joy Homes LLP, as per the details mentioned in the application and subsequent presentation /clarifications made by the project proponent and his consultant with proposed measures and subject to the conditions proposed by SEAC, and the following amended/additional condition as under:

Amended Condition no. iii) of the Environmental Management Plan

1. An action plan for implementing following activities under 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 year marked for Environmental Protection shall be kept in separate account and not to be diverted for any

purposes. The project proponent shall spend the following amount towards the capital cost and recurring cost in the construction phase of the project:

Table-1

COMPONENT	CAPITAL COST (INR LAKH)	RECURRING COST (INR LAKH/YR)
Sewage Treatment Plant	60.0	6.0
Rain Water Harvesting System	6.0	1.0
Solid Waste Management	15.0	8.0
Environmental Monitoring	---	12.80
Green Area/ Landscape Area	15.0	8.0
Total	96.0	35.80

***AEA Activities:**

Sr. No.	Activities	Cost (Rs in Lacs)	Date of completion
1.	30000 No Distribution of alternatives/ Substitute to plastic (Jute Bags/ Cloth bags etc) through PPCB	45.00	Will be started after 6 months and completed within 18 months
2.	Mechanical Composter Mohali MC	55.00	Within 1 Year
3.	Greening Punjab Mission	15.00	Funds to be deposited in Treasury by 30.11.2024 or before start of the project whichever is earlier
	Total	115.00	

Additional Conditions

- 1) The project proponent shall undertake EMP (including Additional Environment Activities) as per Table-1 above. Towards this end, the PP will deposit Rs 15.00/- Lakhs in the Government treasury through the DFO SAS Nagar by 30.11.2024 or before start of

the project whichever is earlier under the budget head of Greening Punjab Mission as under:

Demand No.	32- Forestry and Wildlife
Major Head	0406-Forestry and Wildlife
Sub Major Head	01- Forestry
Minor Head	102- Receipts from Social and Farm Forestry
Sub Head	03- Green Punjab Mission
Detailed Head	01-Green Punjab Mission Fees

- 2) The project proponent shall not disturb the alignment of the Lakhnaur Drain passing through the project site and provide plantation on both sides of the banks of the drain within the project area.
- 3) The PP will commence the tree plantation work within the project premises at the earliest and complete the same within 1 year. Eight feet (8 ft) tall plants of indigenous species should be used for plantation.

Item No. 260.03: Application for Environmental Clearance for carrying out mining of minor minerals (sand) at Village Khanwal, Tehsil Ajnala , District Amritsar, Punjab., by Executive Engineer cum District Mining Officer, Drainage-cum-Mining & Geology Division, Water Resources Department, Amritsar. (Proposal No. SIA/PB/MIN/440296/2023).

The Executive Engineer cum District Mining Officer, Drainage-cum-Mining & Geology Division, Water Resources Department, Amritsar Division has applied for obtaining Environmental Clearance under category B2 and 1(a) of the Schedule appended with the EIA notification dated 14.09.2006 for carrying out mining of minor minerals (sand) in an area of 1.60 Ha at Village Khanwal **(Agriculture Site & PMS)**, Tehsil Ajnala, District Amritsar, Punjab.

The Department has deposited requisite fee of Rs. 3200/- paid online for obtaining Environmental Clearance for carrying out mining in the above mining site. The adequacy & deposition of the requisite fee by the applicant has been checked & verified by the supporting staff of SEIAA. The Mining Plan was approved by Assistant Geologist, Punjab vide Letter No. Glg/Pb/M.P./khanwal/1907 dated 07.07.2023.

Deliberations during 257th meeting of SEAC held on 28.08.2023.

The meeting was attended by the following:

- (i) Mr. Paras Mahajan, Asst. Geologist.
- (ii) Sh. Gurbir Singh, DMO, Amritsar.
- (iii) Sh. Gurmeet Singh, SDO, Amritsar, Department of Mines & Geology.
- (iv) Mr. Arshad Shaik, Senior Executive Technical M/s Right Source Industrial Solutions PvtLtd.


The Committee allowed the Environmental Consultant to present the salient features of the application proposal. Thereafter, the Environmental Consultant presented the case as under:

i)	Name of Applicant & Correspondence address: Mobile No: Email ID:	Gurbir Singh, Executive Engineer- cum- District Mining Officer Amritsar, Punjab 9464918920 ee.miningasr@punjab.gov.in
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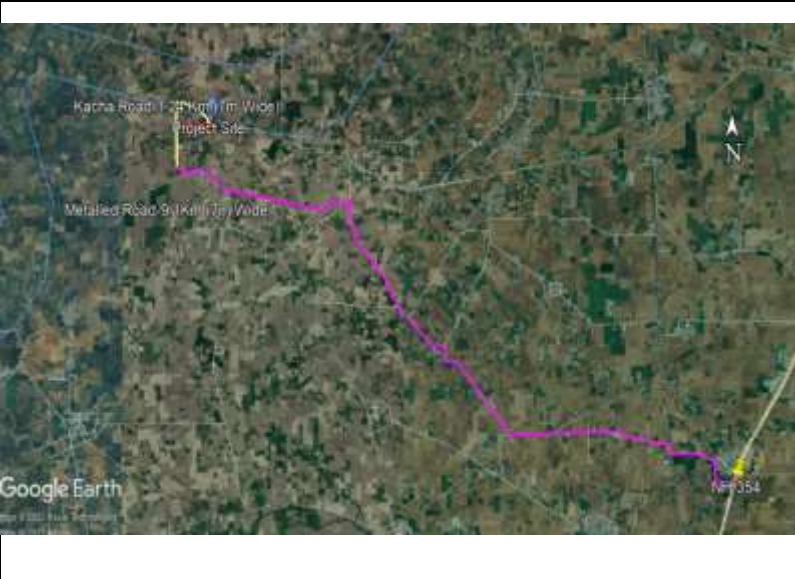
ii)	Name of Environmental Consultant Mobile No. Email ID	Right Source Industrial Solutions Pvt. Ltd 8977495343 eiaemp@rightsource.co.in
iii)	Online Proposal No.	SIA/PB/MIN/440296/2023
iv)	Project Name & Location	Khanwal Sand Mining Project Village: Khanwal Tehsil- Ajnala District- Amritsar, State Punjab
v)	Project/activity covered under item of scheduled to the EIA Notification,14.09.2006	1(a) Mining of Minor Minerals

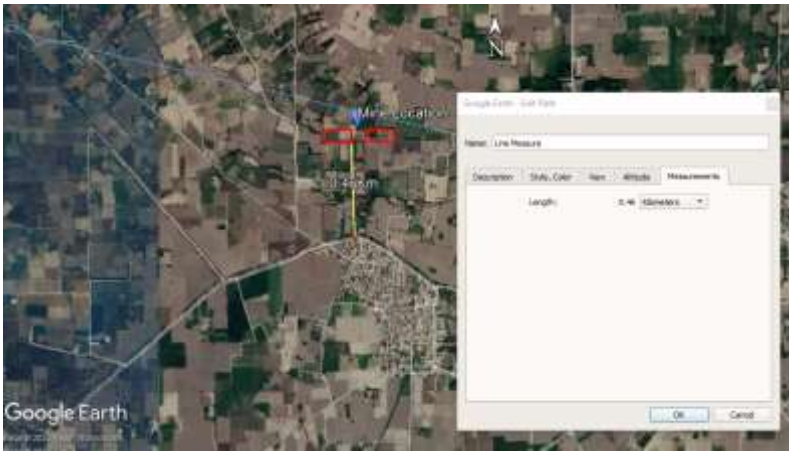
Basic Details of the Case:

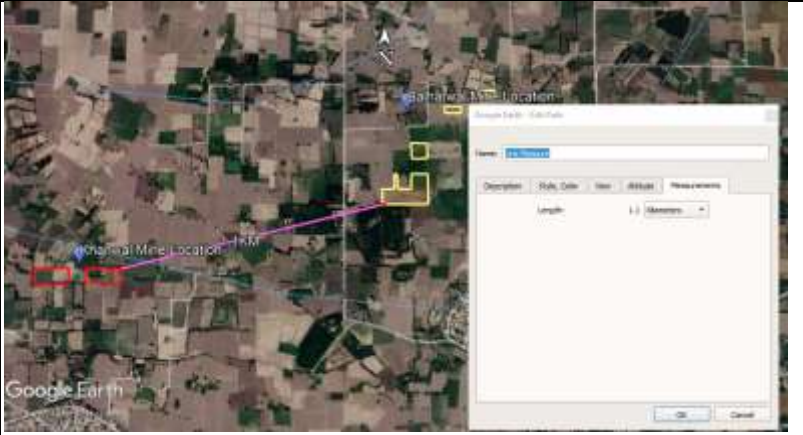
S.No	Item	Details			
i.	Category of the Project as per the EIA notification dated 14.09.2006	B2			
ii.	Hadbast No. of the Village	43			
iii.	Details of Khasra No. as under:				
	Khasra No. as per proposal	Khasra No. as per DSR	Khasra No. as per consent of land	Name of owner of the land as per land NOC, DSR and Jamabandi	
	20//13, 20//14, 21//11, 21//12	20//4, 20//13, 20//14, 21//11, 21//12	20//13, 20//14, 20//15, 21//11, 21//12	Amar Singh, S/o Kartar Singh	
iv.	Whether the mining area is less than area mentioned in the DSR, (If yes) the proposed mining area shall be earmarked in the KML file with different color.	As per DSR, Khanwal Mining area is 1.92 Hect. As per Proposal, Khanwal Mining area is 1.60 Hect.			

																																
v.	<p>Area & Quantity details as per Mining plan and proposal</p> <p>Area and permissible quantity details as per DSR</p>	<p>1.60 Ha and 38,419.2 MT (As per Proposal)</p> <p>1.92 Ha and 46,103.04 MT (As per DSR)</p>																														
vi.	Details as per Mining plan	<p>Approved by: Assistant Geologist, Punjab bearing Letter no Glg/Pb/M.P/khanwal/1907.</p> <p>Date of Approval: 07.07.2023</p> <p>Approved Mining Lease Area: 1.60 Ha.</p> <p>Approved Mining Quantity:38419.2 MT</p>																														
vii.	Longitude & Latitude of the mining site.	<table border="1" data-bbox="715 1256 1305 1653"> <thead> <tr> <th colspan="3">Geo-Coordinates of the Lease Area</th> </tr> <tr> <th>Pillar No.</th> <th>Latitude</th> <th>Longitude</th> </tr> </thead> <tbody> <tr> <td>A1</td> <td>31°54'8.20"N</td> <td>74°41'38.67" E</td> </tr> <tr> <td>A2</td> <td>31°54'10.12"N</td> <td>74°41'38.67"E</td> </tr> <tr> <td>A3</td> <td>31°54'10.18"N</td> <td>74°41'43.75"E</td> </tr> <tr> <td>A4</td> <td>31°54'8.22"N</td> <td>74°41'43.77"E</td> </tr> <tr> <td>B1</td> <td>31°54'8.25"N</td> <td>74°41'46.34"E</td> </tr> <tr> <td>B2</td> <td>31°54'10.17"N</td> <td>74°41'46.34" E</td> </tr> <tr> <td>B3</td> <td>31°54'10.18"N</td> <td>74°41'51.42"E</td> </tr> <tr> <td>B4</td> <td>31°54'8.25"N</td> <td>74°41'51.42"E</td> </tr> </tbody> </table>	Geo-Coordinates of the Lease Area			Pillar No.	Latitude	Longitude	A1	31°54'8.20"N	74°41'38.67" E	A2	31°54'10.12"N	74°41'38.67"E	A3	31°54'10.18"N	74°41'43.75"E	A4	31°54'8.22"N	74°41'43.77"E	B1	31°54'8.25"N	74°41'46.34"E	B2	31°54'10.17"N	74°41'46.34" E	B3	31°54'10.18"N	74°41'51.42"E	B4	31°54'8.25"N	74°41'51.42"E
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B4	31°54'8.25"N	74°41'51.42"E																														
viii.	Details of cluster formation	An undertaking has been submitted by the Project Proponent stating that there is no cluster formation within 500m of the proposed mining site.																														
ix.	Affidavit from the land owner giving consent for carrying	Land NOC for the proposed mining site has been obtained from the respective land owners.																														

	out mining. (In case of Pvt land)	
x.	Whether demarcation/erection of boundary pillars on the site has been done.	Demarcation report has been submitted.
xi.	Status of clearance under Forest Conservation Act, 1980, Wildlife Protection Act 1972 as the case may be	In the Sub divisional Committee Report included in the approved DSR, Divisional Forest Officer, Department of Forests and Wildlife Prevention Punjab specified that the land of the above said sand mining site is <u>neither included in Areas notified u/s 4 & 5 of PLPA Act, 1900 nor in Areas falling in the Eco-Sensitive Zones of Wildlife Sanctuary & Conservation Reserves cover under Wildlife Protection Act, 1972 and Punjab Wildlife Preservation Act, 1959. This land of above said sand mining site is not forest land and there is no objection in this regard.</u>
xii.	Salient features of approved mining plans.	Approved by: Assistant Geologist, Punjab bearing Letter no Glg/Pb/M.P/khanwal/1907. Date of Approval: 07.07.2023 Approved Mining Lease Area: 1.60 Ha. Approved Mining Quantity:38419.2 MT (19209.6 TPA)
xiii.	Method of mining.	Opencast Semi-mechanized
xiv.	No. of workers on the site when fully operational.	20
xv.	Total water requirement for domestic and other usage and its source.	Domestic: 1.10 KLD Dust Suppression: 0.50 KLD Green Belt: 1.00 KLD Total: 2.60 KLD
xvi.	Waste water generation and its disposal	Mobile toilet with Septic tank followed by Soak pit.
xvii.	Information regarding nos. of truck/trolleys per day for carrying the excavated material on the proforma prescribed in the DSR and map	Transportation of sand from mine will be done by dumpers having carriage capacity of appx. 20 tonnes or as per availability of trucks and trolleys. Transportation route map submitted

	<p>showing the transportation route with proper earmarking of katcha, pakka road and ROW.</p>																																				
viii.	<p>Activities to be undertaken under EMP along with its cost.</p>	<table border="1"> <thead> <tr> <th data-bbox="608 779 708 938">Sr. No.</th> <th data-bbox="708 779 1038 938">Environment mitigation measure</th> <th data-bbox="1038 779 1203 938">Capital Cost (In Lacs)</th> <th data-bbox="1203 779 1415 938">Recurring Cost (Lacs/ annum)</th> </tr> </thead> <tbody> <tr> <td data-bbox="608 938 708 1057">1.</td> <td data-bbox="708 938 1038 1057">Env. Monitoring for Air, Water, Noise & Soil</td> <td data-bbox="1038 938 1203 1057">-</td> <td data-bbox="1203 938 1415 1057">1.00</td> </tr> <tr> <td data-bbox="608 1057 708 1279">2.</td> <td data-bbox="708 1057 1038 1279">Haul Road Maintenance including water sprinkling on road for dust suppression</td> <td data-bbox="1038 1057 1203 1279">-</td> <td data-bbox="1203 1057 1415 1279">0.50</td> </tr> <tr> <td data-bbox="608 1279 708 1675">3.</td> <td data-bbox="708 1279 1038 1675">Greenbelt development Plantation of 80 saplings (1.60 ha mining lease area @50 plants/ha and Rs 1000 per sapling for plantation + Rs 1000/ sapling for maintenance)</td> <td data-bbox="1038 1279 1203 1675">5.87</td> <td data-bbox="1203 1279 1415 1675">2.93</td> </tr> <tr> <td data-bbox="608 1675 708 1715">4.</td> <td data-bbox="708 1675 1038 1715">Mobile Toilet</td> <td data-bbox="1038 1675 1203 1715">0.4</td> <td data-bbox="1203 1675 1415 1715">-</td> </tr> <tr> <td data-bbox="608 1715 708 1756">5.</td> <td data-bbox="708 1715 1038 1756">Tarpaulin Cover</td> <td data-bbox="1038 1715 1203 1756">0.3</td> <td data-bbox="1203 1715 1415 1756">-</td> </tr> <tr> <td data-bbox="608 1756 708 1865">6.</td> <td data-bbox="708 1756 1038 1865">Safety Shoe, Dust Masks, Ear Plugs</td> <td data-bbox="1038 1756 1203 1865">0.7</td> <td data-bbox="1203 1756 1415 1865">-</td> </tr> <tr> <td data-bbox="608 1865 708 1910">7.</td> <td data-bbox="708 1865 1038 1910">First Aid Kit</td> <td data-bbox="1038 1865 1203 1910">0.5</td> <td data-bbox="1203 1865 1415 1910">-</td> </tr> </tbody> </table>	Sr. No.	Environment mitigation measure	Capital Cost (In Lacs)	Recurring Cost (Lacs/ annum)	1.	Env. Monitoring for Air, Water, Noise & Soil	-	1.00	2.	Haul Road Maintenance including water sprinkling on road for dust suppression	-	0.50	3.	Greenbelt development Plantation of 80 saplings (1.60 ha mining lease area @50 plants/ha and Rs 1000 per sapling for plantation + Rs 1000/ sapling for maintenance)	5.87	2.93	4.	Mobile Toilet	0.4	-	5.	Tarpaulin Cover	0.3	-	6.	Safety Shoe, Dust Masks, Ear Plugs	0.7	-	7.	First Aid Kit	0.5	-			
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7.	First Aid Kit	0.5	-																																		

		8.	Man Power cost for environmental cell	0.5	-
		Total		8.27	4.43
xix.	Whether any Litigation is pending against the proposed mining site, if yes the details, thereof, be provided.	Self-Declaration certifying that No litigation is pending against the proposed mining site has been submitted by the Project Proponent.			
xx.	The Department shall provide details pertaining to No. of trees, if any, to be felled for carrying out mining activity.	No trees would be felled during mining activity			
xxi.	The Department shall earmark, on the KML file, the distance from the habitation area from sand mining site. The Department shall certify that the same is in consonance with the existing guidelines allowing the Department for carrying out the mining near the habitation area.	<p>Khanwal is the nearest village at a distance of 0.46Km towards South direction.</p> 			
xxii.	The Department shall earmark, on the KML file, the distance from the minor/major bridges up to the nearest boundary of sand mining site.	<p>The sand mine falls in agricultural land, so that there is no nearest rail or road bridge over the concerned River, Rivulet, Nala etc. No such facility within the 10km Radius.</p>			
xxiii.	In case, the proposed mining site does not include in a cluster, the	Balharwal Sand Mine is at a Distance of 1.1 Km towards ENE from the Khanwal Mine lease area.			

	<p>Department shall earmark on the KML file, the distance from the nearest mining site.</p>					
xxiv.	<p>The Department/ Project Proponent shall include in the EMP, the additional environmental activities to be undertaken by incurring expenditure @ Rs. 0.50/ton of the total quantity permitted for mining in ECs in case of manual mining and @ Rs. 1.50/ton in case of semi-mechanized mining. Any of the following additional environmental activities may be undertaken as a part of EMP:</p>	<p>S.No.</p>	<p>Proposed Activities</p>	<p>Capital Cost (inRs.)</p>		
		1	Solar Lamp distribution in nearby villages	40,000/-		
		2	Provide drinking water in nearby schools			
		3	Constructions of sitting benches in Village streets			
		4	Plantation of trees with tree guards			
		5	Distribution of wheel chairs for the handicapped students			
		6.	Additional Environment Activities (38,419.2 Tons @ Rs 1.5 per ton for Semi-Mechanized Mining	57,629/-		
			Total	97629		
xxv.	<p>Additional details as under:</p>					
<p>S.No.</p>		<p>Item</p>				
1.	<p>a. Capacity of Mine as per the EC application/DSR/Mining plan in MT and TPA</p>	<p>Description</p>	<p>As per the EC application</p>	<p>As per the approved DSR</p>	<p>As per the Mining Plan</p>	
		<p>Mine Capacity in MT</p>	<p>38419.2</p>	<p>76838.40</p>	<p>38419.2</p>	

	c. Depth of mining as per EC application/DSR/Mining plan	Mine Capacity in TPA	19209.6	--	19209.6
		Mining Area on mining in HA	1.60	1.92	1.60
		Depth of Mining in m	2.76	2.76	2.76
2.	Details of Final District Survey Report	Approved by :- SEIAA Reference No: 637 Date of Issue: 18.04.2023			
3.	Cost of the project	Not mentioned			
4.	Environment Management Plan along with Budgetary breakup and responsibility to implement	Submitted			

During meeting, the Project Proponent presented the KML file by superimposing the proposed site as per the application proposal and as approved in the DSR of District Amritsar. As per the said KML file, the proposed area of mining site measuring 1.60 Ha falls within the area of mining site approved in the DSR. The Committee noted the same.

The Committee further asked the Project Proponent that the amount allocated for the green belt development be deposited with Forest Department for utilization. The Project Proponent agreed to the same and submitted the revised EMP as under:

Sr. No.	EMP Budget Capital & Recurring	Capital Cost (INR)	Recurring Cost (INR)
1	Repairing of road for transport of mining material and its subsequent maintenances	10,000	5,000
2	Water Sprinkling Measures	10,000	5,000
3	Drinking water facility, Septic Tank & Mobile toilet and Solid Waste Management	20,000	5,000
4	Safety Shoes/Dust Masks/Ear Plugs/First aid kit.	10,000	4,000
	Additional Env. Activities		
1	(Green Belt Development Amount will be deposited to forest department for utilization for development of greenbelt)	32,016	16008
	Total	82016	35008

After detailed deliberations, SEAC decided to forward the application proposal to SEIAA with the recommendation to grant Environment Clearance under EIA Notification dated 14.09.2006 for carrying out mining of minor minerals (sand) in the area of 1.60 Ha for the quantity of 38,419.2 MT, which shall not exceed the quantity of 46,103.04 MT as per the approved DSR at Village Khanwal, Tehsil Ajnala, District Amritsar, Punjab subject to the conditions attached as Annexure-2.

Deliberations during 260th meeting of SEIAA held on 12.09.2023:

The case was considered by SEIAA in its 260th meeting held on 12.09.2023 which was attended by the following:

- i) Sh. Gurmeet Singh, SDO, Amritsar, Department of Mines & Geology.
- ii) Mr. Arshad Shaik, Senior Executive Technical M/s Right Source Industrial Solutions Pvt Ltd.

During the meeting, the Environmental Consultant presented the salient features of the project. On a query by SEIAA as to why semi-mechanized method of mining was being proposed when this was a “Public Mining Site” and as per the Mining Policy, 2023 of the state government only manual mining was permitted in such sites, the Project Proponent agreed that the case may be considered for approval for manual method of mining.

SEIAA observed that brief synopsis as per the new template and revised Environmental Management Plan (EMP) need to be submitted. Accordingly, the project proponent submitted the brief synopsis as per the new template which was taken on record.

The revised EMP and additional environmental activities to be carried out under the project and outlays for the same were thereafter discussed and finalized as under:

TABLE 1

Sr. No	Environment mitigation measure	Capital Cost (In Rs.)	Recurring Cost (Rs./annum)
1	Water Sprinkling Measures to be done on haul road to suppress dust & Haul Road and other Roads Repair and maintenance	10,000	5,000

2	Plantation and maintenance of 80 saplings through State Forest Department under Green Punjab Mission: Plantation cost = 80 saplings @Rs.1000 per sapling.	80000	80,000
3	Drinking water facility, Septic Tank & Mobile toilets and solid waste management	100000	5,000
4	Safety equipment's such as gloves, mask, helmet, First aid kit etc.	50,000	4,000
5	Additional Environmental activities (Rs. 0.5 per MT of Total quantity) (The amount may be deposited to Forest Department for utilization of the same for development of greenarea(s)/belt(s))	19210	-
6	Regular health check-up camps for the workers engaged in mines shall be organized.	10000	10,000
7	Environmental Monitoring (Air, Water Soil etc.).		30,000
Total		269,210	134,000

To a further query by SEIAA, the project proponent informed that all the conditions imposed by the SEAC while appraising the project were acceptable to him.

After detailed deliberations and examination of relevant documents, SEIAA decided to accept the recommendations of SEAC and grant Environmental Clearance for mining of minor minerals (Sand) at subject cited mining site for the total area of 1.60 Ha and total quantity of 38, 419 MT at Village Khanwal, Tehsil Ajnala & District Amritsar, Punjab as per the details mentioned in the application, approved mining plan, District Survey Report and other documents and subsequent clarifications made by the project proponent and his consultation, proposed measures and subject to the conditions proposed by SEAC and following additional conditions:

Additional Conditions:

- I. Only manual method of mining will be permitted.
- II. The project proponent shall implement the EMP as per Table 1 above.

- III. Enhancement in the total quantity can be approved by SEIAA only upon submission of credible replenishment study data.

Item No. 260.04: Application for Environmental Clearance for carrying out mining of minor minerals (sand) at Village Dollowal, Tehsil and District Roopnagar, Punjab, by Executive Engineer cum District Mining Officer, Drainage-cum-Mining & Geology Division, Water Resources Department, Roopnagar. (Proposal No. SIA/PB/MIN/427705/2023).

The Executive Engineer cum District Mining Officer, Drainage-cum-Mining & Geology Division, Water Resources Department, Roopnagar Division has applied for obtaining Environmental Clearance under category B2 and 1(a) of the Schedule appended with the EIA notification dated 14.09.2006 for carrying out mining of minor minerals (sand) in an area of 2.09 Ha at Village Dollowal (**Agricultural & CMS**) Tehsil & District Rupnagar, Punjab.

The Department has deposited requisite fee of Rs. 4,180/- paid online for obtaining Environmental Clearance for carrying out mining in the above mining site. The adequacy & deposition of the requisite fee by the applicant has been checked & verified by the supporting staff of SEIAA. The Mining Plan was approved by Assistant Geologist, Punjab vide Letter No. Glg/Pb/M.P/Dollowal /1174 dated 19.04.2023.

Deliberations during 257th meeting of SEAC held on 28.08.2023.

The meeting was attended by the following:

- (i) Mr. Paras Mahajan, Asst. Geologist.
- (ii) Sh. Harshant Kumar, XEN, Drainage Cum-Mining Divisional Ropar.
- (iii) Sh. Harpreet Singh, SDO, Drainage Cum-Mining Divisional Ropar.
- (iv) Dr. Sandeep Garg, EC-Coordinator M/s Eco Paryavaran Laboratory Pvt Ltd.

The Committee allowed the Environmental Consultant to present the salient features of the application proposal. Thereafter, the Environmental Consultant presented the case as under:

i)	Name of Applicant & Correspondence address: Mobile No: Email ID:	XEN/DMO, Drainage-cum-mining and Geology Division, WRD,, Punjab, Room No. 145, D.C. Complex, Mini Secretariat, Rupnagar, 9878688998 rupinder.p@punjab.gov.in
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ii)	Name of Environmental Consultant Mobile No. Email ID	Eco Paryavaran Laboratories & Consultants Pvt. Ltd. (formerly Eco Laboratories & Consultants Pvt. Ltd.) 8872043178 md@ecoparyavaran.org
iii)	Online Single window no.	SW/127353/2023
iv)	Project Name & Location	RBM Sand Mining Project Village: Dollowal Tehsil & District- Rupnagar, State Punjab
v)	Project/activity covered under item of scheduled to the EIA Notification,14.09.2006	1(a) Mining of Minor Minerals

1.0 The details of the mining project are as under:

S.No.	Item	Details		
a.	Category of the Project as per the EIA notification dated 14.09.2006	B2		
b.	Hadbast No. of the Village	344		
c.	Details of Khasra No. as under:			
	Khasra No. as per proposal	Khasra No. as per DSR	Khasra No. as per consent of land	Name of owner of the land per land NOC, DSR and Jamabandi
	531/2	1896/531(55-18)	1896/531(55-18)	Tejinder Singh
d.	Whether the mining area is less than area mentioned in the DSR,(If yes) the proposed mining area shall be earmarked in the KML file with different colour.	Yes		
d.1	(i) Area & Quantity details as per Mining plan and proposal (ii) Area and permissible quantity details as per DSR	(i) 2.09 Ha and 40825 MT (ii) 2.09 Ha and 40825 MT		
e	Longitude & Latitude of the mining site	Pillar No.	Latitude	Longitude
		1	31°12'0.54"N	76°34'42.17"E

		2	31°11'59.54"N	76°34'46.18"E
		3	31°11'53.48"N	76°34'48.05"E
		4	31°11'53.86"N	76°34'43.76"E
f.	Details of cluster formation	No cluster is formed. An undertaking in this regard submitted.		
g.	Affidavit from the land owner giving consent for carrying out mining. (In case of Pvt land)	Land NOC submitted.		
h.	Whether demarcation/erection of boundary pillars on the site has been done.	Demarcation Report submitted.		
i.	Status of clearance under Forest Conservation Act, 1980, Wildlife Protection Act 1972 as the case may be	In the Sub divisional Committee Report included in the approved DSR, Divisional Forest Officer, Department of Forests and Wildlife Prevention Punjab specified that the land of the above said sand mining site is <u>neither included in Areas notified u/s 4 & 5 of PLPA Act, 1900 nor in Areas falling in the Eco-Sensitive Zones of Wildlife Sanctuary & Conservation Reserves cover under Wildlife Protection Act, 1972 and Punjab Wildlife Preservation Act, 1959. This land of above said sand mining site is not forest land and there is no objection in this regard.</u>		
j.	Salient features of approved mining plans	Salient features of approved mining plan are presented in Pre-feasibility Report (PFR) and Environment Management Plan (EMP) submitted.		
k.	Method of mining	Open cast semi-mechanized		
l.	No. of workers on the site when fully operational	9		
m.	Total water requirement for domestic and other usage and its source	Domestic: 0.50 KLD Dust Suppression: 2.2 KLD Green Belt: 0.4 KLD (recycled) Total: 2.70KLD		

n.	Waste water generation and its disposal	Mobile toilet with Septic tank followed by Soak pit.		
o.	Information regarding no. of truck/trolleys per day for carrying the excavated material on the proforma prescribed in the DSR and map showing the transportation route with proper earmarking of katcha, pakka road and ROW.	Transportation of gravel from mine will be done by dumpers having carriage capacity of appx. 10 tonnes or as per availability of trucks and trolleys. Transportation route map will be presented before Committee.		
p.	Activities to be undertaken under EMP along with its cost.			
	S. No.	Description	Total Cost to be Incurred (in Rs)	Recurring cost (Rs.)
	1	Water Sprinkling Measures to be done on haul road to suppress dust	1,50,000	70,000
	2	Haul Road and other Roads Repair	2,00,000	1,00,000
	3	Septic tank & Mobile toilets and Solid Waste	65,000	20,000
	4	Greenbelt Development (with tree guards) (Plantation cost 2.09 Ha x 50 saplings/Ha= 104.5 saplings @ Rs.1000 per sapling)	1,04,500	50,000
	5	Management Safety shoes/ Masks/ Earplugs/ First Aid Kit etc.	20,000	5,000
	6	Additional Environmental Responsibilities (Rs. 1.5 per MT of Total quantity= 40875*1.5)	61,300	-
		TOTAL	6,00,800	2,45,000
q.	Whether any Litigation is pending against the proposed mining site, if yes the details, thereof, be provided.	No litigation is pending against the proposed mining site Self-Declaration certificate submitted		
i)	The Department shall provide details pertaining to No. of trees, if any, to be felled for carrying out mining activity.	No trees would be felled during mining activity		

ii)	The Department shall earmark, on the KML file, the distance from the habitation area from sand mining site. The Department shall certify that the same is in consonance with the existing guidelines allowing the Department for carrying out the mining near the habitation area.	Distance from nearest habitation is 450 m. The same has been incorporated in the KML file and will be presented before the committee.			
iii)	The Department shall earmark, on the KML file, the distance from the minor/major bridges up to the nearest boundary of sand mining site.	Nearest Bridge is 1.46 Km from the project site in West direction			
iv)	In case, the proposed mining site does not include in a cluster, the Department shall earmark on the KML file, the distance from the nearest mining site.	Not Applicable			
v)	The Department shall outline the environmental impact of the mining operations carried out at site. The Department shall also mention the mitigation measures proposed for mitigating the environmental impacts	The key impact areas for mining operations are: Air, land, water, noise etc. Impacts identified for the said mining site along with the proposed mitigation measures are enclosed in EMP submitted.			
vi)	Additional details as under:				
S.No.		Item			
1.		Details			
	a. Capacity of Mine as per the EC application/DSR/Mining plan in MT and TPA	Description	As per the EC application	As per the approved DSR	As per the Mining Plan
		Mine Capacity in MT	40875	69372	40875
	b. Area of the Mine as per EC application/DSR/Mining plan	Mine Capacity in TPA	13625	--	13625
		Mining Area on mining in HA	2.09	2.82	2.09
	c. Depth of mining as per EC application/DSR/Mining plan	Depth of Mining in m	2.50	2.50	2.50

2.	Details of Final District Survey Report	Approved by:- SEIAA Reference No: 1086 Date of Issue: 17.08.2023
3.	Cost of the project	Rs. 57,22,500/-
4.	Environment Management Plan along with Budgetary breakup and responsibility to implement	The Project Proponent Shall submit an undertaking, authorizing an Officer/personnel who will be responsible for the implementation of EMP till the mining activities closed as per the mining plan.

During meeting, the Project Proponent presented the KML file by superimposing the area of proposed site as per the application proposal and as per the approved DSR of District Roopnagar. As per the said KML file, the proposed area of mining site measuring 2.09 Ha falls within the area of mining site approved in the DSR. The Committee noted the same.

The Committee further asked the Project Proponent that the amount allocated for the green belt development be deposited with Forest Department. The Project Proponent agreed to the same and submitted the revised EMP as under:

Sr. No.	Environment mitigation measure	Capital Cost (In Lacs)	Recurring Cost (Lacs/Annum)
1	Repairing of road for transport of mining material and its subsequent maintenance	1,50,000	60,000
2	Water Sprinkling Measures	50,000	50,000
3	Drinking water facility, Septic Tank & Mobile toilets and solid waste management	65,000	20,000
4	Safety shoes/masks/earplugs/ first aid kit etc	20,000	5,000
	Additional Environment Activities		
5	Rs. 1.5 per MT of Total quantity= 40875*1.5) (The amount will be deposited to Forest Department for utilization of the same for development of green area(s)/belt(s))	61,300	-

6	Regular health check-up camps for the workers engaged in mines shall be organized.	104,500	50,000
7	Environmental Monitoring (Air, Water Soil etc.).	1,50,000	75,000
	Total	6,00,800	2,60,000

After detailed deliberations, SEAC decided to forward the application proposal to SEIAA with the recommendation to grant Environment Clearance under EIA Notification dated 14.09.2006 for carrying out mining of minor minerals (sand) in the area of 2.09 Ha for the quantity of 40825 MT, which shall not exceed the quantity of 40825 MT as per the approved DSR at Village Dollowal, Tehsil and District Roopnagar, Punjab subject to the conditions attached as Annexure-2.

Deliberations during 260th meeting of SEIAA held on 12.09.2023:

The case was considered by SEIAA in its 260th meeting held on 12.09.2023 which was attended by the following:

- i) Sh. Harshant Kumar, XEN, Drainage Cum-Mining Divisional Ropar.
- ii) Dr. Sandeep Garg, EC-Coordinator M/s Eco Paryavaran Laboratory Pvt Ltd.
- iii) Mrs. Jyoti Rani, EIA Coordinator, M/s Eco laboratories Pvt. Ltd.

During the meeting, the Environmental Consultant presented the salient features of the project. On a query by SEIAA whether the Project is a PMS or CMS site, Environmental Consultant informed that the project site is a commercial mining site having total area of 2.09 Ha and quantity of 40,875 MT and accordingly, they have applied for the semi mechanized method of mining.

SEIAA observed that brief synopsis as per the new template and revised Environmental Management Plan (EMP) need to be submitted. Accordingly, the project proponent submitted the brief synopsis as per the new template which was taken on record.

The revised EMP and additional environmental activities to be undertaken under the project and outlays for the same were thereafter discussed and finalized as under:

TABLE 1

Sr No.	Description	Capital cost (lakhs)	Recurring cost (lakhs per annum)
1	Provision of Septic Tank	30000	10,000
2	Handling of Solid waste	2500	2,000
3	Provision of Green Belt (Plantation cost 2.09 Ha x 50 saplings/Ha= 104.5 saplings @ Rs.1000 per sapling)	104500	0
4	Dust Suppression Activities	150000	70,000
5	Occupational Health measure such as first aid and other miscellaneous	5000	5,000
6	Environmental Monitoring (Air, Water Soil etc.).	0	50,000
7	Regular health check-up camps for the workers engaged in mines shall be organized.	10000	10,000
9	Additional Environmental Activities (Rs. 1.50/- per MT for Green Area development in the Greening Punjab Mission revenue head of the state treasury through the DFO prior to commencement of mining operations)	61500	0
Total		363500	147,000

After detailed deliberations and examination of relevant documents, SEIAA decided to accept the recommendations of SEAC and grant Environmental Clearance for mining of minor minerals (Sand) at subject cited mining site for the total area of 2.09 Ha for the quantity of 40,875 MT, as per the approved DSR at Village Dollowal, Tehsil & District Roopnagar, Punjab, as per the details mentioned in the application, approved mining plan, District Survey Report and other

documents and subsequent clarifications made by the project proponent and his consultation, proposed measures and subject to the conditions proposed by SEAC and following additional conditions:

Additional Conditions:

- I. The project proponent shall implement the EMP as per Table 1 above.
- II. Enhancement in the total quantity can be approved by SEIAA only upon submission of credible replenishment study data.
- III. The project proponent shall deposit Rs 61,500/- for Green Area development in the Greening Punjab Mission revenue head of the state treasury through the DFO prior to commencement of mining operations and grant of EC as specified at S No. 9 of Table 1 in the following Budget Head:

Demand No.	32- Forestry and Wildlife
Major Head	0406 – Forestry and Wildlife
Sub-Major Head	01 – Forestry
Minor Head	102- Receipts from Social and Farm Forestry
Sub-Head	03 – Green Punjab Mission
Detailed Head	01- Green Punjab Mission Fees

Item No. 260.05: Application for Environmental Clearance under EIA Notification dated 14.09.2006 for establishment of Residential Group Housing Project namely "Pavitra Luxury Residences" at Village Nabha, Zirakpur, Distt. SAS Nagar, Punjab by M/s Pavitra Homes (Proposal No. SIA/PB/INFRA2/438091/2023)

The project proponent has applied for Environmental Clearance for establishment of Residential Group Housing Project namely "Pavitra Luxury Residences" at Village Nabha, Zirakpur, Distt. SAS Nagar, Punjab.

The land area of the project is 23,926.115 (5.910 acres) having built-up area 1,12,850.882 sq.m. The project is covered under category 8(a) of the schedule appended with EIA notification dated 14.09.2006.

The project proponent has submitted conceptual plan, Form I, Form IA and other additional documents through Parivesh portal. He has also deposited Rs. 2,25,702 vide NEFT No. KKBKH23195632286 dated 14.07.2023. The adequacy of the fee has been checked & verified by the supporting staff of SEIAA.

The project site was visited by Punjab pollution control board on 07/08/2023 and it was observed as under:

1. *As per the Site shown by representative, no site development work has been started at the site and the site is empty plot.*
2. *As physically observed, the distance of the proposed site from the various approved existing operational industries /units (for which specific siting guidelines has been issued by the board for time to time), is more then the required distance as per the sitting criteria given as under:*

Sr.No.	Type of Industrial unit	Required Distance as per sitting Criteria
1.	Cement plant /Grinding Unit	300m
2.	Rice Sheller / Salla Plant	500m
3.	Stone Crushing /Screening Cum Washing Plant	500m
4.	Hot Mix Plant	300m
5.	Brick Kiln	300m

6.	CBWTF	500m
7.	Poultry farm	500m
8.	Jaggery Unit	200m

3. There is no drain, river, eco-sensitive structure within 500m boundary of the project site.
4. The site is complying with general siting criteria as per policy dated 30.04.2013 and specific sitting guidelines as per the Department of Science, Technology & Environment, Govt of Punjab notification No. 3/6/07/STE(4)/2274 dated 25/7/2008.

Deliberations during 257th meeting of SEAC held on 28.08.2023.

The meeting was attended by the following:

- (i) Mr. Lakshit Gupta, Partner M/s Pavitra Homes
- (ii) Dr. Sandeep Garg, EC-Coordinator M/s Eco Paryavaran Laboratory Pvt Ltd.

The Committee allowed the Environmental Consultant to present the salient features of the application proposal. Thereafter, the Environmental Consultant presented the case as under:

Sr. No.	Description	Details
1	Basic Details	
1.1	Name of Project & Project Proponent:	Residential Group Housing Project namely "Pavitra Luxury Residences" by M/s Pavitra Homes
1.2	Proposal:	SIA/PB/INFRA2/438091/2023
1.3	Location of Project:	Village Nabha, Zirakpur, Distt. SAS Nagar, Punjab
1.4	Details of Land area & Built up area:	Project Plot Area = 23,926.115 sqm (5.910 acres) Net Plot Area = 23,231.877 sq.m. (5.739 acres) Built-up Area = 1,12,850.882 sq.m
1.5	Category under EIA notification dated 14.09.2006	The project falls under S.No. 8(a) 'Building & Construction Project' as the built-up area of the proposed project will be 1,12,850.882 sq.m.
1.6	Cost of the project	Rs. 80 Crores
2.	Site Suitability Characteristics	

2.1	Whether project is suitable as per the provisions of Master Plan:	Yes. The project falls in Residential zone as per Master Plan of Zirakpur. Copy of Master Plan of Zirakpur showing the project location is attached along with application.												
2.2	Whether supporting document submitted in favour of statement at 2.1, details thereof: (CLU/building plan approval status)	Approval for change in land use has been obtained from Local Government, Punjab for 23,926.115 sq.m. (5.910 acres) of land vide Memo No. PB/CLU/SAS/ZIRAK/3022 dated 06.02.2023 and is attached along with application.												
3	Forest, Wildlife and Green Area													
3.1	Whether the project required clearance under the provisions of Forest Conservations Act 1980 or not:	No forest land is involved in the project. Self-declaration in this regard is attached along with application.												
3.2	Whether the project required clearance under the provisions of Punjab Land Preservation Act (PLPA), 1900.	Project is not covered under PLPA, 1900. Self-declaration in this regard is attached along with application.												
3.3	Whether project required clearance under the provisions of Wildlife Protection Act 1972 or not:	No. The project does not require clearance under Wildlife Protection Act, 1972. Self-declaration in this regard is attached along with application.												
3.4	Whether the project falls within the influence of Eco-Sensitive Zone or not.	No. The project falls outside eco-sensitive zone of City Bird Sanctuary and Sukhna Wildlife Sanctuary.												
3.5	Green area requirement and proposed No. of trees:	Total proposed green area = 6,423.129 sq.m. No. of trees required = 502 trees No. of trees proposed = 503 trees												
4.	Configuration & Population													
4.1	<p>Proposal & Configuration <u>Area Statement</u></p> <table border="1"> <thead> <tr> <th>Description</th> <th>Area (in sq.m.)</th> </tr> </thead> <tbody> <tr> <td>Total Site Area</td> <td>23,926.115 (5.910 acres)</td> </tr> <tr> <td>Area under road widening</td> <td>694.238 (0.170 acre)</td> </tr> <tr> <td>Net Plot area</td> <td>23,231.877 (5.739 acres)</td> </tr> <tr> <td>Permissible Commercial area (@5%)</td> <td>1161.594</td> </tr> <tr> <td>Achieved Commercial area (@ 1.588%)</td> <td>368.928</td> </tr> </tbody> </table>		Description	Area (in sq.m.)	Total Site Area	23,926.115 (5.910 acres)	Area under road widening	694.238 (0.170 acre)	Net Plot area	23,231.877 (5.739 acres)	Permissible Commercial area (@5%)	1161.594	Achieved Commercial area (@ 1.588%)	368.928
Description	Area (in sq.m.)													
Total Site Area	23,926.115 (5.910 acres)													
Area under road widening	694.238 (0.170 acre)													
Net Plot area	23,231.877 (5.739 acres)													
Permissible Commercial area (@5%)	1161.594													
Achieved Commercial area (@ 1.588%)	368.928													

Minimum area for Community Centre (@ 3%)	696.956
Proposed Community Centre (@ 3.066%)	712.394
Permissible Ground Coverage (@ 35%)	8,131.157
Proposed Ground Coverage (@ 24.145%)	5609.439
Permissible FAR (@ 3)	69,695.632
Proposed FAR (@ 2.99)	69,682.492
Proposed Non FAR (including basement)	43,168.390
Built-up area (FAR + Non FAR)	1,12,850.882
Green required (@ 25%)	5,807.969
Proposed Organized Green area (@ 23.952%)	5564.593
Proposed Unorganized green area (@ 3.696%)	858.536
Proposed Green area (@ 27.648%)	6,423.129

Tower wise area details

Description	No. of Floors	No. of Dwelling Units	FAR (in sq.m.)	Non-FAR (in sq.m.)
Residential Towers				
● Tower 1	S+16	504	7,587.702	2,886.076
● Tower 2	S+16		7,379.067	2,830.541
● Tower 3	S+16		7,379.067	2,830.541
● Tower 4	S+16		7,379.067	2,830.541
● Tower 5	S+16		7,379.067	2,830.541
● Tower 6	S+16		7,587.702	2,886.076
● Tower 7	S+16		7,587.702	2,886.076
● Tower 8	S+16		7,587.702	2,886.076
● Tower 9	S+9	36	2,255.896	1,009.146
● Tower 10	S+9		2,255.896	1,009.146
● Tower 11 (EWS)	S+14	54	3,854.590	1,945.321
Total		594 DUs	68,233.458	26,830.081
Commercial Shopping	G+1	18 Nos.	736.64	27.598
Community Centre-01	G	1 No.	712.394	38.745
Basement	--	--	--	16,271.966
Grand Total			69,682.492	43,168.390

Details of the total land area, FAR area and green area mentioned above are as per the approval layout plan.

Built up area details

S. No.	Details	Built-up Area
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			(in sq.m.)		
	1.	Residential Towers	95,063.539		
	2.	Commercial Shopping	764.238		
	3.	Community Centre-01	751.139		
	4.	Basement Area	16,271.966		
	Total		1,12,850.882 m²		
4.2	Population details				
	Table 4: Population details				
	Description		Factors as per NBC (Number of people)	Dwelling units / Area (in sq.m.)	Population
	RESIDENTIAL TOWERS				
	3 BHK		6 persons per DU	540	3,240
	2 BHK		5 persons per DU	54	270
	TOTAL				3,510
	Visitors	@ 10%	-	-	351
	Staff	Lumpsum	-	-	10
	Sub Total				3,871
	COMMERCIAL SHOPS (G+1)				
	1. Ground Floor		3 m ² /person	368.928	123
	2. First Floor		6 m ² /person	367.712	61
	Sub Total				184
	Staff (@ 10%)				18
	Visitors (@ 90%)				166
	COMMUNITY CENTRE 01				
	Community Centre 1		1.4 m ² /person	712.39	509
	Sub Total				509
	STAFF (@ 10%)				50
	VISITORS (@ 90%)				459
	TOTAL POPULATION = 4,564 Persons				
5	Water				
5.1	Total fresh water requirement: Fresh water during summer season = 323 KLD. Water demand calculations are given below: Water demand & wastewater generation calculations				
	Sr. No.	Details	Population	Criteria	Water Demand (KLD)
	1.	Residential population	3,510	@ 135 lpcd	474

	2.	Staff	78	@ 45 lpcd	3.5		
	3.	Visitors	976	@ 15 lpcd	14.6		
	4.	Water Requirement			492		
	5.	Wastewater Generation (@ 80% of water requirement)			394		
	6.	Treated Sewage (@ 98%)			386		
	7.	Flushing Water Requirement (@ 45 lpcd for residential population, @ 20 lpcd for floating population & @ 10 lpcd for visitors)			158+1.6+9.8 =169		
	8.	Total Fresh Water Demand			492 – 169 = 323 KLD		
	9.	Green area water req. for 6423.129 sq.m.					
		• Summer (@ 5.5 lt./m ² /day)			35		
		• Winter (@ 1.8 lt./m ² /day)			12		
		• Monsoon (@ 0.5 lt./m ² /day)			3		
5.2	Source:		Borewells (2 Nos.)				
5.3	Whether Permission obtained for abstraction/supply of the fresh water from the Competent Authority (Y/N) <i>Details thereof</i>		No, permission from Punjab Water Regulation and Development Authority (PWRDA) for extraction of groundwater is not required as water will be exclusively used for domestic & drinking purposes only.				
5.4	Total wastewater generation:		394 KLD				
5.5	Treatment methodology: <i>(STP capacity, technology & components)</i>		Proposed STP of 500 KLD capacity based on MBBR Technology followed by UF.				
5.6	Treated wastewater for flushing purpose:		Total treated water for flushing = 169 KLD				
5.7	Treated wastewater for green area in summer, winter and rainy season:		Summer: 35 KLD Winter: 12 KLD Monsoon: 3 KLD				
5.8	Utilization/Disposal of excess treated wastewater.		Excess treated wastewater will be disposed off to MC sewer. Permission for connecting the sewer line of the project with the main sewer line of the MC, Zirakpur issued by EO, Zirakpur vide letter No. 796 dated 12.06.2023.				
5.9	Cumulative Details:						
	S.No	Total water Requirement	Total wastewat	Treated wastewat	Flushing water	Green area requireme	Into sewer KLD

	KLD	er generated KLD	KLD	requirement KLD		
1.	492 KLD	394 KLD	386 KLD	169 KLD	Summer-35 KLD Winter-12 KLD Monsoon-3 KLD	Summer-182 Winter-205 KLD Monsoon-214 KLD
5.10	Rain water harvesting proposal:		06 Rain water recharging pits have been proposed for artificial rain water recharging within the project premises. Layout showing 06 rain water recharging pits is enclosed along with application.			
6	Air					
6.1	Details of Air Polluting machinery:		5 Nos. of DG sets of capacity – 3 Nos. of 750 kVA & 2 Nos. 500 kVA each.			
6.2	Measures to be adopted to contain particulate emission/Air Pollution		DG sets will be equipped with acoustic enclosure to minimize noise generation and adequate stack height for proper dispersion.			
7	Waste Management					
7.1	Total quantity of solid waste generation		Total solid waste generation = 1,615 kg/day			
7.2	Whether Solid Waste Management layout plan by earmarking the location as well as area designated for installation of Mechanical Composter and Material Recovery Facility submitted or not		Yes. Biodegradable waste will be converted into manure using 2 Composters (500 kg & 250 kg each). Non-biodegradable waste (recyclable waste) will be disposed off through authorized recycler vendor. STP sludge will be dried and used as manure for green area development within the project. Layout plan showing solid waste segregation area is attached along with application. NOC from MC, Zirakpur for solid waste disposal is attached along with application.			
7.3	Details of management of plastic waste generated from project		Plastic waste will be handled as per Plastic Waste Management Rules, 2016.			
7.4	Whether agreement executed with Municipal Council for lifting of plastic waste (Y/N)		Not yet.			
7.5	Details of management of Hazardous Waste.		Hazardous Waste in the form of used oil from DG sets will be generated which will be managed & disposed off to authorized vendor as per the Hazardous & Other Wastes			

		(Management & Transboundary Movement) Rules, 2016 and its amendments.		
8	Energy Saving & EMP			
8.1	Power Consumption:	Total Power load = 3,055 KW		
8.2	Energy saving measures:	Solar panels have been proposed on the roof top of the towers. The total area covered by solar panels will be 1,474 sq.m. which is @ 30% of roof top area which will generate 165.24 KW of power generation. Details of energy savings is attached along with the application.		
8.3	Details of activities under Environment Management Plan.			
			Recurring cost (In Lakhs/Annum)	
	Sr. No.	Title	Capital Cost (In Lakhs)	Construction phase
	Operation Phase			
	1	Air & Noise Pollution Management (Acoustic enclosure for DG sets, tarpaulin sheets/barricading, water sprinklers, Maintenance of machinery & PPE's, anti-smog guns, etc.)	20	5
	4		4	10
	2	Water Pollution Control (STP of 500 KLD capacity based on MBBR technology followed by UF)	50	4
	3	Landscaping (planting & maintenance of 503 trees)	7	2
	8		2	7
	4	Solid Waste Management (2 Composters of 500 kg & 250 kg)	20	2
	7		15	2
	5	Rain water Harvesting (6 pits)	15	2
	6	Energy Conservation (LED lights in common areas, solar panel, etc.)	70	1
	5		2	2
	7	Miscellaneous (Environment monitoring cost, Management of Environment Cell, etc.)	2	2
	5		184	18
	Total			43
<p>In addition, Rs. 80 Lakhs (i.e., 1% of total project cost) has been reserved for undertaking additional Environment activities. Details of the same are given below in Table 7:</p> <p style="text-align: center;"><u>Table 7: Additional Environment Activities</u></p>				
	Sr.	Activities		

	No.		Cost (In Lakhs)
	1	Adoption of Govt. Primary School in Village Nabha Sahib, Block Banur, Distt. SAS Nagar. <ul style="list-style-type: none"> • To carry out repair/renovation work in the said school's premises. • To plant trees, create and maintain park in school. • To provide new furniture. • To get school walls painted. • To provide LED bulbs to school • To install solar panels on the roof top of school. • To conduct environmental awareness workshops. • To provide rain water harvesting system. 	30
	2.	Adoption of Village Nabha Sahib, Block Banur, Distt. SAS Nagar, Punjab for undertaking following activities: <ul style="list-style-type: none"> • To carry out repair/renovation work/re-carpeting of village roads. • To plant trees, create and maintain parks and common landscape areas in the village. • To install solar lights and street lights and poles along village roads and common areas in the village. 	25 + 15 + 10 = 50
		Total Amount to be spent under additional environment activities	Rs. 80 Lakhs

The Committee, on perusal of letter No. 796 dated 12.06.2023 issued by E.O, Zirakpur regarding disposal of excess treated waste water to MC, Sewer, asked the project proponent to provide the alternative scheme for disposal of excess treated waste water till the time the project sewer is connected with MC, sewer.

In this regard, the Project Proponent submitted letter dated 28.08.2023 during the meeting and apprised the Committee that he shall carry out the construction of the project in phases. The project proponent proposed to construct Tower-2 to Tower-10 in first phase and Tower-1 & Tower-11 (EWS) in the second phase. He further submitted that he shall not carry out the construction of the second phase till the time the project sewer is connected with the MC, sewer, as the land reserved for these Towers along with other land are proposed to be developed under Karnal Technology for utilization of treated waste water. The population estimation and water demand has been revised accordingly with details as under:

First Phase

(A) Estimation of Population & Water Demand

Sr. No.	Description	Population (No. of Persons)	Criteria for water demand	Water demand (KLD)	Flushing Water Criteria	Flushing Water Requirement
1	Residential Towers (Tower-2 to Tower-10) – 476 DUs @ 5 Persons/DU	2380	135 LPCD	321	45 LPCD	107
2	Staff	50	45 LPCD	2	20 LPCD	1
3	Shops	36	45 LPCD	2	20 LPCD	1
	Total	2466		325		109

(B) Cumulative details:

S.No.	Total water Requirement KLD	Total wastewater generated KLD	Treated wastewater KLD	Flushing water requirement KLD	Green area requirement KLD	Into sewer KLD
1.	325 KLD	260 KLD	255 KLD	109 KLD	Summer-35 KLD Winter-12 KLD Monsoon-3 KLD	Summer-111 Winter-134 KLD Monsoon-143 KLD

The Project Proponent proposed to develop the land area of 1.20 acres under Karnal Technology to utilize the excess treated wastewater till the time the project sewer is connected with MC, sewer as a stop gap arrangement. The Project Proponent submitted the layout plan by earmarking the area to be developed under Karnal Technology.

The Committee was satisfied with the revised proposal submitted by the Project Proponent and after detailed deliberations decided to award silver grading and forward the case to SEIAA with a recommendation to grant Environmental Clearance for establishment of Residential Group Housing Project namely “Pavitra Luxury Residencies” at Village – Nabha, Zirakpur, Distt. SAS Nagar, Punjab by M/s Pavitra Homes subject to the standard & specific conditions:

Specific Condition:

- (i) The Project Proponent shall not carry out the construction of the second phase i.e Tower-1 & Tower-11 (EWS) and shall maintain the area to be developed under Karnal Technology till the final outlet of the project carrying surplus treated wastewater is connected with the MC, sewer.

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 freshwater use shall not exceed the proposed requirement as mentioned in the application proposal.
- v) 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.
- vi) 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.
- vii) The project proponent shall ensure a safe drinking water supply to the habitants. Adequate treatment facility for drinking water shall be provided, if required.
- viii) 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.
- ix) 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.
- x) 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.
- xi) Dual pipe plumbing shall be installed for supplying fresh water for drinking, cooking and bathing, etc. and other for supply of recycled water for flushing, landscape irrigation, car washing, thermal cooling, air conditioning etc.
- xii) 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.
- xiii) 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.

- xiv) 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

- xv) Water demand during construction should be reduced by the use of pre-mixed concrete, curing agents, and adopting other best practices.
- xvi) 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. The groundwater shall not be withdrawn without approval from the Competent Authority.
- xvii) All recharge should be limited to shallow aquifers.
- xviii) 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.
- xix) 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.

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

IV. Noise monitoring and prevention

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

V. Energy Conservation measures

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

VI. Waste Management

- i) A certificate from the competent authority handling municipal solid waste, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from the project shall be obtained.
- ii) The Project Proponent shall install Mechanical Composter of adequate capacity to treat wet component of the Solid Waste.
- iii) Disposal of muck during the construction phase should not create any adverse effect on the neighbouring communities and should be safely disposed of taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of the competent authority.
- iv) Separate wet and dry bins must be provided in each unit and at the ground level for facilitating the segregation of waste. Solid waste shall be segregated into wet garbage and inert materials.
- v) Organic waste compost/ Verme culture pit/ Organic Waste Converter/Mechanical Composter within the premises must be installed for treatment and disposal of the solid waste.

- vi) All non-biodegradable waste shall be handed over to authorized recyclers for which a written tie-up must be done with the authorized recyclers.
- vii) Any hazardous waste generated during the construction phase, shall be disposed of as per applicable rules and norms with the necessary approvals of the State Pollution Control Board.
- viii) Use of environment-friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction material quantity. These include Fly Ash bricks, hollow bricks, AACs, Fly Ash Lime Gypsum blocks, Compressed earth blocks, and other environmentally friendly materials.
- ix) Fly ash should be used as a building material in the construction as per the provision of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003 and 25th January, 2016. Ready-mixed concrete must be used in building construction.
- x) Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Rules, 2016.
- xi) Used CFLs and TFLs should be properly collected and disposed of or sent for recycling as per the prevailing guidelines/ rules of the regulatory authority to avoid mercury contamination.

VII. Green Cover

- i) No naturally growing tree should be felled/transplanted unless exigencies demand. Where absolutely necessary, tree felling shall be with prior permission from the concerned regulatory authority. Old trees should be retained based on girth and age regulations as may be prescribed by the Forest Department.
- ii) At least a single line plantation all around the boundary of the project as proposed shall be provided. The open spaces inside the plot should be suitably landscaped and covered with vegetation of indigenous species/variety. The project proponent shall ensure the planting of trees in the project area at the identified location, as per the 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. The plantation to be carried out under Karnal Technology shall be in addition to the green area plantation of the project.

- 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.
 - e) Hierarchy of roads with proper segregation of vehicular and pedestrian traffic.
 - f) Traffic calming measures.
 - g) Proper design of entry and exit points.
 - h) 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 following activities under EMP and environmental conditions along with the responsibility matrix of the company shall be prepared and shall be duly approved by the competent authority.

Sr. No.	Title	Capital Cost (In Lakhs)	Recurring cost (In Lakhs/Annum)	
			Construction phase	Operation Phase
1	Air & Noise Pollution Management (Acoustic enclosure for DG sets, tarpaulin sheets/ barricading, water sprinklers, Maintenance of machinery & PPE's, anti-smog guns, etc.)	20	5	4
2	Water Pollution Control (STP of 500 KLD capacity based on MBBR technology followed by UF)	50	4	10
3	Landscaping (planting & maintenance of 503 trees)	7	2	8
4	Solid Waste Management (2 Composters of 500 kg & 250 kg)	20	2	7
5	Rain water Harvesting (6 pits)	15	2	4
6	Energy Conservation (LED lights in common areas, solar panel, etc.)	70	1	5
7	Miscellaneous (Environment monitoring cost, Management of Environment Cell, etc.)	2	2	5
	Total	184	18	43

Additional Environment activities.

Sr. No.	Activities	Cost (In Lakhs)
1	Adoption of Govt. Primary School in Village Nabha Sahib, Block Banur, Distt. SAS Nagar. <ul style="list-style-type: none"> • To carry out repair/renovation work in the said school's premises. • To plant trees, create and maintain park in school. • To provide new furniture. • To get school walls painted. • To provide LED bulbs to school • To install solar panels on the roof top of school. 	30

	<ul style="list-style-type: none"> To conduct environmental awareness workshops. To provide rain water harvesting system. 	
2.	<p>Adoption of Village Nabha Sahib, Block Banur, Distt. SAS Nagar, Punjab for undertaking following activities:</p> <ul style="list-style-type: none"> To carry out repair/renovation work/re-carpeting of village roads. To plant trees, create and maintain parks and common landscape areas in the village. To install solar lights and street lights and poles along village roads and common areas in the village. 	<p>25 + 15 + 10 = 50</p>
	Total Amount to be spent under additional environment activities	Rs. 80 Lakhs

XI. Validity

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

XII. Miscellaneous

- i) The project proponent shall obtain a completion and occupancy certificate from the Competent Authority and submit a copy of the same to the SEIAA, Punjab before allowing any occupancy.
- ii) The project proponent shall comply with the conditions of CLU, if obtained.
- iii) The project proponent shall prominently advertise in at least two local newspapers of the District or State, of which one shall be in the vernacular language within seven days indicating that the project has been accorded environment clearance and the details of MoEF&CC/SEIAA website where it is displayed.
- iv) The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn have to publicly display the same for 30 days from the date of receipt.
- v) The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on a half-yearly basis.
- vi) The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the Ministry of Environment, Forest and Climate Change at the Environment Clearance portal and submit a copy of the same to SEIAA.

- vii) The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put the same on the website of the company.
- viii) The project proponent shall inform the Regional Office as well as SEIAA Punjab, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
- ix) The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
- x) The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitments made during public hearing and also those made to SEIAA / SEAC during their presentation.
- xi) No further expansion or modifications in the project shall be carried out other than those permitted in this EC without prior approval of SEIAA. In case of deviation or alterations in the project proposal from those submitted to the Ministry/SEIAA for clearance, a fresh reference shall be made to the Ministry/SEIAA, as applicable, to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
- xii) The Regional Office, MoEF&CC, Chandigarh, Punjab Pollution Control Board and SEIAA/SEAC members nominated for the purpose shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer(s) entrusted with this monitoring by furnishing the requisite data/ information/monitoring reports.
- xiii) This Environmental Clearance is granted subject to final outcome of pending related cases in the Hon'ble Supreme Court of India, Hon'ble High Courts, Hon'ble NGT and any other Court of Law as may be applicable to this project.

XIII. Additional Conditions

- i) The approval is based on the conceptual plan/drawings submitted with the application. In case, there is variation in built-up area/green area/ any other details in the drawings approved by the competent authority, the Project Proponent shall obtain the revised Environmental Clearance.
- ii) The Project Proponent shall ensure that the natural drainage channels in the project site including streams, drains, choes, creeks, rivulets, etc. are not disturbed so that the natural flow of rainwater, etc is not impeded or disrupted in any manner.

- iii) Authorization from Punjab Pollution Control Board shall be obtained as applicable under the Bio-Medical Waste Management Rules 2016 as amended from time to time.
- iv) The solid waste other than Bio-Medical Waste & Hazardous Waste (dry as well as wet garbage) generated should be properly collected and segregated before disposal to Municipal Authorities in accordance with the Municipal Solid Waste (Management & Handling) Rules, 2000. No municipal waste should be disposed off outside the premises in contravention of relevant rules and by-laws. Adequate measures should be taken to prevent any malodour in and around the Project premises.
- v) In the event that the project proponent decides to abandon/close the Project at any stage, he shall submit an application in the prescribed form along with requisite documents through Parivesh to SEIAA for surrendering the Environmental Clearance as per the procedure prescribed in OM dated 29.03.2022 issued by the MoEF&CC. The project proponent shall be accountable for adherence/compliance of the EC conditions till such time as the project is finally closed by SEIAA, based upon the certified closure report of Integrated Regional Offices (IROs) of MoEF&CC, Chandigarh/PPCB.
- vi) This Environmental Clearance is liable to be revoked without any further notice to the Project Proponent in case of failure to comply with condition (v) above.
- vii) Concealing factual data or submission of false/fabricated data may result in revocation of this Environmental Clearance and attract action under the provisions of Environment (Protection) Act, 1986.
- viii) The Project Proponent shall manage the solid waste generated from the project as per the sub-rule-7 of rule-4 of SWM Rules 2016.
- ix) The Ministry reserves the right to stipulate additional conditions if found necessary. The Promoter Company in a time bound manner shall implement these conditions.
- x) The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and other wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India/High Courts and any other Court of Law relating to the subject matter.
- xi) Any appeal against this Environmental Clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

Deliberations during 260th meeting of SEIAA held on 12.09.2023:

The case was considered by SEIAA in its 260th meeting held on 12.09.2023 which was attended by the following:

- i) Mr. Lakshit Gupta, Partner M/s Pavitra Homes
- ii) Dr. Sandeep Garg, EC-Coordinator M/s Eco Paryavaran Laboratory Pvt Ltd.
- iii) Mrs. Jyoti Rani, EIA Coordinator, M/s Eco laboratories Pvt. Ltd.

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

SEIAA observed that the Environmental Consultant has proposed Karnal Technology in the project site to utilize the treated wastewater in an area of 1.2 acres till the project sewer is connected with the MC sewer as a stop gap arrangement. The earmarked area of 1.2 acres involves the site of tower-1 and tower-11 and the construction of the same shall be carried out in the second phase of the project. Since the area in which Karnal Technology is to be undertaken is in the midst of densely populated Group Housing buildings, SEIAA desired that additional measures should be taken to ensure that residents are not subjected to foul odours on account of improper functioning of the STP. To this, Environmental Consultant proposed that they shall adopt upgraded technique using the more advanced MBR followed by UF Technology for the treatment of wastewater generated from the project and achieve the BOD standard of <10 ppm.

To another query of SEIAA regarding AEA activities, the environmental consultant submitted the amended EMP including AEA activities as under:

Details of activities under Environment Management Plan.				
Sr. No.	Title	Capital Cost (In Lakhs)	Recurring cost (In Lakhs/Annum)	
			Construction phase	Operation Phase
1	Air & Noise Pollution Management (Acoustic enclosure for DG sets, tarpaulin sheets/barricading, water sprinklers,	20	5	4

	Maintenance of machinery & PPE's, anti-smog guns, etc.)			
2	Water Pollution Control (STP of 500 KLD capacity based on MBR technology followed by UF)	80	4	20
3	Landscaping (planting & maintenance of 503 trees)	7	2	8
4	Solid Waste Management (2 Composters of 500 kg & 250 kg)	20	2	7
5	Rain water Harvesting (6 pits)	15	2	4
6	Energy Conservation (LED lights in common areas, solar panel, etc.)	70	1	5
7	Miscellaneous (Environment monitoring cost, Management of Environment Cell, etc.)	2	2	5
8	Additional Environmental Activities*	80	-	-
	Total	294	18	53

Rs. 80 Lakhs (i.e., 1% of total project cost) has been reserved for undertaking additional Environment activities as under:

***Additional Environment Activities**

Sr. No.	Activities	Cost (In Lakhs)
1	Adoption of Govt. Primary School in Village Nabha Sahib, Block Banur, Distt. SAS Nagar. <ul style="list-style-type: none"> To plant trees, create and maintain park in school. To install solar panels on the roof top of school. To provide rain water harvesting system. 	7 + 6 + 7 = 20
2.	Adoption of Village Nabha Sahib, Block Banur, Distt. SAS Nagar, Punjab for undertaking following activities: <ul style="list-style-type: none"> To plant trees, create and maintain parks and common landscape areas in the village. To install solar lights and street lights along village roads and common areas in the village. Nanak Bagchi in 0.75 acres of land 	25 + 15 + 10 = 50
3.	Amount to be deposited in Greening Punjab Mission account	10
	Total Amount to be spent under additional environment activities	Rs. 80 Lakhs

SEIAA was satisfied with reply of the project proponent. A copy of the revised presentation submitted by project proponent was also taken on record.

After detailed deliberations and examination of relevant documents, SEIAA decided to accept the recommendations of SEAC and grant Environmental Clearance for establishment of group housing project namely “Pavitra Luxury Residences” in an area of 23,926.115 sqm having built up area of 1,12,850.882 sqm at Village Nabha, Zirakpur, District SAS Nagar, Punjab by M/s Pavitra Homes as per the details mentioned in the application and subsequent presentation /clarifications made by the project proponent and his consultant with proposed measures and subject to the conditions proposed by SEAC and amended/additional conditions as under:

Amended Condition no. iii) of the Environmental Management Plan

- III. An action plan for implementing following activities under 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 year marked for Environmental Protection shall be kept in separate account and not to be diverted for any purposes. The project proponent shall spend the following amount towards the capital cost and recurring cost in the construction phase of the project:

TABLE I

Details of activities under Environment Management Plan.				
Sr. No.	Title	Capital Cost (In Lakhs)	Recurring cost (In Lakhs/Annum)	
			Construction phase	Operation Phase
1	Air & Noise Pollution Management (Acoustic enclosure for DG sets, tarpaulin sheets/barricading, water sprinklers, Maintenance of machinery & PPE's, anti-smog guns, etc.)	20	5	4
2	Water Pollution Control (STP of 500 KLD capacity based on MBBR technology followed by UF)	80	4	20

3	Landscaping (planting & maintenance of 503 trees)	7	2	8
4	Solid Waste Management (2 Composters of 500 kg & 250 kg)	20	2	7
5	Rain water Harvesting (6 pits)	15	2	4
6	Energy Conservation (LED lights in common areas, solar panel, etc.)	70	1	5
7	Miscellaneous (Environment monitoring cost, Management of Environment Cell, etc.)	2	2	5
8	Additional Environmental Activities*	80	-	-
	Total	294	18	53

Rs. 80 Lakhs (i.e., 1% of total project cost) has been reserved for undertaking additional Environment activities as under:

***Additional Environment Activities**

Sr. No.	Activities	Cost (In Lakhs)
1	Adoption of Govt. Primary School in Village Nabha Sahib, Block Banur, Distt. SAS Nagar. <ul style="list-style-type: none"> To plant trees, create and maintain park in school. To install solar panels on the roof top of school. To provide rain water harvesting system. 	7 + 6 + 7 = 20
2.	Adoption of Village Nabha Sahib, Block Banur, Distt. SAS Nagar, Punjab for undertaking following activities: <ul style="list-style-type: none"> To plant trees, create and maintain parks and common landscape areas in the village. To install solar lights and street lights along village roads and common areas in the village. Nanak Bagchi in 0.75 acres of land 	25 + 15 + 10 = 50
3.	Amount to be deposited in Greening Punjab Mission account	10
	Total Amount to be spent under additional environment activities	Rs. 80 Lakhs

Additional Condition

- 1) The project proponent shall undertake Additional Environment Activities as per Table-1 above. Towards this end, the PP will deposit the Rs 10.00/- Lakhs in the Government treasury through the DFO SAS Nagar prior to 30.11.2024 or before start of the project whichever is earlier under the budget head of Greening Punjab Mission as under:

Demand No.	32- Forestry and Wildlife
MajorHead	0406-Forestry and Wildlife
Sub Major Head	01- Forestry
Minor Head	102- Receipts from Social and Farm Forestry
Sub Head	03- Green Punjab Mission
Detailed Head	01-Green Punjab Mission Fees

- 2) The project proponent shall install STP with upgraded MBR followed by UF technology and achieve BOD less than or equal to 10mg/l for its treated effluent to be used for on to land for plantation.
- 3) The PP will commence the tree plantation work within the project premises at the earliest and complete the same within 1 year. 8 ft tall plants of indigenous tree species should be used for plantation.

Item No. 260.06: Application for Environmental Clearance for expansion of residential housing project namely “AGI Sky Villas” in the revenue estate of Village Dad, Pakhowal road, Tehsil Ludhiana West & District Ludhiana (Proposal No. SIA/PB/INFRA2/430419/2023).

The Project Proponent was granted Environmental Clearance vide letter No. EC22B038PB135689 dated 13.07.2022 for establishment of a residential housing project namely “AGI Sky Villas” having built up area of 1,48,406 sqm in a total land area of 49800.2 sqm. The project was covered under category 8(a) of the schedule appended with the EIA Notification dated 14.09.2006. The said Environmental Clearance was granted for carryout the construction of 9 towers having 448 No. of flats.

The Project Proponent was granted Terms of Reference vide letter No. 59 dated 16.01.2023 for expansion of construction of a residential housing project namely “AGI Sky Villas” at revenue estate of Village Dad, Pakhowal road, Tehsil Ludhiana West & District Ludhiana.

The Project Proponent has applied for obtaining Environmental Clearance for expansion of residential housing project namely “AGI Sky Villas” at revenue estate of Village Dad, Pakhowal road, Tehsil Ludhiana West & District Ludhiana. The land area of the project is 49800.2 sqm having built up area increase from 1,48,406 sqm to 3,28,282.93 sqm. The project is now covered under category 8(b) of the schedule appended with the EIA Notification dated 14.09.2006.

The Project Proponent proposed to carryout expansion in vertical manner and addition of one new tower. After expansion, there will be 815 No. of flats in 10 towers.

The Project Proponent has submitted compliance of Terms of Reference and Certified compliance report issued by MoEF&CC vide dated 26.04.2023, PFR & other relevant documents through Parivesh Portal. He has also deposited Rs. 7195/- UTR No. PUNBH22364125451 dated 28.12.2022 and Rs. 37,775/- vide UTR No. PUNBH23006347377 dated 06.01.2023 and Rs. 1,34,907/- vide UTR No. PUNBH23139017589 dated 19.05.2023. The adequacy of the fee has been checked & verified by the supporting staff of SEIAA.

The latest construction status report furnished by Punjab Pollution Control Board vide letter No. 4773 dated 21.08.2023 is as under:

“The proposed site of the subject cited project was visited by officer of the Board on 10.08.2023.

The point wise reply of the comments sought by SEIAA from this office relating to the proposal of the subject, is given under:

Sr. No.	Report of point sought by SEIAA	Remarks
1.	Construction status of the proposal. Please send the clear-cut report as to whether construction for the project has been started for the project except for securing the land.	<ol style="list-style-type: none"> 1. The proposed site is located at village Daad. 2. The project proponent has started construction activity related to project. During visit it was observed that the project proponent has constructed raft foundation of few blocks and was undergoing construction of first and second floor of few blocks. During visit the project proponent has not carried out any construction of 10th tower.
2.	Status of physical structures within 500 m radius of the site including the status of industries, drain, river, eco-sensitive structure, if any.	<p>The following units are located within 500 m radius of the unit:</p> <ol style="list-style-type: none"> 1. No rice shelter/ stone crusher/ hot mix plant/ cement grinding unit/ brick kiln exist within 500 m from the proposed site. 2. There is no jaggery, exist within 100m of the site. 3. There is no drain passing within or adjoining the site. 4. There is no common bio-medical treatment facility within 500m. 5. There is no eco-sensitive zone within 500m 6. There is no MAH industry existing within 250m. 7. There is no petroleum outlet exist adjoining the proposed site and boundary wall of the proposed site within 100m radius.
3.	Whether the site meets with the prescribed criteria for setting up of such projects.	The proposed site is complying with the sitting guidelines farmed by the Government of Punjab for such project.

The comparison (Land area, Build-up area, Waste Water generation and waste water discharge into sewer) of previous granted EC to the project proponent (3rd EC) with the current EC application is as under:-

Components	Environment Clearance	
	Previous EC Obtained	Proposal as per EC

Land Area	49800.2 sqm	49800.2 sqm
Build-up area	148406 sqm	328282.93 sqm
Total No of Flats	448	815
Waste Water Generation	178 KLD	460
STP Purposed	400 KLD	650
Waste Water Discharge into Sewer	125 KLD into sewer	265 KLD into sewer

It is estimated that the PP has given undertaking as under:1.That we will connect the sewer of our residential colony for discharge of its effluent of STP to the main sewer line of GLADA at Pakhowal Road at our own cost as per the condition of NOC issued by the GLADA, after obtaining the NOC from respective departments.2.That,all the dues have since been paid to GLADA in lump sum on account of EDC, which includes charges on account of sewerage connection to the project.3.That,in case, the permission for discharge of effluent into the sewer line of GLADA and/or its disposal to the terminal is denied by the concerned authority/ respective department at any stage, we will obtain fresh "Consent to Establish" (NOC) from pollution angle along with concrete proof for alternate mode of disposal of treated effluent , like availability of adequate land for utilizing treated effluents for plantation or to adopt other environmentally sound effluent disposal arrangement."

Deliberations during 257th meeting of SEAC held on 28.08.2023.

The meeting was attended by the following:

- (i) Sh. BS Sandhva, Authorized signatory M/s AGI Sky Villas.
- (ii) Sh. Sital Singh, Environmental Consultant M/s CPTL.
- (iii) Dr. Rajnish Sharma, Environmental Consultant M/s CPTL.

The Committee allowed the Environmental Consultant to present the salient features of the application proposal. Thereafter, the Environmental Consultant presented the case as under:

Sr. No.	Description	Details
1	Basic Details	
1.1	Name of Project & Project Proponent:	'AGI Sky Villas' by M/s AGI Infra Ltd. Sh. Balvinder Singh Sandha Chief Financial Officer
1.2	Proposal:	Expansion

1.3	Location of Industry:	Village- Dad, Pakhowal road, Tehsil & District- Ludhiana, Punjab			
1.4	Details of Land area & Built up area:	Details of Land area & Built up area:			
		Description	As Per EC	Proposed	After Expansion
		Land Area	49800.2 m ²	Nil	49800.2 m ²
		Builtup Area	1,48,406 m ²	1,79,876.93 m ²	3,28,282.93 m ²
1.5	Category under EIA notification dated 14.09.2006	8(b)			
1.6	Cost of the project	Details	As Per EC	Proposed	After Expansion
		Cost	Rs. 197.5	Rs. 56.5	Rs. 254
1.7	Compliance of Public Hearing Proceedings	NA			
2.	Site Suitability Characteristics				
2.1	Whether site of the industry is suitable as per the provisions of Master Plan:	Not submitted.			
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 for permission for change of land use vide letter No.321 dated 16.03.2023 issued by GLADA for total land measuring of 12.306 acres for residential group housing 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, in this regard, the promoter company has submitted an undertaking in the prescribed proforma.			
3.2	Whether the industry required clearance under the provisions of Punjab Land Preservation Act (PLPA) 1900:	No, in this regard, the promoter company has submitted an undertaking in the prescribed proforma.			
3.3	Whether industry required clearance	No, in this regard, the promoter company has submitted an undertaking in the prescribed proforma.			

	under the provisions of Wildlife 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)	No, the project does not fall within any eco-sensitive zone.																												
3.6	Green area requirement and proposed No. of trees:	<table border="1"> <thead> <tr> <th>Details</th> <th>As Per EC</th> <th>Proposed</th> <th>After Expansion</th> </tr> </thead> <tbody> <tr> <td></td> <td>12526 m²</td> <td>Nil</td> <td>12526 m²</td> </tr> </tbody> </table> <p>No. of trees to be planted in 49800.2 m² = 49800.2/80= 623 plants</p>	Details	As Per EC	Proposed	After Expansion		12526 m ²	Nil	12526 m ²																				
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4	Population																													

4.2	Population details	Details	As Per EC	Proposed	After Expansion
		Population	3190	1,435	4625
		Population of flats along with School & Maintenance has been considered.			
5	Water				
5.1	Total water requirement:				
	Sr. No.	Season	Flushing(KLD)	Green Area (KLD)	Into Sewer (KLD)
	As per previous EC				
	1.	Summer	47	69	62
	2.	Winter	47	23	108
	3.	Rainy	47	6	125
	As per Proposal				
	1.	Summer	189	69	202
	2.	Winter	189	23	248
	3.	Rainy	189	6	265
5.2	Source:	Ground Water			
5.3	Whether Permission obtained for abstraction/supply of the fresh water from the Competent Authority (Y/N) Details thereof	Application has been filed to PWRDA for obtaining permission for the abstraction of groundwater for project. Complete set of application filed to PWRDA along with acknowledgment submitted.			
5.4.1	Total wastewater generation:	Details	As Per EC	Proposed	After Expansion
		Wastewater generation	178	282	460
5.4.2	Treatment methodology for domestic wastewater: (STP capacity, technology & components)	460 KLD of waste water from the project will be taken to S.T.P. of 650 KLD through underground delivery system and treated to tertiary level			
5.5	Total water requirement	Details	As Per EC	Proposed	After Expansion
		Total water	223	352	575
5.5.1	Treatment methodology for industrial wastewater: (ETP capacity, technology & components)	460 KLD of waste water from the project will be taken to S.T.P. of 650 KLD through underground delivery system and treated to tertiary level			

5.8	Rain water harvesting proposal:	Rain water harvesting system have been proposed for artificial rain water recharge within the project premises.			
6	Air				
6.1	Details of Air Polluting Machinery and APCDs installed are as under:	NA			
7	Waste Management				
7.1	Total quantity of solid waste generation	Details	As per EC	Proposed	After Expansion
		Solid Waste	1151 kg/day	766 kg/day	1917 kg/day
		Solid waste to the tune of about 1917 Kg / day will be generated from the project after its full occupancy, which will be segregated into bio-degradable and non-biodegradable component of the solid waste by the respective household by providing Colored bins as per the SWM Rule, 2016.			
7.2	Details of management and disposal of solid waste (Mechanical Composter/Compost pits)	The bio-degradable component of the solid would be treated by providing an on-site composting facility. The non-biodegradable would be sent to the Material Recovery Facility of MC, Ludhiana.			
8	Energy Saving & EMP				
8.1	Power Consumption:	Details	As per EC	Proposed	After Expansion
		Power (KW)	2239	2100	4339
		Total power demand for the proposed project will be 4339 KW which will be provided by Punjab State Power Corporation Limited (PSPCL).			
8.2	Energy saving measures:	<ul style="list-style-type: none"> • Saving on light point by using 30W LED instead of 40 W tubes @ 25% = 175 KW • By using solar energy for outer Lighting= 75 KW • Solar Panel for power generation (roof top 500 KW) = 500 KW Total = 750 KW			
8.3	Details of activities under Environment Management Plan.				
	Constructional Phase-				
	SR. NO.	PARTICULARS	APPROX. CAPITAL COST (Rs LAC)	APPROX. RECURRING COST (Rs LAC)	ITEMS COVERED

1.	Medical Cum First Aid	2.5	1.0	First aid medical facility with first aid kit
2.	Toilets for workers	2.0	0.5	Toilets with septic tank
3.	Wind breaking curtains	5.0	0.5	Wind breaking walls at vulnerable areas
4.	Sprinklers for suppression of dust	3.0	1.0	Sprinklers, Pipeline
5.	Sewage Treatment Plant	110.0	---	Construction of STP
6.	Solid waste Management	20.0	--	Making arrangement for solid waste segregation & disposal
7.	Green belt development	7.0	--	Land scaping & tree plantation
8.	Rain water harvesting	20.0	--	Construction rain water harvesting well & channel
TOTAL COST		Rs 169.5	Rs 3.0	

OPERATION PHASE:

SR. NO.	PARTICULARS	RECURRING COST (Rs. LAC)	ITEMS COVERED
1.	Sewage Treatment Plant	10.0	Operation & maintenance of sewage treatment plant including salary of operators

	2.	Solid Waste segregation & disposal	8.0	Colored Bins at appropriate Locations
	3.	Green Belt including Lawns coverage	7.0	Development of green belt, watering & manuring
	4	RWH	5.0	Cleaning of channels & harvesting pits
	TOTAL		Rs. 30.0	

During meeting, the Committee perused the Certified Compliance report submitted by the Regional Office of MoEF&CC and observed that the said office vide letter dated 26.04.2023 addressed to Member Secretary, SEIAA raised certain observations related to the project and asked to take appropriate action. In this regard, the Committee asked the Project Proponent to submit the compliance of the observations raised by the MoEF&CC. The Project Proponent submitted the point wise compliance of the said observations as under:

Sr. No.	Observations	Action Taken/Reply
1.	PP has not submitted a valid copy of CTE	Consent to establish issued vide letter No. PBIP/I/576139/2023 dated 07.06.2023 for group housing project namely "AGI Sky Villas" submitted.
2.	PP has not submitted the approval of the Competent Authority for the structural safety of the whole structure.	Regarding the safety of structure, a copy of the structural safety certificate given by LIVEHOOAH technology (P) limited Gurugram Haryana is submitted.
3.	PP has not submitted installed a system to carryout ambient air quality monitoring yet.	The Project Proponent placed the order for installation to ambient air quality monitoring system & will install within month. The Project Proponent also made an agreement with NABL approved laboratory for monitoring of ambient air quality of the site monthly bases.
4.	PP has not uploaded a copy of EC conditions, including the results of monitoring data on the PP's website.	Copy of EC with conditions including the results of monitoring data has been uploaded on the website on the below mentioned link. https://www.agiinfra.com/agi-sky-garden/

The Committee was satisfied with the presentation and subsequent reply given by the Project Proponent and after detailed deliberations, the Committee decided to award '**Silver Grading**' to the project proposal and decided to forward the application of the project proponent to SEIAA with the recommendation to grant Environmental Clearance for expansion of residential housing project namely "AGI Sky Villas" in the revenue estate of Village Dad, Pakhowal road, Tehsil Ludhiana West & District Ludhiana, subject to the following standard conditions:

I. Statutory compliances:

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

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

II. Air quality monitoring and preservation

- i) Notification GSR 94(E) dated 25.01.2018 of MoEF&CC regarding Mandatory Implementation of Dust Mitigation Measures for Construction and Demolition Activities for projects requiring Environmental Clearance shall be complied with.
- ii) A management plan shall be drawn up and implemented to contain the current exceedance in the ambient air quality at the site.
- iii) The project proponent shall install a system to undertake Ambient Air Quality monitoring for common /criterion parameters relevant to the main pollutants released (e.g., PM10 and PM2.5) covering upwind and downwind directions during the construction period.
- iv) Diesel power generating sets proposed as a source of backup power should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use of low sulphur diesel would be the preferred option. The location of the DG sets may be decided in consultation with Punjab Pollution Control Board.
- v) Construction site shall be adequately barricaded before the construction begins. Dust, smoke and other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, and continuous dust/ wind-breaking walls all around the site (at least 3 m height or 1/3rd of the building height and maximum up to 10 m). Plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, murram and other construction materials prone to causing dust pollution at the site as well as taking out debris from the site.
- vi) No Excavation of soil shall be carried out without adequate dust mitigation measures in place.

- vii) No loose soil or sand or construction and demolition waste or any other construction material that causes dust shall be left uncovered.
- viii) No uncovered vehicles carrying construction material and waste shall be permitted.
- ix) All the topsoil excavated during construction activities should be stored for use in horticulture/landscape development within the project site.
- x) Grinding and cutting of building material in open areas shall be prohibited. A wet jet shall be provided for grinding and stone cutting.
- xi) Unpaved surfaces and loose soil shall be adequately sprinkled with water to suppress dust.
- xii) All construction and demolition debris shall be stored at the site within the earmarked area and roadside storage of construction material and waste shall be prohibited. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules 2016.
- xiii) The diesel generator sets to be used during the construction phase shall be low sulphur diesel type and shall conform to the norms and regulations prescribed under air and noise emission standards.
- xiv) The gaseous emissions from the DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate noise pollution. Low sulphur diesel shall be used. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.
- xv) For indoor air quality, the ventilation provisions as per the National Building Code of India shall be complied with.
- xvi) Roads leading to or at the construction site must be paved and blacktopped (i.e., metallic roads should be built and used).
- xvii) Dust Mitigation measures shall be displayed prominently at the construction site for easy public viewing.
- xviii) Construction and Demolition Waste Processing and Disposal site shall be identified and required dust mitigation measures will be notified at the site

III. Water quality monitoring and preservation

- i) The natural drainage system should be maintained for ensuring unrestricted flow of water.
- ii) No construction shall be allowed which obstructs the natural drainage through the site, in wetland and water bodies. Check dams, bio-swales, landscape, and other sustainable

urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rainwater.

- iii) Buildings shall be designed to follow the natural topography as far as possible. Minimum cutting and filling should be done.
- iv) The total freshwater use shall not exceed the proposed requirement as mentioned in the application proposal.
- v) 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.
- vi) 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.
- vii) The project proponent shall ensure a safe drinking water supply to the habitants. Adequate treatment facility for drinking water shall be provided, if required.
- viii) 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.
- ix) 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.
- x) 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.
- xi) Dual pipe plumbing shall be installed for supplying fresh water for drinking, cooking and bathing, etc. and other for supply of recycled water for flushing, landscape irrigation, car washing, thermal cooling, air conditioning etc.
- xii) 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.

- xiii) 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.
- xiv) 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

- xv) Water demand during construction should be reduced by the use of pre-mixed concrete, curing agents, and adopting other best practices.
- xvi) 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. The groundwater shall not be withdrawn without approval from the Competent Authority.
- xvii) All recharge should be limited to shallow aquifers.
- xviii) 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.

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

IV. Noise monitoring and prevention

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

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

V. Energy Conservation measures

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

VI. Waste Management

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

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

VII. Green Cover

- i) No naturally growing tree should be felled/transplanted unless exigencies demand. Where absolutely necessary, tree felling shall be with prior permission from the concerned regulatory authority. Old trees should be retained based on girth and age regulations as may be prescribed by the Forest Department.
- ii) At least a single line plantation all around the boundary of the project as proposed shall be provided. The open spaces inside the plot should be suitably landscaped and covered with vegetation of indigenous species/variety. The project proponent shall ensure the planting of 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. The plantation to be carried out under Karnal Technology shall be in addition to the green area plantation of the project.

- 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 following activities under EMP and environmental conditions along with the responsibility matrix of the company shall be prepared and shall be duly approved by the competent authority.

Constructional Phase-

SR. NO.	PARTICULARS	APPROX. CAPITAL COST (Rs LAC)	APPROX. RECURRING COST (Rs LAC)	ITEMS COVERED
1.	Medical Cum First Aid	2.5	1.0	First aid medical facility with first aid kit
2.	Toilets for workers	2.0	0.5	Toilets with septic tank
3.	Wind breaking curtains	5.0	0.5	Wind breaking walls at vulnerable areas
4.	Sprinklers for suppression of dust	3.0	1.0	Sprinklers, Pipeline
5.	Sewage Treatment Plant	110.0	---	Construction of STP
6.	Solid waste Management	20.0	--	Making arrangement for solid waste segregation & disposal
7.	Green belt development	7.0	--	Land scaping & tree plantation
8.	Rain water harvesting	20.0	--	Construction rain water harvesting well & channel

TOTAL COST	Rs 169.5	Rs 3.0	
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OPERATION PHASE:

SR. NO.	PARTICULARS	RECURRING COST (Rs. LAC)	ITEMS COVERED
1.	Sewage Treatment Plant	10.0	Operation & maintenance of sewage treatment plant including salary of operators
2.	Solid Waste segregation & disposal	8.0	Colored Bins at appropriate Locations
3.	Green Belt including Lawns coverage	7.0	Development of green belt, watering & manuring
4	RWH	5.0	Cleaning of channels & harvesting pits
TOTAL		Rs. 30.0	

XI. Validity

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

XII. Miscellaneous

- i) The project proponent shall obtain a completion and occupancy certificate from the Competent Authority and submit a copy of the same to the SEIAA, Punjab before allowing any occupancy.
- ii) The project proponent shall comply with the conditions of CLU, if obtained.
- iii) The project proponent shall prominently advertise in at least two local newspapers of the District or State, of which one shall be in the vernacular language within seven days indicating that the project has been accorded environment clearance and the details of MoEF&CC/SEIAA website where it is displayed.

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

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

XIII. Additional Conditions

- i) The approval is based on the conceptual plan/drawings submitted with the application. In case, there is variation in built-up area/green area/ any other details in the drawings approved by the competent authority, the Project Proponent shall obtain the revised Environmental Clearance.
- ii) The Project Proponent shall ensure that the natural drainage channels in the project site including streams, drains, choes, creeks, rivulets, etc. are not disturbed so that the natural flow of rainwater, etc is not impeded or disrupted in any manner.
- iii) Authorization from Punjab Pollution Control Board shall be obtained as applicable under the Bio-Medical Waste Management Rules 2016 as amended from time to time.
- iv) The solid waste other than Bio-Medical Waste & Hazardous Waste (dry as well as wet garbage) generated should be properly collected and segregated before disposal to Municipal Authorities in accordance with the Municipal Solid Waste (Management & Handling) Rules, 2000. No municipal waste should be disposed off outside the premises in contravention of relevant rules and by-laws. Adequate measures should be taken to prevent any malodour in and around the Project premises.
- v) In the event that the project proponent decides to abandon/close the Project at any stage, he shall submit an application in the prescribed form along with requisite documents through Parivesh to SEIAA for surrendering the Environmental Clearance as per the procedure prescribed in OM dated 29.03.2022 issued by the MoEF&CC. The project proponent shall be accountable for adherence/compliance of the EC conditions till such time as the project is finally closed by SEIAA, based upon the certified closure report of Integrated Regional Offices (IROs) of MoEF&CC, Chandigarh/PPCB.
- vi) This Environmental Clearance is liable to be revoked without any further notice to the Project Proponent in case of failure to comply with condition (v) above.
- vii) Concealing factual data or submission of false/fabricated data may result in revocation of this Environmental Clearance and attract action under the provisions of Environment (Protection) Act, 1986.
- viii) The Project Proponent shall manage the solid waste generated from the project as per the sub-rule-7 of rule-4 of SWM Rules 2016.
- ix) The Ministry reserves the right to stipulate additional conditions if found necessary. The Promoter Company in a time bound manner shall implement these conditions.

- x) The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and other wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India/High Courts and any other Court of Law relating to the subject matter.
- xi) Any appeal against this Environmental Clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

Deliberations during 260th meeting of SEIAA held on 12.09.2023

The case was considered by SEIAA in its 260th meeting held on 12.09.2023 which was attended by the following:

- (i) Sh. Sukhdev Singh, Managing Director, M/s AGI Sky Villas.
- (ii) Sh. Sital Singh, Environmental Consultant M/s CPTL.
- (iii) Dr. Ranjna Sharma, Environmental Consultant M/s. Chandigarh Pollution Testing Laboratory.

Before allowing the Environmental Consultant to present the salient features of the project, SEIAA inquired about the status of compliance in respect of the observations made by the Regional Office of the MOEF&CC in its "Certified Compliance Report". In this regard, Project Proponent informed that the certified compliance report of the project was also discussed during the meeting of SEAC held on 28.08.2023, wherein point wise reply to the issues highlighted in the said report were provided and that SEAC was satisfied with the action taken regarding the same. SEIAA perused the reply submitted by the project proponent and observed that most of the observations of the Regional office of the MOEF&CC have since been complied with by the PP.

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

SEIAA observed that the no. of trees proposed to be planted was significantly lower than the prescribed norm of at least 1 tree per 225 sqm of built-up area. Environmental consultant informed that they will rectify the mistake and ensure plantation of 1460 trees instead of earlier

proposed 623 trees within the Project area. In this regard, the project proponent submitted revised plan along with its dimensions for plantation of 1460 trees. SEIAA perused the revised plan and was satisfied with the same.

In light of the increase in the number of trees, the revised EMP plan was submitted by the project proponent as under:

SR. NO.	PARTICULARS	Construction Phase		Operation phase (Recurring Cost)
		APPROX. CAPITAL COST (Rs LAC)	APPROX. RECURRING COST (Rs LAC)	
1.	Medical Cum First Aid	2.5	1.0	-
2.	Toilets for workers	2.0	0.5	-
3.	Wind breakingcurtains	5.0	0.5	-
4.	Sprinklers for suppression of dust	3.0	1.0	-
5.	Sewage Treatment Plant	110.0	---	20.0
6.	Solid waste Management	20.0	--	8.0
7.	Green belt and landscaping No. of trees: 1460	14.60	--	29
8.	Rain water harvesting	20.0	--	5.0
9	Additional Environmental Activities *	138		116.4
TOTAL COST			Rs 3.0	178.4

To another query of SEIAA regarding AEA activities, the environmental consultant submitted the amended AEA activities as under:

Table-1

S. No.	CER ACTIVITY	CAPITAL COST	RECURRING COST
1	Avenue plantation/Plantation in Community areas: 4000 trees plantation and their maintenance for 5 years	Rs 40 Lacs	Rs 8.0 Lacs
2	Solar Power Electrification: 40 solar lights @ Rs. 25,000/- per light plus cost of installation of poles @Rs. 20,000/- per pole	Rs 18.0 Lacs	Rs 3.6 Lacs
3	Pollution Control / Environment Protection-Dust mitigation Truck mounted road sweeper.	Rs 80.0 Lacs	Rs 104.80 Lacs
TOTAL		Rs 254.4 Lacs	

SEIAA was satisfied with reply of the project proponent. A copy of the revised presentation submitted by project proponent was also taken on record.

After detailed deliberations and examination of relevant documents, SEIAA decided to accept the recommendations of SEAC and grant Environmental Clearance for expansion of residential housing project namely "AGI Sky Villas" located in the revenue estate of Village Dad, Pakhowal road, Tehsil Ludhiana West & District Ludhiana, in land area of 49,800.2 sqm and built-up area of 3,28,282.93 sqm as per the details mentioned in the application and subsequent presentation /clarifications made by the project proponent and his consultant with proposed measures and subject to the conditions proposed by SEAC and amended/additional conditions as under:

Amended Condition no. iii) of the Environmental Management Plan

- III. An action plan for implementing the following activities under 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 year marked for Environmental Protection shall be kept in separate account and not to be diverted for any

purposes. The project proponent shall spend the following amount towards the capital cost and recurring cost in the construction phase of the project:

SR. NO.	PARTICULARS	Construction Phase		Operation phase (Recurring Cost)
		APPROX. CAPITAL COST (Rs LAC)	APPROX. RECURRING COST (Rs LAC)	
1.	Medical Cum First Aid	2.5	1.0	-
2.	Toilets for workers	2.0	0.5	-
3.	Wind breakingcurtains	5.0	0.5	-
4.	Sprinklers for suppression of dust	3.0	1.0	-
5.	Sewage Treatment Plant	110.0	---	20.0
6.	Solid waste Management	20.0	--	8.0
7.	Green belt and land scaping No. of trees: 1460	14.60	--	29
8.	Rain water harvesting	20.0	--	5.0
9	Additional Environmental Activities *	138		116.4
TOTAL COST		315.10	Rs 3.0	178.4

*AEA Activities:

Table-1

S. No.	CER ACTIVITY	CAPITAL COST	RECURRING COST
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1	Avenue plantation/Plantation in Community areas: 4000 trees plantation and their maintenance for 5 years	Rs 40 Lacs	Rs 8.0 Lacs
2	Solar Power Electrification: 40 solar lights @ Rs. 25,000/- per light plus cost of installation of poles @Rs. 20,000/- per pole	Rs 18.0 Lacs	Rs 3.6 Lacs
3	Pollution Control / Environment Protection-Dust mitigation Truck mounted road sweeper.	Rs 80.0 Lacs	Rs 104.80 Lacs
TOTAL		Rs 254.4 Lacs	

Additional Condition

- 1) The PP will commence the tree plantation work within the project premises at the earliest and complete the same within 1 year. 8 ft tall plants of indigenous tree species should be used for plantation.

Item No. 260.07: Application for amendment in Terms of Reference (TOR) of existing Steel manufacturing unit namely "M/s Lord Mahaveer Industries Pvt. Ltd." located at GT Road (Sirhind Side), Near Gian TMT Mills, Mandi Gobindgarh, Distt. Fatehgarh Sahib, Punjab. (SIA/PB/IND/302870/2023).

The industry was granted consent to operate under the provisions of the Water Act 1974 and Air Act 1981 for the manufacturing of steel ingots/billets/MS flats bars @ 84 MTD, which are valid up to 30.09.2023.

The industry was granted Terms of Reference vide Letter no. SEIAA/MS/2022/5132 dated 02.03.2022 for installation of one Induction Furnace of capacity 10 TPH after replacing existing Induction Furnace of capacity 7 TPH.

The industry has applied for amendment in Terms of Reference for change of planning to install Induction Furnace of capacity 20 TPH instead of 10 TPH Induction furnace. The industry has submitted Form-I & Pre-Feasibility Report and other relevant documents through Parivesh Portal. The total cost of the project is Rs. 19.372 Crores. The industry had deposited Rs. 48,430/- (@ 25% of applicable fees) vide NEFT No. CBINH22019174610 dated 19.01.2022. The adequacy of the fee has been checked & verified by the supporting staff of SEIAA.

Deliberations during 257th meeting of SEAC held on 28.08.2023.

The meeting was attended by the following:

- (i) Mr. Balram Gupta, Director M/s Lord Mahaveer Industries Pvt Ltd.
- (ii) Dr. Sandeep Garg, EC-Coordinator M/s Eco Paryavaran Laboratory Pvt Ltd.

The Committee was satisfied with the presentation given by the Project Proponent and after detailed deliberations, SEAC decided to forward the application proposal to SEIAA with recommendation to grant proposed amendment in Terms of Reference.

Deliberations during 260th meeting of SEIAA held on 12.09.2023

The case was considered by SEIAA in its 260th meeting held on 12.09.2023 which was attended by the following:

- i) Mr. Balram Gupta, Director M/s Lord Mahaveer Industries Pvt Ltd.
- ii) Dr. Sandeep Garg, EC-Coordinator M/s Eco Paryavaran Laboratory Pvt Ltd.
- iii) Mrs. Jyoti Rani, EIA Coordinator, M/s Eco laboratories Pvt. Ltd.

Environmental Consultant requested to issue amendment in the earlier granted Terms of Reference vide Letter no. SEIAA/MS/2022/5132 dated 02.03.2022 for installation of Induction Furnace of capacity 20 TPH by replacing the induction furnace of capacity 10 TPH.

After detailed deliberations SEIAA decided to accept the recommendation of SEAC and issue the following amendment in **Terms of Reference (ToR)** of existing Steel manufacturing unit namely “M/s Lord Mahaveer Industries Pvt. Ltd.” located at GT Road (Sirhind Side), Near Gian TMT Mills, Mandi Gobindgarh, Distt. Fatehgarh Sahib, Punjab subject to the same ToR as earlier granted to it:

Sr. No.	Particulars				After amendment
1.	Power Required (After Expansion)				10,000 KW
2.	Source of Power				Will be supplied by PSPCL
3.	Raw Material requirement (After amendment)				
	Sr. No.	Raw Material	Existing (TPD)	Additional (TPD)	Total After expansion (TPD)
	1.	MS Scrap, & Ferro Alloys	88	232	320
4.	Production Capacity (After amendment)				
	Sr. No.	Product Name	Existing (TPD)	Additional (TPD)	Total After expansion (TPD)
	1.	Steel Ingots/billets or Flats/Bars	84 TPD of Billets/Ingots/ Flats/Bars	216 TPD of Billets/Ingots/ Flats/Bars	300 TPD of Billets/Ingots/ Flats/Bars
5.	Details of major productive machinery/plant (After amendment)				
	Sr. No.	Particulars	Existing	Proposed	After Expansion
	1.	Induction Furnace	1x7 TPH (Upgraded)	1X20 TPH (Replacement of Existing IF)	1X20 TPH,
	2.	Rolling mill	01	-	01

Item No. 260.08: Application for amendment in Environmental clearance under EIA notification dated 14.09.2006 for the expansion of group housing project namely "Sushma Crescent" in the revenue estate of Zirakpur, Tehsil Derabassi, Distt. Mohali by M/s Sushma Buildtech Ltd (Proposal No. SIA/PB/MIS/300744/2023).

The Project Proponent was granted Environmental Clearance vide letter No. SEIAA/2446 dated 25.05.2016 for the expansion of group housing project namely "Sushma Crescent" in the revenue estate of Zirakpur, Tehsil Derabassi, Distt. Mohali by M/s Sushma Buildtech Ltd. (Proposal no. SIA/PB/NCP/32360/2015). The total land area of the project is 10.309 acres and built up area of 97,966 sqm.

The Project Proponent has applied for amendment in Environmental Clearance under EIA notification dated 14.09.2006 namely "Sushma Crescent" in the revenue estate of Zirakpur, Tehsil Derabassi, Distt. Mohali. The total land area of the project is 10.309 acres having increase in the built-up area from 97,966 sqm to 99899 sqm. The project is covered under category 8(a) of the schedule appended with the EIA Notification dated 14.09.2006.

The Project Proponent has submitted Form-4, Covering letter, conceptual plan & six-monthly through Parivesh Portal. He has also deposited Rs. 3905/- vide UTR No. IMPS/P2A/320716213827 dated 26.07.2023. The adequacy of the fee has been checked & verified by the supporting staff of SEIAA.

Deliberations during 257th meeting of SEAC held on 28.08.2023.

The meeting was attended by the following:

- (i) Mr. Akashdeep Sethi, Authorized signatory M/s Sushma Buildtech Ltd.
- (ii) Mr. Deepak Gupta, Environmental Advisor.
- (iii) Dr. Rajnish Sharma, Environmental Consultant M/s CPTL.

The Committee allowed the Environmental Consultant to present the salient features of the amendment proposal. Thereafter, the Environmental Consultant presented the case as under:

Table-1

Sr. No.	Description	As per previous EC	After amendment
1.	Built up area	97966 sqm	99899 sqm
2.	Flats	765	764
3.	Shops	Not mentioned in EC	6 No.
4.	Fresh water required	631 KLD	344 KLD
5.	Domestic water required	765 KLD	516 KLD
6.	Wastewater generation	612 KLD	413 KLD
6.	Green area (Rainy season)	Nil	3 KLD
6.	Flushing water required	134 KLD	172 KLD
7.	Discharge in to sewer	478 KLD	238 KLD
8.	MSW	1533 Kg/day	1531 Kg/day

The Committee asked the Project Proponent to explain the increase in built-up area of the project despite decrease in the No of flats. In this regard, the Project Proponent apprised the Committee that the size of the flats has been increased which leads to overall increase in the built-up area.

The Project Proponent further apprised the Committee that the water demand was considered @200 lpcd for estimating the total water requirement of the project as per the earlier granted Environmental Clearance has been revised @135 lpcd. As per earlier EC, the total water requirement comes out to be 765 KLD (765 flats x 5 person/flat x 200 lpcd) which has been revised to 516 KLD (764 Flats x 5 person/flat x 135 lpcd). The wastewater generation, treated wastewater utilization for green area and excess treated wastewater discharged into sewer have also been revised accordingly. The Committee noted the same and was satisfied with the clarification given by the Project Proponent.

After detailed deliberations, SEAC decided to forward the case to SEIAA with recommendation to grant to proposed amendment in Environmental Clearance.

Deliberations during 260th meeting of SEIAA held on 12.09.2023

The case was considered by SEIAA in its 260th meeting held on 12.09.2023 which was attended by the following:

- i) Mr. Akashdeep Sethi, Authorized signatory M/s Sushma Buildtech Ltd.
- ii) Mr. Deepak Gupta, Environmental Advisor.
- iii) Sh. Sital Singh, Environmental Consultant M/s CPTL.

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

During the meeting, it was informed that the project is under construction phase and 80% of the construction has already been completed and certain amendments are required due to change in layout plan as per the details mentioned in above Table 1.0 presented before SEAC. SEIAA observed that built-up area of the project has marginally increased from 97,966 sqm to 99,899 sqm whereas the project population has marginally decreased by 5 persons i.e. from 3,825 to 3,820 persons. The revised water requirement has been significantly lowered by using the norm of 135 Lt/day/person (against earlier quantity of 200 Lt/person/day). Consequently, the quantities of domestic water requirement, fresh water, flushing water, waste water generation have all been substantially reduced.

On query by SEIAA, Environment Consultant of the Project Proponent informed that they are regularly submitting the 6 monthly compliance of conditions of the earlier granted EC. Environmental consultant of the promoter company presented the report on compliance of the conditions of Environmental Clearance granted to the project. Project Proponent / Environmental Consultant also assured that all stipulated conditions of the EC would be fully implemented.

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

After detailed deliberations, SEIAA decided to accept the recommendations of SEAC and amend Environmental Clearance granted vide no. SEIAA/2446 dated 25.05.2016 for expansion of group housing project namely "Sushma Crecent" to be established in the revenue State of Zirakpur, Teshsil Derabassi, District Mohali by M/s Sushma Build Tech Limited.as per the

Table-1 given above with all other details and conditions remaining the same as in the original
EC.

Item No. 260.09: Application for amendment in Environmental Clearance under EIA Notification dated 14.09.2006 for manufacturing of steel unit located at Village Khumna, Amloh Road, Mandi Gobindgarh, District Fatehgarh Sahib by M/s Har Har Mahadev Concast, (Proposal No. SIA/PB/IND/303059/2023).

The industry is an existing unit and was granted Consent to Operate under the provisions of Water Act, 1974 & Air Act, 1981, which was valid up to 19.01.2023.

The industry was granted Environment Clearance, MoEF&CC vide letter No. J-11011/194/2011-IA-II(I) dated 26.09.2012 for carrying out expansion of Induction furnace (54 TPD to 294 TPD) and rolling mill (100 TPD to 200 TPD) to manufacture 294 MTD of MS Ingots/billets/castings and 200 MTD of rolled products at Village Khumna, Amloh Road, District Fatehgarh Sahib in the name of M/s Neelkanth Concast Steel Pvt Ltd. The industry has proposed to install induction furnace of capacity 20 TPH in addition to the existing induction furnace of capacity 4.5 TPH.

Further, the industry was granted transfer of Environmental Clearance under EIA Notification dated 14.09.2006 vide SEIAA letter No. SEIAA/2018/1445 dated 03.12.2018 in the name of M/s Har Har Mahadev Concast subject to the same conditions as mentioned in the earlier Environmental Clearance granted to it.

As per the application proposal for amendment, the industry has already upgraded the induction furnace capacity of 4.5 TPH to 6 TPH and installed induction furnace of capacity 10 TPH instead of 20 TPH. Further, the industry has proposed to upgrade the existing 6TPH Induction Furnace to 10TPH.

The industry is covered under category 3(a) of the schedule appended with the EIA Notification dated 14.09.2006. The industry has submitted Form-4, PFR and other relevant documents through Parivesh Portal. The total cost of the project is Rs. 15 Crore. In this regard, the industry has also deposited Rs. 1,50,000/- vide UTR no.- N177232517734575 dated 26.06.2023. The adequacy of the fee has been checked & verified by the supporting staff of SEIAA.

The industry was granted Environmental Clearance by MoEF&CC subject to the specific conditions. As per the specific condition at (i), the industry shall install bag filter etc to control the particulate emissions below 50 mg/Nm³. The industry has mentioned in the proposal that the said standard is not application to the said unit due to the following reasons:-

1. The MOEF&CC, New Delhi vide notification no. GSR 742(E) dated 30.08.1990 has laid down emission standards of 150mg/Nm³ for Induction Furnaces in respect of Particulate Matter.
2. Mandi Gobindgarh city (within MC limits) has been declared as non-attainment city by the CPCB and in the action plan for control of air pollution within the MC limits of Mandi Gobindgarh, an action plan has been prepared wherein it has been mentioned to achieve emission standards of 150mg/Nm³ in respect of Particulate matter.
3. The unit is located at a distance of 3.4km from MC limits of Mandi Gobindgarh.

Therefore, the emission standards to be achieved in respect of PM for our unit should be 150mg/Nm³ instead of 50mg/Nm³.

Deliberations during 257th meeting of SEAC held on 28.08.2023.

The meeting was attended by the following:

- (i) Sh. Sukhwinder Singh, Manager M/s Har Har Mahadev Concast.
- (ii) Dr. Rajnish Sharma, Environmental Consultant M/s CPTL.

The Committee was satisfied with the presentation and subsequent reply given by the Project Proponent and after detailed deliberations, SEAC decided to forward the application proposal to SEIAA with recommendation to grant proposed amendment in Environment Clearance.

Deliberations during 260th meeting of SEIAA held on 12.09.2023

The case was considered by SEIAA in its 260th meeting held on 12.09.2023 which was attended by the following:

- (i) Sh. Sukhwinder Singh, Manager M/s Har Har Mahadev Concast.
- (ii) Dr. Ranjna Sharma, Environmental Consultant M/s. Chandigarh Pollution Testing Laboratory.
- (iii) Sh. Sital Singh, Environmental Consultant M/s CPTL.

Before allowing the Environmental Consultant to present salient features of the project, to a query of SEIAA, Environmental Consultant informed that the validity of the earlier granted Environmental Clearance is up to 26.09.2019.

SEIAA observed that since the validity period of the earlier granted EC has already expired, Environmental Clearance granted to the project proponent by the Ministry cannot be amended at this point of time.

After detailed deliberation, SEIAA decided that the project proponent be asked to apply for fresh Environmental Clearance on the Parivesh Portal for its revised proposal and not to start construction without obtaining the Environmental Clearance under the provisions of the EIA notification dated 14.09.2006 as amended from time to time.

Item No. 260.10: Application for Environmental Clearance for carrying out mining of minor minerals (sand) at Village Mehlanwali, Tehsil & District Hoshiarpur by Executive Engineer cum District Mining Officer, Drainage-cum-Mining & Geology Division, Water Resources Department, Hoshiarpur Division. (Proposal No. SIA/PB/MIN/423947/2023).

The Executive Engineer cum District Mining Officer, Drainage-cum-Mining & Geology Division, Water Resources Department, Hoshiarpur Division has applied for obtaining Environmental Clearance under category B2 and 1(a) of the Schedule appended with the EIA notification dated 14.09.2006 for carrying out mining of minor minerals (sand) at the mining site of Village Mehlanwali, Tehsil & District Hoshiarpur. The proposed site falls under River Bed mining site.

The Department has deposited requisite fee of Rs. 5000/-vide reference no. N088232390730705 dated 29.03.2023 for obtaining Environmental Clearance for carrying out mining in the above mining site. The adequacy & deposition of the requisite fee by the applicant has been checked & verified by the supporting staff of SEIAA. The Mining Plan was approved by Assistant Geologist, Punjab vide Letter No. Glg/Pb/M.P/Mahlanwali/907 dated 22.03.2023 for the permissible limit of extraction as per the said plan is 6819 TPA.

Deliberations during 248th meeting of SEAC held on 27.05.2023.

The meeting was attended by the following:

- (iv) Mr. Arshad Shaik, Senior Executive Technical M/s Right Source Industrial Solutions PvtLtd (Through VC).
- (v) Mr. Paras Mahajan, Asst. Geologist.
- (vi) Mr. Sandeep Kumar, SDO, Hoshiarpur

The Committee allowed the Environmental Consultant to present the salient features of the application proposal. Thereafter, the Environmental Consultant presented the case as under:

i)	Name of Applicant & Correspondence address: Mobile No: EmailID:	Sartaj Singh Randhawa, Executive Engineer-Hoshiarpur Drainage –cum-Mining & Geology Division, Hoshiarpur, WRD Punjab 9417900074 sartaj.randhawa074@punjab.gov.in
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ii)	Name of Environmental Consultant Mobile No. Email ID	Right Source Industrial Solutions Pvt. Ltd 8977495343 eiaemp@rightsource.co.in
iii)	Online Proposal No.	SIA/PB/MIN/423947/2023
iv)	Project Name & Location	Mehlanwali Sand Mining Project Village: Mehlanwali Tehsil- Hoshiarpur District- Hoshiarpur, State Punjab
v)	Project/activity covered under item of scheduled to the EIA Notification,14.09.2006	1(a) Mining of Minor Minerals

The details of the mining project are as under:

S.No.	Item	Details	
a.	Category of the Project as per the EIA notification dated 14.09.2006	B2	
b.	Hadbast No. of the Village	344	
c.	Khasra No. of the proposed mining site as per DSR viz a viz Khasra no. of mining site as per proposal	As per proposal following Khasra No. have been mentioned 37/11, 37/20/1, 38/15/1, 38/16/1, 38/16/2, 38/17/1, 38/18/1, 38/22/2, 38/23, 38/24, 38/25, 41/2, 41/3/1, 41/3/2, 41/4, 41/8, 41/9, 41/10, 41/11,41/12 Further, as per approved DSR, no khasra No. have been mentioned, however the Project Proponent mentioned in the application proposal that the proposed site is mentioned under Annexure-V in the category of Mehlanwali Choe at Serial No. 1 having code ML 01.	
d.	Whether the mining area is less than area mentioned in the DSR,(If yes) the proposed mining area shall be earmarked in the KML file with different color.	No, the Mehlanwali sand mining area mentioned in the DSR is same as per the proposal submitted.	
d.1	Area details as per Mining plan	6819 TPA	
e	Longitude & Latitude of the	<table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="text-align: center;">Geo-Coordinates of the Lease Area</td> </tr> </table>	Geo-Coordinates of the Lease Area
Geo-Coordinates of the Lease Area			

	mining site	<table border="1"> <thead> <tr> <th>Pillar No.</th> <th>Latitude</th> <th>Longitude</th> </tr> </thead> <tbody> <tr> <td>B.P 1</td> <td>31°30'4.88"</td> <td>75°59'24.98"</td> </tr> <tr> <td>B.P 2</td> <td>31°30'3.72"</td> <td>75°59'25.34"</td> </tr> <tr> <td>B.P 3</td> <td>31°29'55.44"</td> <td>75°59'13.30"</td> </tr> <tr> <td>B.P 4</td> <td>31°29'56.95"</td> <td>75°59'12.72"</td> </tr> <tr> <td>B.P 5</td> <td>31°30'2.87"</td> <td>75°59'19.13"</td> </tr> </tbody> </table>	Pillar No.	Latitude	Longitude	B.P 1	31°30'4.88"	75°59'24.98"	B.P 2	31°30'3.72"	75°59'25.34"	B.P 3	31°29'55.44"	75°59'13.30"	B.P 4	31°29'56.95"	75°59'12.72"	B.P 5	31°30'2.87"	75°59'19.13"
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B.P 5	31°30'2.87"	75°59'19.13"																		
f.	Details of cluster formation	There is no cluster formation, undertaking in this regard submitted.																		
g.	Affidavit from the land owner giving consent for carrying out mining. (In case of Pvt land)	No land NOC submitted.																		
h.	Whether demarcation/erection of boundary pillars on the site has been done.	Demarcation Report submitted.																		
i.	Status of clearance under Forest Conservation Act, 1980, Wildlife Protection Act 1972 as the case may be	<ol style="list-style-type: none"> 1. A copy of certificate issued by the Divisional Forest Officer of District Hoshiarpur submitted, wherein it has been mentioned that the land proposed for the potential sand mining sites is not included in the areas notified under section-4 & 5 of the PLPA, 1900. 2. A copy of certificate issued by the Divisional Forest Officer, Wildlife Hoshiarpur submitted, wherein it has been mentioned that the land proposed for the potential sand mining sites does not fall in the eco-sensitive zones of Wildlife Sanctuary and Conservation reserves under the Wildlife (Protection) Act, 1972 and Punjab Wildlife Preservation Act, 1959. Further, the land does not fall in any sanctuary and conservation reserves. 																		
j.	Salient features of approved mining plans	Salient features of approved mining plan are presented in Environment Management Plan (EMP) and Pre-feasibility Report (PFR), submitted.																		
k.	Method of mining	Open cast Semi-Mechanized method is proposed for mining.																		

l.	No. of workers on the site when fully operational	35
m.	Total water requirement for domestic and other usage and its source	Domestic: 0.50 KLD Dust Suppression: 1.00 KLD Green Belt: 1.10 KLD Total: 2.60 KLD
n.	Waste water generation and its disposal	Mobile toilet with Septic tank.
o.	Information regarding nos of truck/trollies per day for carrying the excavated material on the proforma prescribed in the DSR and map showing the transportation route with proper earmarking of katcha, pakka road and ROW.	Transportation of Sand from mine will be done by dumpers having carriage capacity of appx. 20 tonnes or as per availability of trucks and trolleys. Transportation route map submitted.
p.	Activities to be undertaken under EMP along with its cost.	Submitted
q.	Whether any Litigation is pending against the proposed mining site, if yes the details, thereof, be provided.	No litigation is pending against the proposed mining site Self-Declaration certificate is submitted.
r.	The Department shall provide details pertaining to No. of trees, if any, to be felled for carrying out mining activity.	No trees would be felled during mining activity
s.	The Department shall earmark, on the KML file, the distance from the habitation area from sand mining site. The Department shall certify that the same is in consonance with the existing guidelines allowing the Department for carrying out the mining near the habitation area.	Distance from nearest habitation Mehlanwali village is 427 m towards south direction. The same has been incorporated in the KML file.

t.	The Department shall earmark, on the KML file, the distance from the minor/major bridges up to the nearest boundary of sand mining site.	Road Bridge- 1.2 Km towards NNE from the minelease area.
u.	In case, the proposed mining site does not include in a cluster, the Department shall earmark on the KML file, the distance from the nearest mining site.	The proposed mining site does not include in a cluster. Distance from the nearest mining site Mehatpur Sand Mine 0.678 Km towards SW. The same has been incorporated in the KML file. Below image shows the KML file, the distance from the nearest mining site.



v)	The Department shall outline the environmental impact of the mining operations carried out at site. The Department shall also mention the mitigation measures proposed for mitigating the environmental impacts	The key impact areas for mining operations are: Air, land, water, noise etc. Impacts identified for the said mining site along with the proposed mitigation measures are submitted.
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vi)	The Department/Project	
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<p>Proponent shall include in the EMP, the additional environmental activities to be undertaken by incurring expenditure @ Rs. 0.50/ton of the total quantity permitted for mining in ECs in case of manual mining and @ Rs. 1.50/ton in case of semi-mechanized mining. Any of the following additional environmental activities may be undertaken as a part of EMP:</p>	<p>S. No</p>	<p>Proposed Activities</p>	<p>Capital Cost (in Rs.)</p>
	1	Solar Lamp distribution in nearby villages	50,000/-
	2	Provide drinking water in nearby schools	
	3	Constructions of sitting benches in Village streets	
	4	Plantation of trees with tree guards	
	5	Distribution of wheel chairs for the handicapped students	

During meeting, the Committee perused the SEIAA letter no 542 dated 29.03.2023 vide which SEIAA allowed the Department of Mines & Geology to undertake sand mining in the sites identified in the approved DSR of District Hoshiarpur through its concessionaires or through appropriate alternate methods till 30.06.2023, during which time, the regular Environmental Clearance for the sites will be applied for and obtained by the Department. The permission was granted subject to the condition that in case of river bed sites, depth of extraction should not exceed 1 m and maximum quantity to be extracted should not exceed 50% of the net mineable deposits identified in the DSRs.

Sh. P.S Bhogal & Sh . K.L Malhotra apprised the Committee that the river bed site namely Mehalawali Choe in District Hoshiarpur was visited by the five-member Committee constituted in compliance of the orders of the Hon'ble NGT dated 26-02-2021 in OA No 360 of 2015 on 08.05.2023 and it was observed as under:

- (i) 51 MT of the sand has been excavated out of the 6819 MT quantity of the sand approved in the Mine Plan. Thus, only 0.75 % of the sand was excavated out of the total approved quantity as there was very little demand of sand at this site.

- (ii) The Department further informed that one of the main reasons for lack of demand appeared to be the very poor quality of sand at this site.

SEAC took note of the above and observed that as per the inspection report, the Department of Mines and Geology has extracted only 0.75% of the permissible mineable deposits identified in the DSR as per the approval granted by SEIAA.

SEAC further perused the Khasra no. mentioned in the land NOC & jamabandi and observed that the khasra no. mentioned in the land NOC does not speak in the ownership of the land owner as per jamabandi. The Committee asked the Department to submit the revised land NOC in the name of the actual land owner.

The Committee further made it clear to the Department that the transportation from the mining site shall be done only with dumpers having carriage capacity not exceeding 10 MT. The Department agreed to the same.

After detailed deliberations, SEAC decided to send the case to SEIAA with a recommendation to return it to the Department of Mines & Geology with an advice to re-consider the requirement of Environmental Clearance for this site after assessing the quality of sand and the demand.

1.0 Deliberations during 250th meeting of SEIAA held on 09.06.2023

The case was considered by SEIAA in its 250th meeting held on 09.06.2023 which was attended by the following:

- (i) Mr. Arshad Shaik, Senior Executive Technical M/s Right Source Industrial Solutions PvtLtd (Through VC).
- (ii) Mr. Paras Mahajan, Asst. Geologist.
- (iii) Mr. Sandeep Kumar, SDO, Hoshiarpur

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

In reply to query by SEIAA regarding the poor quality of sand and lack of demand for the same as observed by the 5 member NGT inspection committee and referred to by SEAC in the proceedings of its 248th meeting, project proponent informed that mining operations

at this site had just commenced just a few days before the visit of the inspection committee and public demand had not yet commenced being a new mining site. The initial quality of sand was also not up to the mark at the head of this site being located very close to habitation. However, both the quality of sand and the demand had now picked up considerably and the public was regularly lifting sand from this site. This was borne out by the fact that 12% (as on 09.06.2023) of the total permissible quantity had been sold till date (against just 0.75% on the day of visit of the NGT committee). Project proponent therefore requested that EC for this site may kindly be granted.

SEIAA was satisfied with the reply of the project proponent and decided that the case may be referred back to SEAC with the request to appraise the same and forward its recommendations to SEIAA.

Deliberations during 252nd meeting of SEAC held on 17.07.2023.

The meeting was attended by the following:

- (i) Sh. Sartaj Singh Randhawa, XEN, Drainage-cum-Mining & Geology Division, Water Resources Department, Hoshiarpur.
- (ii) Mr. Sandeep Kumar, SDO, Hoshiarpur
- (iii) Mr. Arshad Shaik, Senior Executive Technical M/s Right Source Industrial Solutions Pvt Ltd (Through VC).

During meeting, the Committee asked the Department to submit an undertaking duly signed by the DMO to the effect that the khasra Nos & area mentioned in the application proposal and land NOC are as per the latest jamabandi of Village Mehlanwali. Further, the Department shall also mention in an undertaking that no High Transmission Line are passing over the proposed mining area. If in case, the High Transmission Line are passing over the proposed mining site, the Department shall leave ROW as per the statutory norms/guidelines. The Department agreed to the same and submitted an undertaking in this regard.

After detailed deliberations, SEAC decided to forward the application proposal to SEIAA with recommendation for grant Environment Clearance under EIA Notification dated 14.09.2006 for carrying out mining of minor minerals (sand) at Village Mehlanwali, Tehsil & District Hoshiarpur by Executive Engineer cum District Mining Officer, Drainage-cum-Mining & Geology Division,

Water Resources Department, Hoshiarpur Division subject to the specific conditions attached as Annexure-1 of the proceedings of the SEAC.

Deliberations during 257th meeting of SEIAA held on 01.08.2023

The case was considered by SEIAA in its 257th meeting held on 01.08.2023 which was attended by Sh. Sandeep Kumar, SDO, Hoshiarpur, Drainage-cum-Mining & Geology Division, Water Resources Department, Hoshiarpur. However, Environmental Consultant engaged by the Mining Department was absent. Further, the Project Proponent failed to submit proper reply regarding the details of the Environmental Management Plan and component-wise expenditure proposed to be undertaken under the same.

SEIAA observed that the proceedings of the meetings of SEAC are very sketchy and do not specify required particulars of the mining site or basic details of the EMP like amount to be spent on standard activities like dust suppression, maintenance of haul roads, safety gear, plantation @ 50 plants / ha, solid waste management etc. Only a few random activities for Rs 50,000 have been mentioned against AEA activities out of which several activities are in fact CSR activities. Even the extent of area from which mining is proposed to be undertaken by the PP or the quantity of minor minerals recommended for approval viz-a-viz quantity approved in the DSR / Mine Plan have not been specified in the proceedings of the SEAC meetings or its final recommendations. As such there is no clarity regarding the basic parameters for which grant of EC has been recommended.

Since a very large number of applications for Environmental Clearance for mining of minor minerals are yet to be received, SEIAA decided that a standardized Performa in Tabular Form should be devised for appraising mining projects and conveyed to SEAC so as to ensure that no important parameter is inadvertently missed in appraisal / proceedings of SEAC meeting vide which the case is recommended. This will also greatly speed up the processing time in both SEIAA and SEAC which is an important consideration in view of the large number of such cases presently pending as also expected to be submitted in the near future.

After detailed deliberations, SEIAA decided as under:

- i) Case be remanded back to SEAC for sending the revised recommendations on the prescribed Performa to be used for appraising mining projects as per above observations of SEIAA.
- ii) Prescribed Performa (**Annexure-I**) be sent to the SEAC for requisite action as per S No. (i) above.

Annexure-I

Template for the appraisal of mining project

S.No.	Item	Details			
1.	Online Proposal No. and date of submission				
2.	Project Name & Location				
3	Name of the Applicant, Designation Mobile no. & Email Id				
4	Name of Environmental Consultant , Mobile no. & Email Id				
5	Project/activity covered under item of scheduled to the EIA Notification,14.09.2006	1(a) Mining of Minor Minerals			
6	Details of Mining Lease				
i)	Mineral (s) to be mined	1) Sand 2) specify other			
ii)	Method of mining	Manual/Semi Mechanized			
iii)	Agriculture land or River/choe mining. In case of River/Choe mining, name of the River/Choe to be specified.				
iv)	d. Capacity of Mine as per the EC application/DSR/Mining plan in MT and TPA	Description	As per the EC application	As per the approved DSR	As per the Mining Plan
	e. Area of the Mine as per EC application/DSR/Mining plan	Mine Capacity in MT			
	f. Depth of mining as per EC application/DSR/Mining plan	Mine Capacity in TPA			
		Mining Area on mining in HA			

		Depth of Mining in m			
		Note: EC cannot be appraised more than quantity and area mentioned in the approved DSR			
v)	Details Letter of Intent (LOI)/E-Auction issued by the State Govt., where applicable		Reference No: Date of Issue: Validity of LOI: Mining Lease Area: Mining Quantity:		
7	Details of Final District Survey Report		Approved by :- Reference No: Date of Issue: Safe distance from banks (m): Annual rate of replenishment as per the study conducted:		
8	HadBast No.				
9	Land Khasra No. & their consent details				
	Sr No	Type	Khasra No	Consent details provided (Yes/No)	
	1	Govt Land			
	2	Private Land			
10	Latitude & Longitude				
	S.No.	Corner	Latitude	Longitude	
	1				
11	Whether the project attracts the General Condition. (Yes/No). In case of Yes, Please specified the reason.				
12	Does the project involves diversion of forest land. If yes, a. Extent of the forest land. b. Status of the forest clearance.				

	If No, submit documentary proof	
13	Does the project fall of eco-sensitive area/ National park/Wild Life Sanctuary? If yes, application submitted to NBWL.	
14	Cost of the project	Rs. _____ Crores
15	Environmental Clearance. Fee details	Rs _____/- Vide NEFT No _____ dated _____
16	Certificate to be provided by DMO, that the proposal is as per the annexure-V of DSR.	Certificate No: Date
17	Demarcation report of mining site	Date of demarcation: Nos of Burjis made: _____ Nos Photographs submitted: Yes/No Signed by : 1) Name and Designation 2) Name and Designation 3) _____
18	Workers (when fully operational)	_____ Persons.
19	Water Requirements & source	Domestic: _____ KLD (@ 45 lpcd) Other if any _____ KLD Total: _____ KLD Ground water/Others: 01 Borwell
20	Waste water generation, Treatment & its Disposal	i) Quantity of Waste water : _____ KLD (80% of water requirement) ii) Treatment Method: Septic Tank iii) Mode of Disposal : a) Plantation purpose.: _____ KLD b) Any other purpose: _____ KLD
21	Solid waste generation and its disposal	i) Quantity _____ ii) Method of Disposal _____ Solid waste will be disposed as per Solid Waste Management Rules, 2016.
22	Green Belt Development Plan including no. of trees to be planted & its species.	Tree cutting (if any) : _____ Nos No of plant to be planted: _____ Nos Funds Allocated: : Rs _____ lacs towards capital cost and Rs _____ Lacs towards recurring cost.

		(Rs 1000/- per tree as capital cost and Rs 1000/- per tree as maintenance cost)		
23	Rain Water Harvesting & recharging proposal			
24	Environment Management Plan along with Budgetary breakup and responsibility to implement	Sh. _____ (Director) will be responsible for the implementation of EMP till the mining activities closed as per the mining plan.		
25	Sr No.	Description	Capital cost (lakhs)	Recurring cost (lakhs per annum)
	1	Provision of Septic Tank		
	2	Handling of Solid waste		
	3	Provision of Green Belt (Rs 1000/- per tree as capital cost and Rs 1000/- per tree as maintenance cost)		
	4	Dust Suppression Activities		
	5	Occupational Health measure such as first aid and other miscellaneous		
	6	Environmental Monitoring (Air, Water Soil etc.).		
	7	Rain Water Harvesting & recharging		
	8	Regular health check-up camps for the workers engaged in mines shall be organized.		
	9	Any other, Please specify.		
26	<p>Additional Environmental Activities (AEA) activities along with budgetary break up and responsibility</p> <p>Sh. _____ (Director) of M/s. _____ will be responsible for implementation of Additional Environmental Activities (AEA). As the project having minable Quantity _____MT, The project proponent has proposed to spent Rs _____ Lakhs (i.e @ Rs 0.50 per Ton) for AEA activities. It was proposed to spent the said amount on the followings: -</p> <p>i) The project proponent shall deposit Rs _____for Green Area development in the Greening Punjab Mission revenue head of the state treasury through the DFO prior to commencement of mining operations and thereafter 1 year after grant of EC as specified at S No. 3 of Table 1 in the following Budget Head:</p> <p style="text-align: center;">Table-1</p>			

	<table border="1"> <tr> <td>Demand No.</td> <td>32- Forestry and Wildlife</td> </tr> <tr> <td>Major Head</td> <td>0406 – Forestry and Wildlife</td> </tr> <tr> <td>Sub-Major Head</td> <td>01 – Forestry</td> </tr> <tr> <td>Minor Head</td> <td>102- Receipts from Social and Farm Forestry</td> </tr> <tr> <td>Sub-Head</td> <td>03 – Green Punjab Mission</td> </tr> <tr> <td>Detailed Head</td> <td>01- Green Punjab Mission Fees</td> </tr> </table> <p>i) Rs _____ for repair of haulage road of village and plantation alongside the road so as to minimize the impact of air pollution due to increase traffic on the villagers and /or</p> <p>ii) Rs _____ for Local needs of habitants like school, crèche, hospital, veterinary hospital, sanitation, drinking water etc.</p>	Demand No.	32- Forestry and Wildlife	Major Head	0406 – Forestry and Wildlife	Sub-Major Head	01 – Forestry	Minor Head	102- Receipts from Social and Farm Forestry	Sub-Head	03 – Green Punjab Mission	Detailed Head	01- Green Punjab Mission Fees
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Minor Head	102- Receipts from Social and Farm Forestry												
Sub-Head	03 – Green Punjab Mission												
Detailed Head	01- Green Punjab Mission Fees												
27	<p>Other important facts:</p> <p>Following facts may be considering while recommending the case:-</p> <p>i) No court case/litigation is pending before any court of Law against the project and/or land in which the project is proposed to be set up.</p> <p>ii) During the lease period, the deposit will be worked from the top surface to 3 m or _____m below ground level or above ground water table, whichever comes first.</p> <p>iii) No Stream Mining shall be allowed. The operation will be done only from sun rise to sun set hence there will be no power requirement for the project at site.</p> <p>iv) All the activities will be carried out manually using hand tools like shovel, pan, sieve etc.</p> <p>v) In case of semi mechanized method allowed, Justification for the same must be given indicating its benefits over the manual method.</p> <p>vi) An undertaking submitted to the effect that no Cluster formation of mining site exists as no other mining site falls within a radius of 500 m from the periphery of proposed site</p> <p>Or</p> <p>The total area of all borrowing/excavation sites including the area of proposed project within a radius of 500 m from the proposed area of borrowing / excavation is less than 5 hectares.</p>												
28	<p>Clear-cut-Recommendation:</p> <p>Committee observed that the project proponent has provided adequate and satisfactory clarifications of the observations raised by it. Therefore, the Committee awarded 'Silver Grading' to the project proposal and decided to forward the case to the SEIAA with the recommendation to grant environmental clearance under EIA notification dated 14.09.2006 for the sand mining project with production capacity of 66547 TPA (48633 TPA for Jaloke and 17914 TPA for jaloke-2) over an area of 4.78 Ha</p>												

	<p>(3.41 Ha for Jaloke + 1.37 ha for Jaloke-2) in the river bed of river Sutlej, located at Village-Jaloke, Tehsil Patti & District-Tarn Taran, Punjab to the Executive Engineer-Tarn Taran cum Drainage-cum-Mining & Geology Division, Tarn Taran subject to certain conditions as mentioned in the Annexure-1 of the proceeding of SEAC, proposed measured as mentioned in the approved mining plan and the following additional conditions :-</p> <p>1) abc</p> <p>2) xyz</p>
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(b) For B1 Category

29	<p>Baseline Environmental Details must be added such as Air Quality, Water (Surface +Ground) Environment, Soil And Biological Environment, Socio Economic Environment, Risk Studies & Disaster Management</p> <p>Comments may be given .</p>												
30	<p>Comments on the compliance of TOR issued to the Project Proponent.</p> <p>At-least Important/ additional TORs should be considered by SEAC.</p>												
31	<p>Public Consultation</p> <p>a. Public consultation conducted on</p> <p>b. Presided over by the and attended bypersons</p> <p>c. Publicity through local newspapers/media i.e. on dated was given 30 days in advance of the date.</p> <p>d. The project proponent has given commitment to fulfil the environmental and social responsibility for development of community of nearby villages.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">SR No.</th> <th style="width: 35%;">Issues raised by the Public</th> <th style="width: 20%;">Point Represented</th> <th style="width: 35%;">Commitment of the Project Proponent along with budget and timelines</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Mr X.....</td> <td></td> <td></td> </tr> <tr> <td style="text-align: center;">2</td> <td>Mr. Y</td> <td></td> <td></td> </tr> </tbody> </table>	SR No.	Issues raised by the Public	Point Represented	Commitment of the Project Proponent along with budget and timelines	1	Mr X.....			2	Mr. Y		
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1	Mr X.....												
2	Mr. Y												

Deliberations during 257th meeting of SEAC held on 28.08.2023.

The meeting was attended by the following:

- (i) Sh. Sartaj Singh Randhawa, XEN, Drainage-cum-Mining & Geology Division, Water Resources Department, Hoshiarpur.
- (ii) Mr. Sandeep Kumar, SDO, Hoshiarpur
- (iii) Mr. Arshad Shaik, Senior Executive Technical M/s Right Source Industrial Solutions Pvt

Ltd.

The Committee perused the proforma at **Annexure-I** devised by SEIAA and observed that most of the details has already been captured in the proforma already used by SEAC to appraise the cases of mining. Further, some of the categories/sub categories such as rain water harvesting & recharging proposal, solid waste generation & its disposal, applicability of general conditions etc., was found to be insignificant for appraising the mining proposals. After due deliberations, the Committee revised the proforma sent by SEIAA with details as under:

Brief Summary of the Gravel Mining project:

(A) General

i)	Name of Applicant & Correspondence address: Mobile No: Email ID:	
ii)	Name of Environmental Consultant Mobile No. Email ID	
iii)	Online Proposal No. & date of Submission	
iv)	Project Name & Location	
v)	Project/activity covered under item of scheduled to the EIA Notification,14.09.2006	

1.0 The details of the mining project are as under:

Sr. No.	Item	Details
a)	Category of the Project as per the EIA notification dated 14.09.2006	
b)	Details of Proposed Mining Site (Agriculture land or River/choe mining. In case of River/Choe	

	mining, name of the River/ Choe to be specified.) (Whether it is a CMS/PMS etc.)				
	Mineral (s) to be mined	1) Sand 2) specify other			
	Method of mining	Manual/Semi Mechanized			
c)	a) Capacity of Mine as per the EC application/DSR/Mining plan in MT and TPA	Description	As per the EC application	As per the approved DSR	As per the Mining Plan
	b) Area of the Mine as per EC application/DSR/Mining plan	Total Mine Capacity in MT			
		Mine Capacity in TPA			
	c) Depth of mining as per EC application/DSR/Mining plan	Mining Area on mining in HA			
		Depth of Mining in m			
d)	Details of Final District Survey Report	Approved by :- Reference No: Date of Issue: Safe distance from banks (m): Annual rate of replenishment as per the study conducted:			
e)	Hadbast No. of the Village				
f)	Khasra No. of the proposed mining site as per DSR viz a viz Khasra no. of mining site as per proposal				
	i.				
		Khasra No. as per proposal	Khasra No. as per DSR	Khasra No. as per consent of land	Name of owner the land as per la NOC, DSR a Jamabandi
ii. Whether undertaking to the effect that the land area & Khasra Nos mentioned in the land NOC of the respective land owners are in the name of the same land					

	owner as per the latest jamabandi of Proposed mining site or not, submitted by the concerned DMO? (Y/N)	
g)	Whether the mining area is less than area mentioned in the DSR, (If yes) the proposed mining area shall be earmarked in the KML file with different color.	
h)	Demarcation report of mining site	<p>Date of demarcation: Photographs submitted: Yes/No (Note: Photographs must clearly indicate Burji(s)/marking pillars)</p> <p>Signed by : 1) Name and Designation 2) Name and Designation 3) _____</p>
i)	Longitude & Latitude of the mining site	
	Geo-Coordinates of the Lease Area	
	Pillar No.	Latitude
	Longitude	
j)	Is there a cluster formation (Y/N); Include KML file indicating distance from the closest cluster(s).	
k)	Whether demarcation/erection of boundary pillars on the site has been done.	
l)	Does the project involve diversion of forest land. If yes,	

	a. Extent of the forest land. b. Status of the forest clearance. If No, submit documentary proof	
m)	Does the project fall of eco-sensitive area/ Nationalpark/Wild Life Sanctuary? If yes, application submitted to NBWL.	
n)	Salient features of approved mining plans	
o)	Environmental Clearance. Fee details	Rs _____/- Vide NEFT No _____ dated _____
p)	No. of workers on the site when fully operational	
q)	Total water requirement for domestic and other usage and its source	
r)	Waste water generation and its disposal	
s)	Information regarding nos of truck/trollies per day for carrying the excavated material on the proforma prescribed in the DSR and map showing the transportation route with proper earmarking of katcha, pakka road and ROW.	

j)	Activities to be undertaken under EMP along with its cost.	Sr. No.	Environment mitigation measure	Capital Cost (In Lacs)	Recurring Cost (Lacs/annum)
		1	Repairing of road for transport of mining material and its subsequent maintenances		
		2	Water Sprinkling Measures		
		3	Drinking water facility, Septic Tank & Mobile toilets and solid waste management		
		4	Safety shoes/masks/earplugs/ first aid kit etc.		
		5	Additional Environment Activities (The amount will be deposited to Forest Department for utilization of the same for development of greenarea(s)/belt(s))		
		6	Regular health check-up camps for the workers engaged in mines shall be organized.		
		7	Environmental Monitoring (Air, Water Soil etc.).		
		Total			
*_____ shall be responsible for implementation of EMP till the mining activities closed as per the mining plan.					
k)	Whether any Litigation is pending against the proposed mining site, if yes the details, thereof, be provided.				
l)	Cost of the project	Rs. _____ Crores			
m)	Environment Management Plan along with Budgetary breakup and responsibility to implement.	An undertaking by the Project Proponent shall be submitted designating an Officer(s) who will be			

		responsible for the implementation of EMP till the mining activities closed as per the mining plan.
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i)	The Department shall provide details pertaining to No. of trees, if any, to be felled for carrying out mining activity.	
ii)	The Department shall earmark, on the KML file, the distance from the habitation area from sand mining site. The Department shall certify that the same is in consonance with the existing guidelines allowing the Department for carrying out the mining near the habitation area.	
iii)	The Department shall earmark, on the KML file, the distance from the minor/major bridges up to the nearest boundary of sand mining site.	
iv)	In case, the proposed mining site does not include in a cluster, the Department shall earmark on the KML file, the distance from the nearest mining site.	
v)	The Department shall outline the environmental impact of the mining operations carried out at site. The Department shall also mention the mitigation measures proposed for mitigating the environmental impacts	
	<p>Additional Environmental Activities (AEA) activities along with budgetary break up and responsibility</p> <p>Sh. _____ (Director) of M/s. _____ will be responsible for implementation of Additional Environmental Activities (AEA). As the project having minable Quantity _____MT, The project proponent has proposed to spent Rs _____</p>	

	<p>Lakhs (i.e @ Rs 0.50 per Ton) for AEA activities. It was proposed to spent the said amount on the followings: -</p> <p>ii) The project proponent shall deposit Rs _____for Green Area development in the Greening Punjab Mission revenue head of the state treasury through the DFO prior to commencement of mining operations and thereafter 1 year after grant of EC as specified at S No. 3 of Table 1 in the following Budget Head:</p> <p style="text-align: center;">Table-1</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>Demand No.</td> <td>32- Forestry and Wildlife</td> </tr> <tr> <td>Major Head</td> <td>0406 – Forestry and Wildlife</td> </tr> <tr> <td>Sub-Major Head</td> <td>01 – Forestry</td> </tr> <tr> <td>Minor Head</td> <td>102- Receipts from Social and Farm Forestry</td> </tr> <tr> <td>Sub-Head</td> <td>03 – Green Punjab Mission</td> </tr> <tr> <td>Detailed Head</td> <td>01- Green Punjab Mission Fees</td> </tr> </table> <p>iii) Rs _____ for repair of haulage road of village and planation alongside the road so as to minimize the impact of air pollution due to increase traffic on the villagers and /or</p> <p>iv) Rs _____ for Local needs of habitants like school, crèche, hospital, veterinary hospital, sanitation, drinking water etc.</p>	Demand No.	32- Forestry and Wildlife	Major Head	0406 – Forestry and Wildlife	Sub-Major Head	01 – Forestry	Minor Head	102- Receipts from Social and Farm Forestry	Sub-Head	03 – Green Punjab Mission	Detailed Head	01- Green Punjab Mission Fees
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Detailed Head	01- Green Punjab Mission Fees												

(b) For B1 Category

i.	<p>Baseline Environmental Details must be added such as Air Quality, Water (Surface +Ground) Environment, Soil and Biological Environment, Socio Economic Environment, Risk Studies & Disaster Management</p> <p>Comments may be given .</p>
ii.	<p>Comments on the compliance of TOR issued to the Project Proponent.</p> <p>At-least Important/ additional TORs should be considered by SEAC.</p>
iii.	<p>Public Consultation</p> <p>e. Public consultation conducted on</p> <p>f. Presided over by the and attended bypersons</p> <p>g. Publicity through local newspapers/media i.e. on dated was given 30 days in advance of the date.</p> <p>h. The project proponent has given commitment to fulfil the environmental and social responsibility for development of community of nearby villages.</p>

SR No.	Issues raised by the Public	Point Represented	Commitment of the Project Proponent along with budget and timelines
1	Mr X.....		
2	Mr. Y		

The Committee further asked the Project Proponent to submit the information in the revised Proforma. The Project Proponent submitted the information in the prescribed Proforma with details as under:

Brief Summary of the Gravel Mining project:

(A) General

i)	Name of Applicant & Correspondence address: Mobile No: Email ID:	Sartaj Singh Randhawa, Executive Engineer-Hoshiarpur Drainage –cum-Mining & Geology Division, Hoshiarpur, WRD Punjab 9417900074 sartaj.randhawa074@punjab.gov.in
ii)	Name of Environmental Consultant Mobile No. Email ID	Right Source Industrial Solutions Pvt. Ltd 8977495343 eiaemp@rightsource.co.in
iii)	Online Proposal No. & date of Submission	SIA/PB/MIN/423947/2023, Date 29.03.2023
iv)	Project Name & Location	Mehlanwali Sand Mine, (Choe Bed-Lease Code; ML 01) Village - Mehlanwali, Teh- Hoshiarpur District- Hoshiarpur, State-Punjab
v)	Project/activity covered under item of scheduled to the EIA Notification,14.09.2006	1(a) Mining of Minor Minerals

1.0 The details of the mining project are as under:

S.No	Item	Details			
a)	Category of the Project as per the EIA notification dated 14.09.2006	B2			
b)	Details of Proposed Mining Site (Agriculture land or River/choe mining. In case of River/Choe mining, name of the River/ Choe to be specified.) (Whether it is a CMS/PMS etc.)	(Choe Bed-Lease Code; ML 01)			
	Mineral (s) to be mined	Sand			
	Method of mining	Open cast semi-mechanized			
c)	a) Capacity of Mine as per the EC application/DSR/Mining plan in MT and TPA	Description	As per the EC application	As per the approved DSR	As per the Mining Plan
		Total Mine Capacity in MT	13,638	27720	13,638
	b) Area of the Mine as per EC application/DSR/Mining plan	Mine Capacity in TPA	6,819	-	6,819
	c) Depth of mining as per EC application/DSR/Mining plan	Mining Area on mining in HA	2.5	2.5	2.5
		Depth of Mining in m	1.2	1.2	1.2
d)	Details of Final District Survey Report	Approved by :-SEIAA Reference No:399 Date of Issue:13.02.2023 Safe distance from banks (m): Annual rate of replenishment as per the study conducted:			
e)	Hadbast No. of the Village	344			
f)	Khasra No. of the proposed mining site as per DSR viz a viz Khasra no. of mining site as per proposal				
	(i)	Khasra No. as per proposal	Khasra No. as per DSR	Khasra No. as per consent of land	Name of owner of

			the land as per land NOC, DSR and Jamabandi
37/11, 37/20/1, 38/15/1, 38/16/1, 38/16/2, 38/17/1, 38/18/1, 38/22/2, 38/23, 38/24, 38/25, 41/2, 41/3/1, 41/3/2, 41/4, 41/8, 41/9, 41/10, 41/11, 41/12	37/11, 37/20/1, 38/15/1, 38/16/1, 38/16/2, 38/17/1, 38/18/1, 38/22/2, 38/23, 38/24, 38/25, 41/2, 41/3/1, 41/3/2, 41/4, 41/8, 41/9, 41/10, 41/11, 41/12	38//17//1/2, 38//18/1, 38//2/2, 38//23, 37//20/1, 38//16/1, 16/2, 24, 25, 41//3/2, 4, 10	
(ii) Whether undertaking to the effect that the land area & Khasra Nos mentioned in the land NOC of the respective land owners are in the name of the same land owner as per the latest Jamabandi of Proposed mining site or not, submitted by the concerned DMO? (Y/N) YES			
g) Whether the mining area is less than area mentioned in the DSR, (If yes) the proposed mining area shall be earmarked in the KML file with different color.	No, the Mehlanwali sand mining area mentioned in the DSR is same as per the proposal submitted.		
h) Demarcation report of mining site	Date of demarcation: 27.02.2023 Photographs submitted: Yes Submitted		
i) Longitude & Latitude of the mining site			
Geo-Coordinates of the Lease Area			
Pillar No.	Latitude	Longitude	
B.P 1	31°30'4.88"	75°59'24.98"	
B.P 2	31°30'3.72"	75°59'25.34"	
B.P 3	31°29'55.44"	75°59'13.30"	
B.P 4	31°29'56.95"	75°59'12.72"	
B.P 5	31°30'2.87"	75°59'19.13"	

j)	Is there a cluster formation (Y/N); Include KML file indicating distance from the closest cluster(s).	There is no cluster formation.			
k)	Whether demarcation/erection of boundary pillars on the site has been done.	Yes			
l)	Does the project involve diversion of forest land. If yes, a. Extent of the forest land. b. Status of the forest clearance. If No, submit documentary proof	No			
m)	Does the project fall of eco-sensitive area/ Nationalpark/Wild Life Sanctuary? If yes, application submitted to NBWL.	Submitted			
n)	Salient features of approved mining plans	Salient features presented in Pre-feasibility Report (PFR).			
o)	Environmental Clearance. Fee details	Rs.5000/- Vide NEFT No. N088232390730705, dated. 29.03.2023			
p)	No. of workers on the site when fully operational	35			
q)	Total water requirement for domestic and other usage and its source	Total: 2.60 KLD Domestic: 0.50 KLD Dust Suppression: 1.00 KLD Green Belt: 1.10 KLD			
r)	Waste water generation and its disposal	Waste water generation 0.40KLD. Mobile toilet with Septic tank followed by Soak pit.			
s)	Information regarding nos of truck/trolleys per day for carrying the excavated material on the proforma prescribed in the DSR and map showing the transportation route with proper earmarking of katcha, pakka road and ROW.	Transportation will be done by Tractors having carriage capacity of appx. 10 tonnes. (Enclosed as Annexure -3 Transportation route map)			
t)	Activities to be undertaken under EMP along with its cost.	Sr. No.	Environment mitigation measure	Capital Cost (In Lacs)	Recurring Cost (Lacs/annum)

		1	Repairing of road for transport of mining material and its subsequent maintenances	10,000	5,000
		2	Water Sprinkling Measures	20,000	5,000
		3	Drinking water facility, Septic Tank & Mobile toilet and Solid Waste Management	20,000	5,000
		4	Safety Shoes/Dust Masks/Ear Plugs/First aid kit.	10,000	4,000
		5	Additional Env. Activities (Green Belt Development)	6819	6819
		Total		66819	25819
		*DMO shall be responsible for implementation of EMP till the mining activities closed as per the mining plan.			
u)	Whether any Litigation is pending against the proposed mining site, if yes the details, thereof, be provided.	No, Self-Declaration certificate submitted.			
v)	Cost of the project	0.19 Crores			
w)	Environment Management Plan along with Budgetary breakup and responsibility to implement.	Submitted			

i)	The Department shall provide details pertaining to No. of trees, if any, to be felled for carrying out mining activity.	No trees would be felled during mining activity
ii)	The Department shall earmark, on the KML file, the distance from the habitation area from sand mining site. The Department shall certify that the same is in consonance with the existing guidelines allowing the Department for carrying out the mining near the habitation area.	Distance from nearest habitation Mehlanwali village is 427 m towards south direction. The same has been incorporated in the KML file and will be presented before the committee. (Nearest Habitation Enclosed Annexure-1)
iii)	The Department shall earmark, on the KML file, the distance from the minor/major bridges up to the nearest boundary of sand mining site.	Road Bridge - 1.2 Km towards NNE from the mine lease area.
iv)	In case, the proposed mining site does not include in a cluster, the Department shall	The proposed mining site does not include in a cluster. Distance from the

	<p>earmark on the KML file, the distance from the nearest mining site.</p>	<p>nearest mining site Mehatpur Sand Mine 0.678 Km towards SW. The same has been incorporated in the KML file and will be presented before the committee. Below image shows the KML file, the distance from the nearest mining site. (Enclosed nearest mining site Mehatpur Sand Mine Annexure.No - 2)</p>
<p>v)</p>	<p>The Department shall outline the environmental impact of the mining operations carried out at site. The Department shall also mention the mitigation measures proposed for mitigating the environmental impacts</p>	<p>The proposed mitigation measures are presented in Environmental Management Plan EMP.</p>

Annexure-1

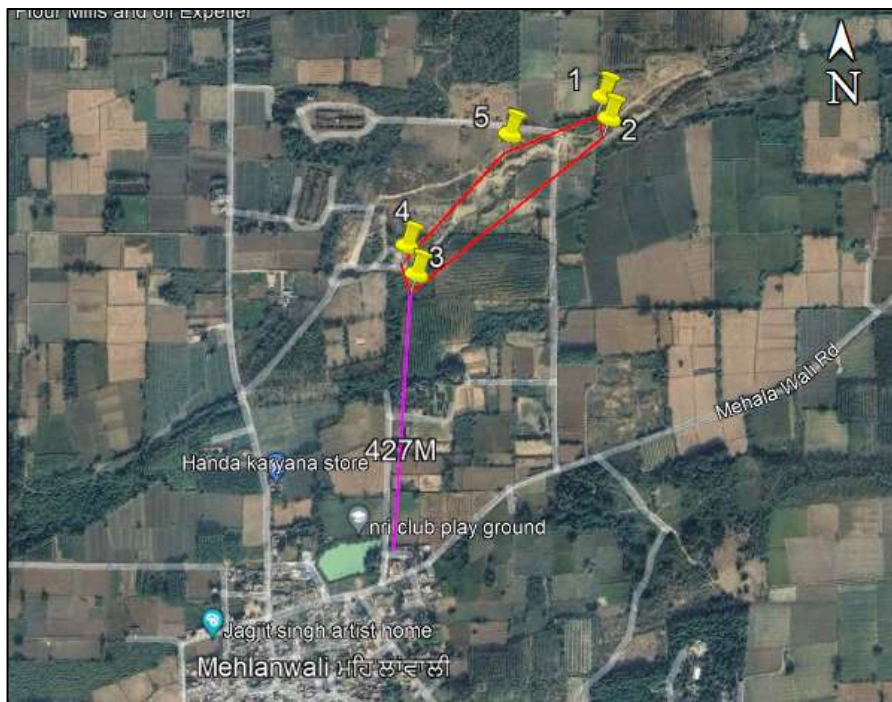


Figure-1 shows nearest Habitation

Annexure - 2



Figure-2 shows Distance from the nearest mining site

Annexure -3

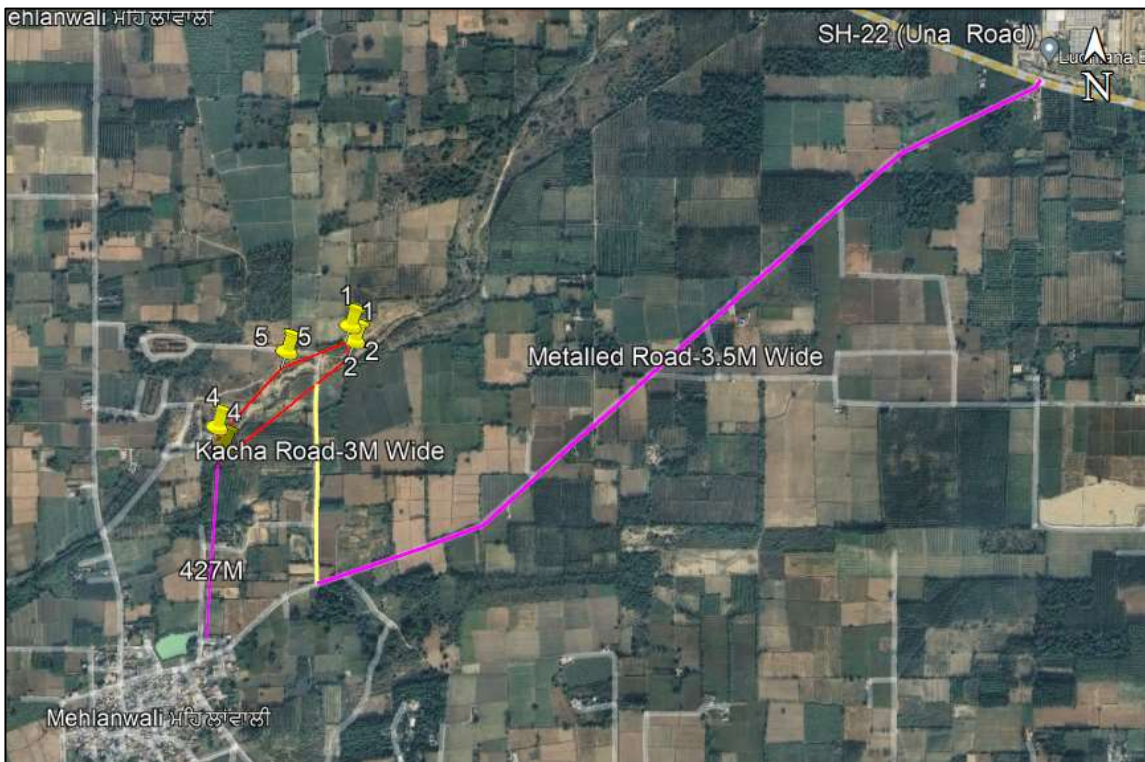


Figure - 3 Transportation route map

Further, the Committee asked the Project Proponent that the amount allocated for the green belt development be deposited with Forest Department. The Project Proponent submitted the revised EMP with details as under:

Sr. No.	EMP Budget Capital & Recurring	Capital Cost (INR)	Recurring Cost (INR)
1	Repairing of road for transport of mining material and its subsequent maintenances	10,000	5,000
2	Water Sprinkling Measures	20,000	5,000
3	Drinking water facility, Septic Tank & Mobile toilet and Solid Waste Management	20,000	5,000
4	Safety Shoes/Dust Masks/Ear Plugs/First aid kit.	10,000	4,000
5	Additional Env. Activities (Green Belt Development)	6819	6819
	Total	66819	25819

After detailed deliberations, SEAC decided to forward the application proposal to SEIAA with the recommendation to grant Environment Clearance under EIA Notification dated 14.09.2006 for carrying out mining of minor minerals (sand) in the area of 2.5 Ha for the quantity of 13638 MT, which shall not exceed the quantity of 27720 MT as per the approved DSR at Village Mehlawali, Tehsil Hoshiarpur, Punjab subject to the conditions attached as **Annexure-1** and special conditions as follows:

Special Condition:

1. The Project Proponent shall deposit the amount allocated for the green belt development to Forest Department for utilization of the same in green belt/green area development.

Deliberations during 260th meeting of SEIAA held on 12.09.2023

The case was considered by SEIAA in its 260th meeting held on 12.09.2023 which was attended by the following:

- (i) Sh. Amrinder Singh Pandher (XEN), Hoshiarpur
- (ii) Sh. Sandeep Kumar, SDO, Hoshiarpur
- (iii) Sh. Arshad Shaik, Senior Executive Technical M/s Right Source Industrial Solutions Pvt Ltd

During the meeting, the Environmental Consultant presented the salient features of the project. On a query by SEIAA as to why semi-mechanized method of mining was being proposed when this was a “Public Mining Site” and as per the Mining Policy, 2023 of the state government only manual mining was permitted in such sites, the Project Proponent agreed that the case may be considered for approval for manual method of mining.

SEIAA observed that brief synopsis as per the new template and revised Environmental Management Plan (EMP) need to be submitted. Accordingly, the project proponent submitted the brief synopsis as per the new template which was taken on record by SEIAA.

The revised EMP and additional environmental activities to be carried out under the project and outlays for the same were thereafter discussed and finalized as under:

TABLE 1

Sr. No	Environment mitigation measure	Capital Cost (In Rs.)	Recurring Cost (Rs./annum)
1	Water Sprinkling Measures to be done on haul road to suppress dust & Haul Road and other Roads Repair and maintenance	10,000	5,000
2	Plantation and maintenance of 30 saplings through State Forest Department under Green Punjab Mission: Plantation cost 2.5 Ha x 20 saplings/Ha= 50 saplings @Rs.1000 per sapling. (Depth considered 0.5904m for mining activities instead of 3m)	50,000	5,000
3	Drinking water facility, Septic Tank & Mobile toilets and solid waste management	20,000	5,000
4	Safety equipment's such as gloves, mask, helmet, First aid kit etc.	10,000	4,000
5	Additional Environmental activities (Rs. 0.5 per MT of Total quantity) (The amount may be deposited to Forest Department for utilization of the same for development of green area(s)/belt(s))	6,819	-

6	Regular health check-up camps for the workers engaged in mines shall be organized.	10,000	10,000
7	Environmental Monitoring (Air, Water Soil etc.).	-	20,000
Total		1,06,819	49,000

To a further query by SEIAA, the project proponent informed that all the conditions imposed by the SEAC while appraising the project were acceptable to him.

After detailed deliberations and examination of relevant documents, SEIAA decided to accept the recommendations of SEAC and grant Environmental Clearance for mining of minor minerals (Sand) at subject cited mining site for the total area of 2.5 Ha (6819 TPA) and total quantity of 13,638 MT₂ at Village Mehlanwali, Tehsil & District Hoshiarpur, Punjab as per the details mentioned in the application, approved mining plan, District Survey Report and other documents and subsequent clarifications made by the project proponent and his consultation, proposed measures and subject to the conditions proposed by SEAC and following additional conditions:

Additional Conditions:

- I. Only manual method of mining will be permitted.
- II. The project proponent shall implement the EMP / AEA activities as per Table 1 above.
- III. Enhancement in the total quantity can be approved by SEIAA only upon submission of credible replenishment study data.

Item No. 260.11: Application for Environment Clearance under EIA Notification dated 14.09.2006 for establishment of Proposed Shopping Complex "PALM MARINA" at Hadbast No. 152, Vill. Fatehpur Awana, Ladhawal Bye Pass Ludhiana, Punjab by M/s RAUNI DEVELOPERS PRIVATE LIMITED. (SIA/PB/INFRA2/434886/2023).

The project proponent has applied for obtaining Environment clearance for establishment of shopping complex namely "PALM MARINA" by M/s RAUNI DEVELOPERS PRIVATE LIMITED at Hadbast No.152, Village. Fatehpur Awana, Ladhawal Bye Pass, Distt Ludhiana (PB). The total land area of the project is 14832.5 sqm and net plot area is 14565.35 (Net plot Area after road widening) having built-up area of 40742.88 sqm. The project is covered under category 8(a) of the schedule appended with the EIA Notification dated 14.09.2006.

The Project Proponent has submitted online form, PFR and other relevant documents through Parivesh Portal. He has also deposited Rs. 81,486/- vide UTR no. N172232512397898 dated 21.06.2023. The adequacy of the fee has been checked & verified by the supporting staff of SEIAA.

Punjab Pollution Control Board vide letter No. 2150 dated 25.08.2023 furnished the latest construction status report as under:

"In continuation to this office letter under reference, it is further clarified that as per documents available with this office and as received from the office of GLADA vide their office letter no. 2492 dated 06.04.2023, the revised status report of the project is as under: -

- (i) No constructional activity has been started by the project proponent at site yet.*
- (ii) There is no MAH, Air/water polluting industry, river, drain, and eco-sensitive structures within the radius of 500m from the boundary of the project. However, water body namely Sidhwan branch of Sirhind canal exist at a distance of approximately 40m from the boundary wall of the site.*
- (iii) The project proponent has been granted change of land use by the GLADA vide their office letter No. 1507 dated 30.12.2022 for an area of 29 kanal 6 marla (3.6625 acres) for conversion of land from residential to commercial colony at Village Fatehpur Awana (Hadbast No. 152), Tehsil Ludhiana West, District Ludhiana. Further, this CLU has been amended by the GLADA vide their office letter No. 207 dated 24.02.2023 from commercial colony to commercial (shopping mall without multiplex) purpose instead of commercial colony.*

- (iv) *The Senior Town Planner, GLADA vide No. 377-STP(L)/B.A.I dated 27.03.2023 has approved the site plan of the commercial colony for shopping complex with total area of 14832.85 sqm (3.6625 acres).*
- (v) *In view of (III) & (IV) above and as per the criteria laid down by the Government of Punjab, Department of Science, Technology & Environment vide Notification No. 3/6/07/STE(4)/2274 dated 25.07.2008, as amended on 30.10.2009 as amended on 31.10.2019, the proposed site of the commercial colony (Shopping mall without multiplex) is suitable for its establishment.”*

Deliberations during 257th meeting of SEAC held on 28.08.2023.

The meeting was attended by the following:

- (i) Mr. Deepak Ratra, General Manager M/s Rauni Developers Private Limited.
(ii) Sh. Sital Singh, Environmental Consultant M/s CPTL.
(iii) Dr. Rajnish Sharma, Environmental Consultant M/s CPTL.

The Committee allowed the Environmental Consultant to present the salient features of the application proposal. Thereafter, the Environmental Consultant presented the case as under:

Sr. No.	Description	Details
1	Basic Details	
1.1	Name of Project & Project Proponent:	Proposed shopping complex “palm marina”
1.2	Proposal:	SIA/PB/INFRA2/434886/2023
1.3	Location of Industry:	AT HADBAST NO. 152, VILL FATEHPUR AWANA, LADHOWAL BYE PASS, LUDHIANA, PUNJAB
1.4	Details of Land area & Built up area:	The plot area is 14565.35 sqm (Net plot Area after road widening) and estimated built-up area after will be 40742.88 m ² .
1.5	Category under EIA notification dated 14.09.2006	The project falls under S.No. 8(a) , Category B2
1.6	Cost of the project	Total – Rs 85.00 Cr.
1.7	Compliance of Public Hearing Proceedings	Not applicable
2.	Site Suitability Characteristics	
2.1	Whether site of the industry is suitable	The site falls in the residential zone as per the notified Master Plan of Ludhiana.

	as per the provisions of Master Plan:							
2.2	Whether supporting document submitted in favour of statement at 2.1, details thereof: (CLU/building plan approval status)	A copy of the permission for Change of Land Use for Commercial Colony for the land measuring 3.6625 acres by GLADA issued vide Memo no. 1507 dated 30.12.2022 submitted.						
3	Forest, Wildlife and Green Area							
3.1	Whether the Project required clearance under the provisions of Forest Conservation Act 1980 or not:	No forest land is involved in the project. An undertaking in the prescribed format submitted. A copy of the letter issued by DFO; Ludhiana vide No. FCA/1980/815 dated 03.05.2023 submitted wherein it has been mentioned that the no forest land is involved in the project area.						
3.2	Whether the industry required clearance under the provisions of Punjab Land Preservation Act (PLPA) 1900:	No, the project does not require the clearance under the provisions of Punjab Land Preservation Act (PLPA) 1900. An undertaking in the prescribed format submitted.						
3.3	Whether industry required clearance under the provisions of Wildlife Protection Act 1972 or not:	No, the project does not require clearance under wildlife protection act 1972. An undertaking in the prescribed format submitted.						
3.5	Whether the industry falls within the influence of Eco-Sensitive Zone or not. (Specify the distance from the nearest Eco sensitive zone)	No. the project does not fall in any eco sensitive zones						
3.5	Green area requirement and proposed No. of trees:	Total area – 14832.85 sqm Net plot area 14565.35sqm No. of trees to be planted - 182						
4.	Proposal & configuration							
	<table border="1"> <thead> <tr> <th>Sr.</th> <th>Description</th> <th>Area(sqm)</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	Sr.	Description	Area(sqm)				
Sr.	Description	Area(sqm)						

No.				
1.	Plot Area as per approved Plan	14832.85		
2.	Road Widening area	267.5		
3.	Net Plot Area	14565.35		
4.	Ground Coverage	Required		Provided
		6554.4	45%	6547.79 44.95%
5.	Floor Area Ratio	Required		Provided
		1:3		1:1.61
6.	Parking	Required		Provided
		464		485
<u>COVERAGE DETAIL OF PROPOSED BUILDINGS</u>				
<u>S.No.</u>	<u>Description</u>	<u>FAR AREA(SQM)</u>	<u>Non FAR Area (SQM)</u>	<u>Total Area (SQM)</u>
<u>A</u>	BASEMENT-2	-	9643.42	9643.42
	BASEMENT-1	3737.13	5954.54	9691.67
	GROUND FLOOR	6547.79	425.95	6973.75
	FIRST FLOOR	6547.79	425.95	6973.75
	SECOND FLOOR	6547.79	425.95	6973.75
	TERRACE (MUMTIES)	-	486.55	486.55
	TOTAL		23,380.5	17,362.36
		A	B	A+B
<u>B</u>	TOTAL FAR AREA(A)	23380.50 SQM		
<u>C</u>	TOTAL BUILT UP AREA	40742.88 SQM		
The above said details are as per the layout approved from Senior Town Planner, Ludhiana.				
4.0	Population & Configuration			

4.1	Population details	5657 Persons	
5	Water		
5.1	The total population of the project shall be 5657 persons & total water requirements for the project will be about 105KLD out of which domestic fresh water demand will be approx. 42 KLD.		
	Built up area Basement and G/F= 10284.92 Sqm	1 person/ 3 sqm = 3428 persons	
	Built up area on 1st & 2nd floor = 13095.55 Sqm	1 person/ 6 sqm = 2183 persons	
	Total Population	5611 Persons	Total Water requirement
	Water requirement (90% of the total population)	5050 persons @ 15lt/person	76 M3/day
	Water requirement (10% of the total population)	561 persons @ 45lt/person	25 M3/day
	Food court	50 @35 ltr / person	2 M3/day
	Total consumption of domestic water		103 M3/day
	Total Discharge @ 80% to STP		82 M3/day
	Flushing floating	5049@10 ltr/person	50 M3/day
	Flushing permanent	561 @20 ltr/person	11 M3/day
	Green area	700 Sqm plantation and 900 sqm green area under Karnal Technology	21 M3/day
5.2	Source:	Own Tube Well	
5.3	Whether Permission obtained for abstraction/supply of the fresh water from the Competent Authority (Y/N) Details thereof	The Project Proponent submitted the application for obtaining permission for abstraction of ground water. Acknowledgement of the same is submitted.	

5.4	Cumulative Details: Water Consumption for Summer (KLD)				
	S. No.	Total water Requirement	Total wastewater generated	Flushing water requirement	Green area requirement (700 sq.m “green area” and 900 sqm “Karnal Technology”)
	1.	103 KLD	82 KLD	61 KLD	Watering plants for irrigation as per Karnal Technology (21 KLD)
5.8	Rain water harvesting proposal:	Rain water harvesting system have been proposed for artificial rain water recharge within the project premises.			
6	Air				
6.1	Details of Air Polluting Machinery and APCDs installed are as under:				
7	Waste Management				
7.1	Total quantity of solid waste generation	The quantity of MSW will be 869 kg/day.			
7.2	Details of management and disposal of solid waste (Mechanical Composter/Compost pits)	Necessary arrangements for segregation and collection of solid wastes shall be made at source. The recyclables like paper, plastic, tins etc. will be sold to authorized venders and the Municipal solid wastes will be treated through Mechanical composter.			
8	Energy Saving & EMP				
8.1	Power Consumption:	Total power demand for the proposed project will be 1850 KW which will be provided by Punjab State Power Corporation Limited (PSPCL).			
8.2	Energy saving measures:	LEDs have been proposed to be used instead of CFLs.			
9.	Details under Environment Management Plan Constructional Phase-				
	SR. NO.	PARTICULARS	APPROX. CAPITAL COST (Rs LAC)	APPROX. RECURRING COST (Rs LAC)	ITEMS COVERED
	1.	Medical Cum First Aid	1.5	0.5	First aid medical facilitywith first aid kit

2.	Toilets for workers	2.0	0.5	Toilets with septic tank
3.	Wind breaking curtains	2.0	0.5	Wind breaking walls at vulnerable areas
4.	Sprinklers for suppression of dust	2.0	0.5	Sprinklers, Pipeline
5.	Sewage Treatment Plant	40.0	---	Construction of STP
6.	Solid waste Management	8.0	--	Making arrangement for solid waste segregation & disposal
7.	Green belt development	6.0	--	Land scaping & tree plantation
8.	Rain water harvesting	6.0	--	Construction rain water harvesting well & channel
TOTAL COST		Rs 67.5	Rs 2.0	

OPERATION PHASE:

SR. NO.	PARTICULARS	RECURRING COST (Rs. LAC)	ITEMS COVERED
1.	Sewage Treatment Plant	6.0	Operation & maintenance of sewage treatment plant including salary of operators
2.	Solid Waste Segregation & disposal	2.0	Colored Bins at appropriate locations
3.	Green Belt Including Lawns coverage	4.0	Development Of green belt, watering & manuring
4	RWH	1.0	Cleaning of channels & harvesting pits

TOTAL		Rs 13.0	
ADDITIONAL ENVIRONMENTAL RESPONSIBILITY:			
S. No.	CER ACTIVITY	CAPITAL COST	RECURRING COST
1	Avenue plantation/Plantation in Community areas: 1500 trees plantation and their maintenance for 5 years	Rs 15.0 Lacs	Rs 11.0 Lacs
2	Solar Power Electrification: 60 solar lights @ Rs. 26,000/- per light including the cost of installation of poles @Rs. 22,000/-per pole	Rs 27.80 Lacs	Rs 5.2 Lacs
3	Construction /Maintenance of toilets / washrooms in village / school Village:	Rs 20.0 Lacs	Rs 6.0 Lacs
TOTAL		Rs 85 Lacs	

The Committee was satisfied with the reply given by the Project Proponent and after detailed deliberations, the Committee decided to award '**Silver Grading**' to the project proposal and decided to forward the application of the project proponent to SEIAA with the recommendation to grant Environmental Clearance for establishment of Proposed Shopping Complex "PALM MARINA" at Hadbast No. 152, Vill. Fatehpur Awana, Ladhawal Bye Pass Ludhiana, Punjab, subject to the following standard & specific conditions:

Specific Conditions:

1. The Project Proponent shall cover at least 25% of the roof top area of the building for installation of solar panels. Further, the solar panels of minimum capacity 100 KW shall be installed at roof top of the building.

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 freshwater use shall not exceed the proposed requirement as mentioned in the application proposal.
- v) 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.
- vi) 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.

- vii) The project proponent shall ensure a safe drinking water supply to the habitants. Adequate treatment facility for drinking water shall be provided, if required.
- viii) 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.
- ix) 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.
- x) 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.
- xi) Dual pipe plumbing shall be installed for supplying fresh water for drinking, cooking and bathing, etc. and other for supply of recycled water for flushing, landscape irrigation, car washing, thermal cooling, air conditioning etc.
- xii) 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.
- xiii) 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.
- xiv) 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)	Storm water	Orange

- xv) Water demand during construction should be reduced by the use of pre-mixed concrete, curing agents, and adopting other best practices.
- xvi) 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. The groundwater shall not be withdrawn without approval from the Competent Authority.
- xvii) All recharge should be limited to shallow aquifers.
- xviii) 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.
- xix) 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.
- xx) 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.
- xxi) 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 storm water drain.

- xxii) No sewage or untreated effluent would be discharged through storm water 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.
- xxiii) Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odour problem from STP.
- xxiv) Sludge from the onsite sewage treatment, including septic tanks, shall be collected, conveyed and disposed of as per the Ministry of Urban Development, Central Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.

IV. Noise monitoring and prevention

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

V. Energy Conservation measures

- i) Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured. Buildings in the States which have notified their own ECBC, shall comply with the State ECBC.
- ii) Outdoor and common area lighting shall be LED.
- iii) Concept of passive solar design that minimize energy consumption in buildings by using design elements, such as building orientation, landscaping, efficient building envelope, appropriate fenestration, increased daylighting design and thermal mass, etc. shall be incorporated in the building design. Wall, window, and roof U-values shall be as per ECBC specifications.

- iv) Energy conservation measures like the installation of LEDs for lighting the area outside the building should be an integral part of the project design and should be in place before project commissioning.
- v) Solar, wind, or other Renewable Energy shall be installed to meet electricity generation equivalent to 1% of the demand load or as per the state level/ local building bye-laws requirement, whichever is higher.
- vi) At least 30% of the rooftop area shall be used for generating Solar power for lighting in the apartments so as to reduce the power load on the grid. A separate electric meter shall be installed for solar power. Solar water heating shall be provided to meet 20% of the hot water demand of the commercial and institutional building or as per the requirement of the local building bye-laws, whichever is higher.

VI. Waste Management

- i) A certificate from the competent authority handling municipal solid waste, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from the project shall be obtained.
- ii) The Project Proponent shall install Mechanical Composter of adequate capacity to treat wet component of the Solid Waste.
- iii) Disposal of muck during the construction phase should not create any adverse effect on the neighbouring communities and should be safely disposed of taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of the competent authority.
- iv) Separate wet and dry bins must be provided in each unit and at the ground level for facilitating the segregation of waste. Solid waste shall be segregated into wet garbage and inert materials.
- v) Organic waste compost/ Vermiculture pit/ Organic Waste Converter/Mechanical Composter within the premises must be installed for treatment and disposal of the solid waste.
- vi) All non-biodegradable waste shall be handed over to authorized recyclers for which a written tie-up must be done with the authorized recyclers.
- vii) Any hazardous waste generated during the construction phase, shall be disposed of as per applicable rules and norms with the necessary approvals of the State Pollution Control Board.
- viii) Use of environment-friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction material quantity. These include Fly Ash bricks, hollow bricks, AACs, Fly Ash Lime Gypsum blocks, Compressed earth blocks, and other environmentally friendly materials.

- ix) Fly ash should be used as a building material in the construction as per the provision of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003 and 25th January, 2016. Ready-mixed concrete must be used in building construction.
- x) Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Rules, 2016.
- xi) Used CFLs and TFLs should be properly collected and disposed of or sent for recycling as per the prevailing guidelines/ rules of the regulatory authority to avoid mercury contamination.

VII. Green Cover

- i) No naturally growing tree should be felled/transplanted unless exigencies demand. Where absolutely necessary, tree felling shall be with prior permission from the concerned regulatory authority. Old trees should be retained based on girth and age regulations as may be prescribed by the Forest Department.
- ii) At least a single line plantation all around the boundary of the project as proposed shall be provided. The open spaces inside the plot should be suitably landscaped and covered with vegetation of indigenous species/variety. The project proponent shall ensure the planting of 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. The plantation to be carried out under Karnal Technology shall be in addition to the green area plantation of the project.
- 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 following activities under EMP and environmental conditions along with the responsibility matrix of the company shall be prepared and shall be duly approved by the competent authority.

Constructional Phase-

SR. NO.	PARTICULARS	APPROX. CAPITAL COST (Rs LAC)	APPROX. RECURRING COST (Rs LAC)	ITEMS COVERED
1.	Medical Cum First Aid	1.5	0.5	First aid medical facility with first aid

				kit
2.	Toilets for workers	2.0	0.5	Toilets with septic tank
3.	Wind breaking curtains	2.0	0.5	Wind breaking walls at vulnerable areas
4.	Sprinklers for suppression of dust	2.0	0.5	Sprinklers, Pipeline
5.	Sewage Treatment Plant	40.0	---	Construction of STP
6.	Solid waste Management	8.0	--	Making arrangement for solid waste segregation & disposal
7.	Greenbelt development	6.0	--	Land scaping & treeplantation
8.	Rain water harvesting	6.0	--	Construction rain waterharvesting well & channel
TOTAL COST		Rs 67.5	Rs 2.0	

OPERATION PHASE:

SR. NO.	PARTICULARS	RECURRING COST (Rs. LAC)	ITEMS COVERED
1.	Sewage Treatment Plant	6.0	Operation & maintenance of sewage treatment plant including salary of operators
2.	Solid Waste Segregation & disposal	2.0	Colored Bins at appropriate Locations
3.	Green Belt Including Lawns coverage	4.0	Development Of green belt, watering & manuring
4	RWH	1.0	Cleaning of channels & harvesting pits
TOTAL		Rs 13.0	

ADDITIONAL ENVIRONMENTAL RESPONSIBILITY:			
S. No.	CER ACTIVITY	CAPITAL COST	RECURRING COST
1	Avenue plantation/Plantation in Community areas: 1500 trees plantation and their maintenance for 5 years	Rs 15.0 Lacs	Rs 11.0 Lacs
2	Solar Power Electrification: 60 solar lights @ Rs. 26,000/- per light including the cost of installation of poles @Rs. 22,000/-per pole	Rs 27.80 Lacs	Rs 5.2 Lacs
3	Construction /Maintenance of toilets /washrooms in village / school Village:	Rs 20.0 Lacs	Rs 6.0 Lacs
TOTAL		Rs 85 Lacs	

XI. Validity

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

XII. Miscellaneous

- ii) 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.
- iii) The project proponent shall comply with the conditions of CLU, if obtained.
- iv) The project proponent shall prominently advertise in at least two local newspapers of the District or State, of which one shall be in the vernacular language within seven days indicating that the project has been accorded environment clearance and the details of MoEF&CC/SEIAA website where it is displayed.
- v) The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn have to publicly display the same for 30 days from the date of receipt.
- vi) The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on a half-yearly basis.

- vii) 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.
- viii) 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.
- ix) 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.
- x) The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
- xi) 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.
- xii) 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.
- xiii) 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.
- xiv) This Environmental Clearance is granted subject to final outcome of pending related cases in the Hon'ble Supreme Court of India, Hon'ble High Courts, Hon'ble NGT and any other Court of Law as may be applicable to this project.

XIII. Additional Conditions

- i) The approval is based on the conceptual plan/drawings submitted with the application. In case, there is variation in built-up area/green area/ any other details in the drawings

approved by the competent authority, the Project Proponent shall obtain the revised Environmental Clearance.

- ii) The Project Proponent shall ensure that the natural drainage channels in the project site including streams, drains, choes, creeks, rivulets, etc. are not disturbed so that the natural flow of rainwater, etc is not impeded or disrupted in any manner.
- iii) Authorization from Punjab Pollution Control Board shall be obtained as applicable under the Bio-Medical Waste Management Rules 2016 as amended from time to time.
- iv) The solid waste other than Bio-Medical Waste & Hazardous Waste (dry as well as wet garbage) generated should be properly collected and segregated before disposal to Municipal Authorities in accordance with the Municipal Solid Waste (Management & Handling) Rules, 2000. No municipal waste should be disposed off outside the premises in contravention of relevant rules and by-laws. Adequate measures should be taken to prevent any malodour in and around the Project premises.
- v) In the event that the project proponent decides to abandon/close the Project at any stage, he shall submit an application in the prescribed form along with requisite documents through Parivesh to SEIAA for surrendering the Environmental Clearance as per the procedure prescribed in OM dated 29.03.2022 issued by the MoEF&CC. The project proponent shall be accountable for adherence/compliance of the EC conditions till such time as the project is finally closed by SEIAA, based upon the certified closure report of Integrated Regional Offices (IROs) of MoEF&CC, Chandigarh/PPCB.
- vi) This Environmental Clearance is liable to be revoked without any further notice to the Project Proponent in case of failure to comply with condition (v) above.
- vii) Concealing factual data or submission of false/fabricated data may result in revocation of this Environmental Clearance and attract action under the provisions of Environment (Protection) Act, 1986.
- viii) The Project Proponent shall manage the solid waste generated from the project as per the sub-rule-7 of rule-4 of SWM Rules 2016.
- ix) The Ministry reserves the right to stipulate additional conditions if found necessary. The Promoter Company in a time bound manner shall implement these conditions.
- x) The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and other wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India/High Courts and any other Court of Law relating to the subject matter.

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

Deliberations during 260th meeting of SEIAA held on 12.09.2023

The case was considered by SEIAA in its 260th meeting held on 12.09.2023 which was attended by the following:

- i) Dr. Ranjna Sharma, Environmental Consultant M/s. Chandigarh Pollution Testing Laboratory.
- ii) Mr. Deepak Gupta, Environmental Advisor.
- iii) Sh. Sital Singh, Environmental Consultant M/s CPTL.

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

To a query by SEIAA regarding the plantations to be raised within the project premises, Environmental Consultant informed that 200 Trees would be planted in the 900 sqm of area to be developed as per Karnal Technology and 190 Trees would be planted as a green belt along the boundary wall of the project.

To another query by SEIAA regarding AEA activities, the environmental consultant submitted that Additional Environmental Activities would be undertaken as under:

S.NO.	ADDITIONAL ENVIRONMENTAL ACTIVITY (1%)	CAPITAL / RECURRING COST (Rs.)
1	Plantation on roadside areas: about 800 trees plantation and their maintenance for 5 years Village Thakkarwal to Dev Nagar Ludhiana (About 1km)	Rs 16 Lacs
2	Solar Power Electrification: 60 solar lights @ Rs. 26,000/- per light including the cost of installation of poles @Rs. 22,000/- per pole (Village Fatehpur Awana Ludhiana)	Rs 33 Lacs
3	An amount of Rs. 18 Lacs shall be deposited in 03 installments i.e 6 lacs each in Dec 2023, June 2024 and Dec 2024 for Green Area development in the Greening Punjab Mission revenue head of the state treasury through the concerned DFO after grant of EC	Rs 18 Lacs
4	5KW solar power plant and Maintenance of toilets / washrooms at Govt. middle School Thakarwala Ludhiana	Rs 18 Lacs

	TOTAL	Rs 85 Lacs
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SEIAA was satisfied with reply of the project proponent. A copy of the revised presentation submitted by project proponent was also taken on record.

After detailed deliberations and examination of relevant documents, SEIAA decided to accept the recommendations of SEAC and grant Environmental Clearance for establishment of commercial project namely "Palm Marina" in an area of 14,832.85 sqm having built up area of 40,742.88 sqm located at hadbast no. 152, village Fatehpur Awana, Ladhawal Bye pass, Ludhiana, Punjab by M/s Rauni Developers Pvt. Ltd., as per the details mentioned in the application and subsequent presentation /clarifications made by the project proponent and his consultant with proposed measures and subject to the conditions proposed by SEAC and amended/additional conditions as under:

Amended Condition no. iii) of the Environmental Management Plan

- III. An action plan for implementing following activities under 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 year marked for Environmental Protection shall be kept in separate account and not to be diverted for any purposes. The project proponent shall spend the following amount towards the capital cost and recurring cost in the construction phase of the project:

Constructional Phase-

SR. NO.	PARTICULARS	APPROX. CAPITAL COST (Rs LAC)	APPROX. RECURRING COST (Rs LAC)	Operation phase (Recurring Cost)
1.	Medical Cum First Aid	1.5	0.5	
2.	Toilets for workers	2.0	0.5	
3.	Wind breaking curtains	2.0	0.5	

4.	Sprinklers for suppression of dust	2.0	0.5	
5.	Sewage Treatment Plant	40.0	---	6.0
6.	Solid waste Management	8.0	--	2.0
7.	Greenbelt development	6.0	--	4.0
8.	Rain water harvesting	6.0	--	1.0
TOTAL COST		Rs 67.5	Rs 2.0	13.0

Table-1

ADDITIONAL ENVIRONMENTAL RESPONSIBILITY:		
S.NO.	ADDITIONAL ENVIRONMENTAL ACTIVITY (1% of the project cost)	CAPITAL / RECURRING COST (Rs.)
1	Plantation on roadside areas: about 800 trees plantation and their maintenance for 5 years Village Thakkarwal to Dev Nagar Ludhiana (About 1km)	Rs 16 Lacs
2	Solar Power Electrification: 60 solar lights @ Rs. 26,000/- per light including the cost of installation of poles @Rs. 22,000/- per pole (Village Fatehpur Awana Ludhiana)	Rs 33 Lacs
3	Green Area development in the Greening Punjab Mission revenue head of the state treasury through the concerned DFO	Rs 18 Lacs
4	5KW solar power plant and Maintenance of toilets / washrooms at Govt. middle School Thakarwala Ludhiana	Rs 18 Lacs

Additional Condition

- 1) The PP will commence the tree plantation work within the project premises at the earliest and complete the same within 1 year. 8 ft tall plants of indigenous tree species should be used for plantation.

- 2) As proposed, the project proponent shall deposit total Rs 18 Lacs in 03 installments i.e 6 lacs each in Dec 2023, June 2024 and Dec 2024 for Green Area development in the Greening Punjab Mission revenue head of the state treasury through the concerned DFO after grant of EC as specified at S No. 3 of Table 1 in the following Budget Head:

Demand No.	32- Forestry and Wildlife
Major Head	0406 – Forestry and Wildlife
Sub-Major Head	01 – Forestry
Minor Head	102- Receipts from Social and Farm Forestry
Sub-Head	03 – Green Punjab Mission
Detailed Head	01- Green Punjab Mission Fees

Item no. 260.12: Application for Environment Clearance for expansion in steel manufacturing unit namely M/s Belco Special Steels Pvt. Ltd at village Turan, Amloh Road, Mandi Gobindgarh, District Fatehgarh Sahib, Punjab (Proposal No. SIA/PB/IND1/423731/2023).

The industry is an existing steel rolling mill and was granted consent to operate under the provisions of the Water Act 1974 and Air Act 1981 for the manufacturing of alloy/non alloy steel bars @ 250 MTD (87,500 TPA). The Consents are valid up to 31.12.2026.

The industry was granted Terms of Reference under EIA notification dated 14.09.2006 vide letter No. SEIAA/MS/2021/4932 dated 14.12.2021 for manufacturing of Alloys Steel Bars @ 1,80,000 TPA by installing 2 Induction Furnaces of capacity 18 TPH each. The total area of the project is 41,824.27sqm. (10.33 acres or 4.18Ha.).

The industry has applied for Environmental Clearance for expansion under the EIA notification dated 14.09.2006. The industry is covered under category 3 (a) of the schedule appended with the EIA notification dated 14.09.2006. The total cost of the project is Rs. 51.50 Cr.

The industry has submitted the online Form, Pre-feasibility report and other additional documents on online portal. He has also deposited fee of Rs. 1,28,750/- through UTR No. N225211600853398 dated 13.08.2021 at ToR stage and the remaining 75% of the fee i.e. Rs. 3,86,250/- vide UTR No. HDFCR52023030988729163 dated 09.03.2023. The adequacy of the fee has been checked & verified by the supporting staff of SEIAA.

Punjab Pollution Control Board vide letter No. 14384 dated 05.07.2022 forwarded comments w.r.t suitability of site, adequacy of pollution control equipment's and construction status etc. as under:

"To check the construction status as asked by SEAC, the proposed project site was visited by A.E.E. of Regional Office, Fatehgarh Sahib on 26/08/2021 and has reported that the unit had obtained auto generated consent to establish (NOC) vide no. CTE/Fresh/FGS/2020/14583058 dated 21/12/2020 valid upto 21/12/2021 for setting up of PNG based rolling mill under medium scale green category for manufacturing of Alloy/ Non alloy Steel Bars @ 250 MTD, but the industry has not applied for obtaining consent to operate' for the said project. As per the representative of the industry, they have made the proposal for expansion of the project by including induction furnaces as per market demand and now they have applied for obtaining Environmental Clearance under EIA notification dated 14.09.2006 During visit, it was observed as under:

Sr. No.	Information sought by SEAC	Comments of the Board
1.	<i>Comments regarding suitability of site.</i>	<i>The site of the industry falls in the industrial zone as per Master Plan of Mandi Gobindgarh (2010-31). No specific siting guidelines have been framed by the Board for such type of units. Therefore, the site of the industry is suitable for the proposed project.</i>
2.	<i>Adequacy of pollution control equipment's.</i>	<p><i>Air Pollution- The Industry has proposed to install 2 no. Induction furnaces of capacity 15 TPH Each and 1 no. PNG based rolling mill. It has proposed to install side suction hood, Spark arrestor, Bag house and ID fan as APCD for the proposed induction Furnaces.</i></p> <p><i>Water Pollution – There will be no generation of trade effluent. However, domestic effluent @ 16 KLD to be generated and the same will be treated in STP of 20 KLD capacity. The treated water will be used for plantation/ Green area.</i></p> <p><i>Hazardous waste- The industry will generate hazardous waste of category 35.1 of Schedule-I about 1.5 TPD and 5.1 about 0.2 KL/ year, which will be disposed off to authorized recycler respectively as per Hazardous & Other Waste (Management & Transboundary Movement) Rules, 2016.</i></p>
3.	<i>Construction Status</i>	<i>The industry has not started any construction activity w.r.t. proposed expansion project. However, the industry is in-process of establishing PNG based rolling mill unit for which, it has obtained NOC vide no. CTE/ FREH/ FGS/2020/14583058 21/12/2020 valid upto 21/12/2021 as mentioned above. During visit, it was observed that it has constructed industrial shed and was in-process of installation of rolling mill machinery.</i>

Deliberations during 245th meeting of SEAC held on 24.04.2023.

The meeting was attended by the following:

- (i) Sh. Jagjit Singh, General Manager M/s Belco Special Steels Pvt. Ltd.
- (ii) Mr. Sandeep Garg, Environmental Consultant M/s Eco Laboratories Pvt Ltd.
- (iii) Mrs. Jyoti Rani, EC-Coordinator M/s Eco Laboratories Pvt Ltd.

The Committee allowed the Department & Environmental Consultant to present the salient features of the application proposals. Thereafter, the Environmental Consultant present the case as under:

Sr. No.	Description	Details
1	Basic Details	
1.1	Name of Project & Project Proponent:	M/s Belco Special Steels Pvt. Ltd. Dinesh Garg Director
1.2	Location of Industry:	Village Turan, Amloh Road, Mandi Gobindgarh, Distt. Fatehgarh Sahib, Punjab
1.3	Details of Land area & built-up area:	The total land area is 41,824.27 sq.m (10.33 acres).
1.4	Category under EIA notification dated 14.09.2006	The project falls under S.No. 3(a) – Metallurgical Industries
1.5	Cost of the project	Total – Rs 51.50 Cr.
1.6	Compliance of Public Hearing Proceedings	Detailed Action Plan along with timeline and Budget allocation is given as Annexure B .
2.	Site Suitability Characteristics	
2.1	Whether site of the industry is suitable as per the provisions of Master Plan:	Yes, the site falls in approved existing Industrial zone
2.2	Whether supporting document submitted in favour of statement at 2.1, details thereof: (CLU/building plan approval status)	The project falls in Industrial area as per the Master Plan of Mandi Gobindgarh. The industry is an existing unit having Rolling Mill & Reheating Furnace only and has not proposed to increase area for carrying out expansion.
3	Forest, Wildlife and Green Area	
3.1	Whether the industry required clearance under the provisions of Forest Conservation Act 1980 or not:	Application submitted for Forest Clearance for approach road and presently, in process.
3.2	Whether the industry required clearance under the provisions of Punjab Land Preservation Act (PLPA) 1900:	No, the industry does not require the clearance under the provisions of Punjab Land Preservation Act (PLPA) 1900. Undertaking in the prescribed format submitted.
3.3	Whether industry required clearance under the provisions of Wildlife Protection Act 1972 or not:	No wildlife sanctuary is involved in the vicinity or study area of the project site. Undertaking in the prescribed format submitted.

3.5	Whether the industry falls within the influence of Eco-Sensitive Zone or not. (Specify the distance from the nearest Eco sensitive zone)	Not applicable.			
3.6	Green area requirement and proposed No. of trees:	33.11% (13,847.58 sq.m) of total area will be developed as the green belt. A total of 2,077 trees will be planted.			
4.	Raw material, Products and Machinery details are as under:				
	S.No.	PARTICULARS	EXISTING	PROPOSED	TOTAL
	A.	PROPOSED CAPACITY OF FURNACES			
	1.	Induction Furnace	-	2X18 TPH each	2X18 TPH each
	2.	Reheating Furnace	1	--	1
	3.	Rolling Mill	1	--	1
	B.	PRODUCTS (TPA)			
		Alloy/Non-Alloy Steel Bars	87,500 TPA	92,500 TPA	1,80,000 TPA
	C.	RAW MATERIAL (TPA)			
	1.	Scrap & Ferro Alloys/ Steel Ingots/ Billets	94,500 TPA	102,060 TPA	1,96,560 TPA
	D.	GENERALS			
	1.	Project Cost (Crores)	Rs. 20.36	Rs. 31.14	Rs. 51.50
	2.	Land (Sq.m.)	41,824.27 sq.m	Nil	41,824.27 sq.m
	3.	Power (MW)	2	13	15
	4.	DG Set	1 x 250 KVA	-	1 x 250 KVA
	4.	Manpower (Nos.)	150	290	440
	5.	Working days	350 working days in year		
4.1	Population details	Existing Manpower – 150 Additional - 290 Total- 440			
5	Water				
5.1	Total water requirement:	137 KLD			
5.2	Source:	Own Tube Well			

5.3	Whether Permission obtained for abstraction/supply of the fresh water from the Competent Authority (Y/N) Details thereof	Application has been submitted to PWRDA for permission of groundwater extraction. Complete application set along with Annexures has been submitted. Further, no forest land is involved in the proposed land area of the industry.		
5.4	Total water requirement for domestic purpose:	20 KLD		
5.4.1	Total wastewater generation:	Industrial Effluent – Nil Domestic wastewater – 16 KLD		
5.4.2	Treatment methodology for domestic wastewater: (STP capacity, technology & components)	No wastewater is generated from the industrial operations. However, 16 KLD domestic waste water will be treated in STP of capacity 20 KLD based on MBBR technology and treated wastewater thereafter shall be used in cooling purpose.		
5.5	Total water requirement	Total Water requirement- 137 KLD		
5.5.1	Total effluent generation:	There are no generations of effluents from process.		
5.5.2	Treatment methodology for industrial wastewater: (ETP capacity, technology & components)	NA		
5.6	Details of utilization of treated wastewater into green area in summer, winter and rainy season	The wastewater generated from domestic will be treated through STP and will be used for cooling purpose within premises.		
5.7	Cumulative Details: Water Consumption for Summer (KLD)			
	Description	Existing (KLD)	Proposed (KLD)	Total (KLD)
	Domestic	10 KLD	10 KLD	20 KLD
	Cooling (makeup water)	5 KLD	36 KLD	41 KLD
	Green area	0	76 KLD	76 KLD
	Total	15 KLD	122 KLD	137 KLD
	Cumulative Details: Water Consumption for Winter (KLD)			
	Description	Existing (KLD)	Proposed (KLD)	Total (KLD)
	Domestic	10 KLD	10 KLD	20 KLD
	Cooling (makeup water)	5 KLD	36 KLD	41 KLD
	Green area	0	25 KLD	25 KLD
	Total	15 KLD	122 KLD	86 KLD
	Cumulative Details: Water Consumption for Monsoon (KLD)			

	Description	Existing (KLD)	Proposed (KLD)	Total (KLD)	
	Domestic	10 KLD	10 KLD	20 KLD	
	Cooling (makeup water)	5 KLD	36 KLD	41 KLD	
	Green area	0	7 KLD	7 KLD	
	Total	15 KLD	53 KLD	68 KLD	
5.8	Rain water harvesting proposal:	<p>Outside: The industrial unit has adopted one village pond for rain water harvesting. The total recharge potential will be 60,825 KL/Annum. NOC obtained from Sarpanch is submitted.</p> <p>Inside: - 3 tanks of 50 KL are proposed for inside rain water harvesting using roof top of the project.</p>			
6	Air				
6.1	Details of Air Polluting Machinery and APCDs installed are as under:				
	S.No.	Source	Existing	APCD	
	1.	Induction Furnace	--	--	
	2.	Electric Arc Furnace	--	--	
	3.	Reheating Furnace	1	Not required, as fuel used is PNG	
	4.	Concast Machine	--	--	
	5.	DG Set	1 X 250 KVA	Stack with adequate height	
	AFTER EXPANSION				
	S. No.	Source	After Expansion	APCD	
	1.	Induction Furnace	2 x 18 TPH	Pulse Jet Bag filters with offline Technology having efficiency more than 99.9%.	
	2.	Electric Arc furnace	--		
	3.	Reheating Furnace	1	Not required, as fuel used is PNG	
	4.	Concast Machine	01 No.	--	
	5.	DG Set	1X250 KVA	Stack with adequate height	
7	Waste Management				
7.1	Total quantity of solid waste generation	Solid Waste			
		S. No.	Waste Category	Existing	After Expansion
		1.	Slag	0	17 TPD
					20% reused for metal recovery & remaining 80% will be given to

						M/s Shiva Tile Works for co-processing.
7.2	Details of management and disposal of solid waste (Mechanical Composter/Compost pits)	Disposal of Solid waste will be as per SWM Rules, 2016				
7.3	Details of management of Hazardous Waste.	Solid/ Hazardous Waste				
		S. No.	Waste Category	Existing	After Expansion	Disposal
		1.	Category 35.1 APCD dust	-	1.5 TPD	APCD dust will be given to M/s Madhav KRG Ltd.
		2.	Category 5.1 Used oil	-	0.2 KLA	Used oil given to authorised vendor.
8	Energy Saving & EMP					
8.1	Power Consumption:	Existing – 2 MW Additional – 13 MW After Expansion – 15 MW Source - Punjab State Power Corporation Limited, Punjab				
8.2	Energy saving measures:	LEDs have been proposed to be used instead of CFLs. Energy efficient Induction Furnace and other machinery will be installed.				
9.	CER Activities	CER activities -Based on Public hearing issues the following CER activity will be carried out				
		S. No.	Activities	Budget allocations (in Lakhs)		
		1.	Rejuvenation of Village pond Adoption of pond located in Village Salani for rainwater harvesting and maintenance as per measures given below: i. Nano-Bubble technology to treat wastewater discharge into the pond ii. Tree plantation of 6 ft. size around the pond iii. Removal of solid waste, sludge, silt from the pond iv. Landscaping around the pond	25		

		2.	Education Facilities to be provided in Jawahar Lal Nehru Govt. College as per their actual requirement: 1) One Submersible Motor (10 HP) 2) One Water cooler (100 L) 3) 10 Wi-Fi cameras in campus area 4) One printer set of HP 5) 70 LED Tubes 6) 20 Ceiling Fan 7) Rainwater Harvesting System (Construction of storage tank for collection of runoff from college building) 8) 10 Street Lights 9) Curtains for Girls common room 10) Big Size Inverter (2500 Watt) 11) Compost Pit 12) Repair of Generator set	11.5 0.40 0.40 0.50 0.25 0.25 0.30 8 0.75 0.10 0.15 0.20 0.20
		3.	As per proceedings with Public hearing Aid for Cancer patients in coordination with Gram Panchayat of Village Tooran	15
		Total		Rs. 51.5 Lakhs
10.	EMP BUDGET			
	S. No.	Environmental Protection Measures	Capital Cost (Rs. in lakhs)	Recurring Cost (Rs. in lakhs/year)
	1.	Air Pollution Control (Installation, operation and maintenance of APCD and OCMS)	150	3
	2.	Water Pollution Control (Installation, operation and maintenance of STP of capacity 20 KLD)	20	1.5
	3.	Noise Pollution Control (Acoustic enclosure for DG set)	3	1
	4.	Green belt development and landscaping	21	7
	5.	Solid Waste Management (Management & disposal of domestic solid waste, slag and Hazardous waste)	3	0.5

6.	Environment Monitoring & Management	3	5	
7.	Health, Safety & Risk Assessment (Medical check-up, ESI of workers, Masks, PPE Kits, Ear plugs)	2	1	
8.	Miscellaneous	2	0.5	
Total		Rs. 204 lakhs	Rs. 19.5 lakhs	

Annexure B

S. No.	Name & address of the person	Detail of query/ statement/ information/ clarification sought by the person present	Reply of the query/ statement/ information/ clarification given by the project proponent	Action plan
1.	Mr. Rajwant Singh, President, Ekta Club, Village Tooran, Mandi Gobindgarh	As per the EIA study report, 440 workers will be working in the proposed plant/Industry, how the company has calculated water requirement for the said workers mentioned in the report. He further said that water was being misused by the washing of tractor at the entrance of the factory and he also asked which officer has prepared the EIA report.	Environment consultant has replied that the quantity of fresh water requirement is calculated as 121.5 KLD by considering average consumption of fresh water as 45 ltr/person/day. She further stated that the workers will work in the factory and they will leave the factory after working according to their shifts. She also said that there would be no water pollution in the proposed project. There will be only generation of domestic wastewater which will be discharged onto land for plantation after passing through septic tank.	The domestic water will be treated in STP of capacity 20 KLD and treated water will be reused for cooling purpose. Also, we have proposed rain water harvesting within project premises by collecting the runoff from rooftop are of the proposed sheds. This water shall be reused for horticulture/ sprinkling purpose at loading and unloading areas. Thus, the industry shall strictly adhere to water conservation to the maximum extent. In addition to above, the amount of Rs. 25 lakhs has been proposed for pond rejuvenation under Corporate Environment Responsibility (CER).
2.	Mr. Sandeep Singh, Village	He stated that the industry has proposed	Environmental consultant replied that	No action plan required.

	Tooran, Mandi Gobindgarh, Distt. Fatehgarh Sahib	its project in a large area but in spite of this, it has not made any plantation.	any construction activity in area will be carried out only after obtaining Environmental Clearance under EIA Notification 2006 and she assured to fulfill the condition of plantation before commissioning of the project, Further, Environmental Engineer, Punjab Pollution Control Board, Fatehgarh Sahib informed the public that as per the EIA notification, the industry cannot start any construction/development activity before obtaining Environmental clearance.	
3.	Mr. Satnam Singh, Former Sarpanch, Village Tooran, Mandi Gobindgarh, Distt. Fatehgarh Sahib	He stated that the ground water of village Tooran has become very poor, which leads to the spread of deadly diseases like cancer.	Environmental Consultant replied that the Industry will not generate any water pollution. Also, it will install STP for treatment of domestic effluent.	Monitoring of ground water has been done at project location and in 10 km study area. The ground water is suitable for drinking purpose and no heavy metal contamination detected. Although, industrial unit has proposed Rs. 15 lakhs under Corporate Environment Responsibility (CER) for aid of Cancer patients in coordination with Gram Panchayat of Village Tooran.
4.	Mr Inderjit Singh, Village Tooran,	He stated that there would be bad impact of the industry on the	Environment Consultant replied that the Industry has	The industrial unit has proposed Rs. 11.5 lakhs under Corporate

	Mandi Gobindgarh, Distt. Fatehgarh Sahib	nearby Government college and what measures will be taken by the industry to save society.	proposed steel manufacturing unit by installing 2 no. Induction furnaces of capacity 18 TPH and 1 no. rolling mill. It has proposed to install side suction hood, spark arrester, Bag house and ID fan as APCD for Induction furnaces to control air pollution. She further mentioned that another unit in the name of M/s Behari Lal Ispat is also being run by the owners of the proposed project and in the CSR activities of said industry, free books and other kinds of social help is being provided to public and other required items are generally distributed in the nearby schools.	Environment Responsibility (CER) for providing various facilities to Jawahar Lal Nehru Govt. College as per their actual requirement. Also, plantation shall be developed along the project boundary with native species.
5.	Mr. Rajwant Singh, President, Ekta Club, Village Tooran, Mandi Gobindgarh	He stated that whether the youth of Village Tooran will get employment after commissioning of this project. He further questioned regarding disposal of waste generated from the proposed project.	Environmental consultant replied that the residents of nearby villages will be given employment on priority basis as per their qualifications/ skills. Further, she replied that the industry will not generate any water pollution. Also, it will install STP for treatment of domestic effluent. And the proposed plant will sign an agreement with M/s Madhav KRG	The manpower requirement for the said unit will be 440 workers (including technical & non-technical). Preference will be given to the people of nearby villagers as per their qualification and skills. Also, overall amount of Rs. 50.5 lakhs have been proposed under various Corporate Environment Responsibility (CER). Such as: <ul style="list-style-type: none"> Rs. 25 lakhs for Rejuvenation of pond

			<p>Environmental Solution (P) Ltd. for disposal of hazardous waste of category 35.1. Thereafter, Sh. Dinesh Garg, representative of industry said that they will have to spend Rs. 6.5 lacs for CSR activities. Apart from this, he has assured the public that whatever work will be required in the village, they will do the same after commissioning of project. He has also mentioned that they have planted green area in 18 Bighes Another project in the name M/s Behari Lal Ispat and they have also constructed Seechewal Model village pond at village Salani.</p>	<p>located in the Village Salani</p> <ul style="list-style-type: none"> • Rs. 11.5 for providing various facilities to Jawahar Lal Nehru Govt. College as per their actual requirement. • Rs. 15 lakhs for aid of Cancer patients in coordination with Gram Panchayat of Village Tooran.
6.	Mr. Rajwant Singh, President, Ekta Club, Village Tooran, Mandi Gobindgarh	He stated that there are many cancer patients in the village that must be considered by proposed project. He further stated that Govt. is not taking action against the existing polluting industries.	Sh. Dinesh Garg, representative of the industry requested that the villagers to provide their suggestions/ demands in writing, so that they may incorporate the same in their CSR plan. He further assured that they will try to include the point raised by Sh. Rajwant Singh in the CSR plan of industry. He said that out of the income generated by the proposed industry,	Overall amount of Rs. 50.5 lakhs (@ 1% of the total project cost) have been proposed under various Corporate Environment Responsibility (CER). Such as: <ul style="list-style-type: none"> • Rs. 25 lakhs for Rejuvenation of pond located in the Village Salani • Rs. 11.5 for providing various facilities to Jawahar Lal Nehru Govt. College as per their actual requirement.

			they will do their best for the welfare of the village and Environmental Engineer, Punjab Pollution Control Board, Fatehgarh Sahib informed that the Department is already taking action against the polluting units and also imposing them fine on the basis of Polluter Pays Principle.	<ul style="list-style-type: none"> Rs. 15 lakhs for aid of Cancer patients in coordination with Gram Panchayat of Village Tooran.
7.	Mr. Malkeet Singh, Village AmbeyMajra, Mandi Gobindgarh	He stated that air pollution is being caused by the industries during night time and Punjab Pollution Control Board should increase night surveillance and to take stringent action against the polluting units.	Environmental Engineer, Punjab Pollution Control Board. Fatehgarh Sahib informed that surprise checking of the industries during day and night hours is already being done and the officers have been assigned duties according to their area and they are also conducting surprise checking from time to time.	No action required.

During meeting, the Committee observed that the industry has not submitted correct details of the production capacity in terms of existing, proposed and total after expansion and is required to revise the said details. In this regard, the industry submitted the revised details as under:

S. No.	Description	Existing	Proposed/ Additional	Total (After Expansion)
1.	Project Area	41,824.27 sq.m (10.33 acres)		
2.	Rolling Mill	250 TPD	264 TPD	514 TPD
3.	Induction Furnace	Nil	2 × 18 TPH (514 TPD)	2 ×18 TPH (514 TPD)
4.	Continuous Casting Machine (CCM)	Nil	1 No.	1 No.

5.	Production capacity	250 TPD with existing Rolling mill	264 TPD	514 TPD or 1,80,000 TPA
6.	Raw materials	270 TPD of Billets/Ingots*	562 TPD of Scrap & Ferro alloys	562 TPD of Scrap & Ferro Alloys
7.	Products	Alloys/Non-Alloys Steel Bars		

The Committee further observed that as per the application proposal, the industry has applied for obtaining permission for access road under the provisions of the Forest Conservation Act, 1980. In this regard, the industry apprised the Committee that Stage-1 Forest Clearance had already been obtained for access road of area 0.0106 Ha and submitted a copy of letter dated 05.04.2023 addressed to Dy. Director General of Forests, Govt. of India by Secretary, Department of Forest & Wildlife in this regard. The Committee took a copy of the same on record.

The Committee perused the action plan prepared by the industry to address the queries raised by general public during public hearing and observed that Sh. Inderjit Singh, Village Tooran, alleged that there would be bad impact of the industry on the nearby Government college and what measures would be taken by the industry to save society. In this regard, the industry stated that APCD will be provided with the air polluting machinery. The Committee noted the same and asked the industry to provide noise reflector sheets on walls facing towards Jawaharlal Nehru Govt of College and include the cost of the same in the proposed CER activity. The industry agreed to the same and submitted the revised CER activities after incorporating the cost of the noise reflectors sheets in the CER as under:

S. No.	Activities	Total Expenditure (in Lakhs)
1.	Rejuvenation of Village Pond Adoption of pond located in Village Salani for rainwater harvesting and maintenance as per measures given below: v. Nano-Bubble technology to treat wastewater discharge into the pond vi. Tree plantation of 6 ft. size around the pond vii. Removal of solid waste, sludge, silt from the pond viii. Landscaping around the pond	25

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

II. Air quality monitoring and preservation

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

- ii. The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through laboratories recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
 - iii. The project proponent shall install a system to carry out Manual Ambient Air Quality monitoring for parameters relevant to the main pollutants released (e.g. PM₁₀ and PM_{2.5} 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 within and three outside the plant area at an angle of 120° each), covering upwind and downwind directions.
 - iv. The project proponent shall submit monthly summary report of continuous stack emission and air quality monitoring and results of manual stack monitoring and manual monitoring of air quality/ fugitive emissions to the Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.
 - v. Appropriate Air Pollution Control (APC) system shall be provided for all the dust-generating points including fugitive dust from all vulnerable sources.
 - vi. The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.
 - vii. Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, etc. regularly.
 - viii. Recycle and reuse of iron ore fines, coal and coke fines, lime fines and such other fines collected in the pollution control devices and vacuum cleaning devices in the process after briquetting/ agglomeration should be ensured.
 - ix. The project proponent shall use leak-proof trucks/dumpers carrying coal and other raw materials and cover them with tarpaulin.
 - x. The project proponent shall provide covered sheds for raw materials like scrap and sponge iron, lump ore, coke, coal, etc.
 - xi. The project proponent shall provide primary and secondary fume extraction system at all melting furnaces.
 - xii. Design and implementation of the ventilation system for adequate air changes as per the ACGIH document for all tunnels, motor houses, Oil Cellars should be ensured.
- III. Water quality monitoring and preservation**
- i. The project proponent shall monitor regularly ground water quality at least twice a year (pre and post-monsoon) at sufficient numbers of piezometers/ sampling wells in the plant and adjacent areas through labs recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories.

- ii. Garland drains and collection pits shall be provided for each stock pile to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run off.
- iii. The project proponent shall practice rainwater harvesting to the maximum possible extent. For this, 1 no. of pond at Village Turan, District Fatehgarh Sahib shall be adopted to recharge the water. As an additional safety measure, the stream carrying waste water of the village shall be diverted in one corner of Phytoid plants trench (designed based on the technology developed by CSIR-NEERI's) divided into different parts, the overflow of each chamber shall be allowed to enter into another chamber which will ultimately lead to the purification of water and collected into the pond to avoid any contamination of ground water aquifer. Pond water will percolate through natural strata (without injection) to augment the ground water and remaining water shall be used for irrigation purposes by pumping method in the nearby fields.
- iv. The project proponent shall make efforts to minimize water consumption in the steel plant complex by segregation of used water, practicing cascade use and by recycling treated water.

IV. Noise monitoring and prevention

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

V. Energy Conservation measures

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

VI. Waste management

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

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

VII. Green Belt

- i. Green belt shall be developed in an area of 13847.58 Sqm with native tree species in accordance with SEIAA guidelines. Total 2077 tall saplings (minimum 6 feet height) of indigenous species such as Neem, Drek, Kusum, Kadam, Banyan, Peepal, Amaltas, Arjun, Chakarasia etc will be planted.

VIII. Public hearing and Human health issues

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

IX. Environment Management Plan

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

- ii. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of Senior Executive, who will directly report to the head of the organization.
- iii. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and will not be diverted for any other purpose. The project proponent shall spend a minimum amount of Rs 358.5 Lakhs towards the capital cost and Rs 49.10 Lakhs/annum towards recurring cost including the environmental monitoring cost for the implementation of EMP as proposed in application proposal.
- iv. Year-wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six-Monthly Compliance Report along with the Six-Monthly Compliance Report.
- v. Self-environmental audit shall be conducted annually. Every three years third-party environmental audit shall be carried out.
- vi. All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the plants shall be implemented.

X. Validity

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

XI. Miscellaneous

- i. The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition, this shall also be displayed in the project proponent's website permanently.
- ii. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
- iii. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
- iv. The project proponent shall monitor the criteria pollutants level namely; PM₁₀, SO₂, NO_x (ambient levels as well as stack emissions) or critical sector all parameters, indicated for

the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.

- v. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the Ministry of Environment, Forest and Climate Change at environment clearance portal.
- vi. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
- vii. The project proponent shall inform the Regional Office of the Ministry and PPCB, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
- viii. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
- ix. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the SEAC and SEIAA.
- x. No further expansion or modifications in the project shall be carried out other than those permitted in this EC without prior approval of SEIAA. In case of deviation or alterations in the project proposal from those submitted to the Ministry/SEIAA for clearance, a fresh reference shall be made to the Ministry/SEIAA, as applicable, to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
- xi. The Regional Office, MoEF&CC, Chandigarh, Punjab Pollution Control Board and SEIAA/SEAC members nominated for the purpose shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer(s) entrusted with this monitoring by furnishing the requisite data/ information/monitoring reports.

XIII. Additional Conditions:

- i. The project proponent shall submit the progress of developing the green belt in the six-monthly compliance report.
- ii. The Project Proponent shall install online monitoring system at inlet as well as at the outlet of each APCD for monitoring SPM.
- iii. The Project Proponent shall submit compliance of the action plan proposed to address the public hearing issues along with the six-monthly compliance report of EC condition on Parivesh portal.

1.0 Deliberations during 248th meeting of SEIAA held on 05.05.2023

The case was considered by SEIAA in its 248th meeting held on 05.05.2023 which was attended by the following:

- (i) Sh. Jagjit Singh, General Manager M/s Belco Special Steels Pvt. Ltd.
- (ii) Mr. Sandeep Garg, and Ms. Jyoti Rana, Environmental Consultant M/s Eco Laboratories Pvt. Ltd.

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

SEIAA observed that most of the activities as proposed by the project proponent under the category of “*additional environment activities for amelioration of environment*” are actually CSR activities. Whereas the project proponent was free to carry out such activities under its CSR component, the activities which are proposed specifically for amelioration of environment must be relevant and be directly beneficial for the environment. To this observation, the project proponent submitted the revised Environment Management Plan including the additional environmental activities with details as under:

Environment Management Plan

S. No.	Environmental Protection Measures	Capital Cost (Rs. in lakhs)	Recurring Cost (Rs. in lakhs/year)
1.	Air Pollution Control (Installation, operation and maintenance of APCD and OCMS)	150	3
2.	Water Pollution Control (Installation, operation and maintenance of STP of capacity 20 KLD)	20	1.5
3.	Noise Pollution Control (Acoustic enclosure for DG set)	3	1
4.	Green belt development and landscaping	21	7
5.	Solid Waste Management (Management & disposal of domestic solid waste, slag and Hazardous waste)	3	0.5
6.	Environment Monitoring & Management	3	5
7.	Health, Safety & Risk Assessment (Medical check-up, ESI of workers, Masks, PPE Kits, Ear plugs)	2	1

8.	Miscellaneous	2	0.5
9.	Additional Environmental Activities*	52	-
Total		Rs. 256 lakhs	Rs. 19.5 lakhs

Details of Additional Environmental Activities

S. No.	Activities	Expenditure (in Lacs)
1.	Rejuvenation of Village Pond Adoption of pond located in Village Salani for rainwater harvesting and maintenance as per measures given below: ix. Nano-Bubble technology to treat wastewater discharge into the pond x. Tree plantation of 6 ft. size around the pond xi. Removal of solid waste, sludge, silt from the pond xii. Landscaping around the pond	25
2.	Education Facilities to be provided in Jawahar Lal Nehru Govt. College as per their actual requirement: i. Rainwater Harvesting System (Construction of storage tank for collection of runoff from college building) ii. 10 Solar Lights iii. Compost Pit	11 • 6 • 2 • 3
3.	As per proceedings with Public hearing Aid for Cancer patients in coordination with Gram Panchayat of Village Tooran	12
4.	Noise Reflector Sheets on walls facing towards Jawahar Lal Nehru Govt. College	4
Total		Rs. 52 Lakhs

SEIAA decided to accept the above revised EMP submitted by the project proponent.

Keeping the recommendations of SEAC and the foregoing in view, a decision in principle was taken to grant EC to the Project as per recommendation and conditions of SEAC. However, after the departure of the project proponent and environmental consultant it came to the notice of SEIAA that an incorrect submission was made by them before SEAC in its 245th meeting held on 24.04.2023 that Stage 1 approval for diversion of forest land for the approach road to their

project had been granted by the MOEF&CC. Relevant excerpt from the SEAC proceedings is as under:

“The Committee further observed that as per the application proposal, the industry has applied for obtaining permission for access road under the provisions of the Forest Conservation Act, 1980. In this regard, the industry apprised the Committee that Stage-1 Forest Clearance had already been obtained for access road of area 0.0106 Ha and submitted a copy of letter dated 05.04.2023 addressed to Dy. Director General of Forests, Govt. of India by Secretary, Department of Forest & Wildlife in this regard. The Committee took a copy of the same on record.”

However, perusal of above referred letter dated 05.04.2023 reveals that, in fact, it is only a recommendation for grant of Stage 1 clearance made by the State Government to the Govt. of India whereas the actual permission is yet to be granted by the MOEF&CC.

Since Stage 1 approval under the FCA, 1980, is a mandatory requirement prior to the grant of EC, SEIAA decided that an ADS in this regard be raised on Parivesh portal and EC as above be granted only on receipt of the requisite Stage 1 approval under FCA, 1980.

Now, the industry vide reply dated 19.08.2023 has submitted copy of approval for diversion of 0.0106 Ha of Forest Land for construction of approach access to M/s Belco Special Steels Pvt. Ltd, Village Turan or Bhawanigarh-Nabha Gobindgarh, Fatehgarh Sahib issued vide MoEFCC letter no. 9-PBB350/2023-CHA dated 18.08.2023.

Deliberations during 260th meeting of SEIAA held on 12.09.2023.

The case was considered by SEIAA in its 260th meeting held on 12.09.2023 which was attended by the following:

- i) Mr. Nitish Kumar Sharma, General Manager M/s Belco Special Steel Pvt. Ltd.
- ii) Dr. Sandeep Garg, EC-Coordinator M/s Eco Paryavaran Laboratory Pvt Ltd.
- iii) Mrs. Jyoti Rani, EIA Coordinator, M/s Eco laboratories Pvt. Ltd.

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 of SEIAA, Environmental Consultant informed that three collection tanks of capacity 50 KL each will be constructed within the premises of the industry for the collection of rain water which shall be re-utilized for the cooling towers.

To another query regarding the action plan of the observations made during the public hearing, Environmental Consultant informed that adequate provision of funds have been earmarked and action plan shall be completed in a time bound manner.

SEIAA noted that Stage 1 approval for diversion of forest land had been obtained by the PP from the MOEF&CC. SEIAA was also satisfied with replies of the project proponent to its other queries.

After detailed deliberations and examination of relevant documents, SEIAA decided to accept the recommendations of SEAC and grant Environmental Clearance for expansion of steel manufacturing unit for production of 180000 TPA of steel ingots by installing two induction furnaces of capacity 18 TPH each located at Village Turan, Amloh Road, Mandi Gobindgarh, District Fatehgarh Sahib, Punjab by M/s Belco Special Steels Pvt Ltd., as per the details mentioned in the application and subsequent presentation /clarifications made by the project proponent and their consultant with proposed measures and subject to the conditions proposed by SEAC and additional condition as under:

1. The PP will implement the revised EMP / AEA plan as approved by SEIAA in its 248th meeting held on 05.05.2023.
2. The PP will commence the tree plantation work within the project premises at the earliest and complete the same within 1 year. 8 ft tall plants of indigenous species should be used for plantation.

Item No. 260.13: Submission of extended bank guarantee in respect of the project Homeland Heights developed by M/s HL Buildwell Pvt. Ltd.

The project proponent namely M/s HL Buildwell vide letter dated 31.01.2023 has submitted the bank guarantee of Rs. 40 Lakhs with the Punjab Pollution Control Board in compliance to the letter issued by SEIAA on 20.01.2023. A copy of the same is attached as Annexure-8.

Background

Earlier, M/s HL Buildwell was granted Environment Clearance vide letter no. SEIAA/MS/2021/4824 dated 18.10.2021 for development of group housing project namely "Homeland heights" located at Site. No.5, Sector 70, SAS Nagar subject to following additional conditions:

- i. The project proponent shall submit revised Remediation and Natural & Community Resource Augmentation plan of Rs 40 Lakhs to SEIAA, Punjab, by 05.11.2021.
- ii. Amount of Rs. 40 lacs shall be spent on the activities taken under the Remediation and Natural & Community Resource Augmentation plan of the proposed project (to be submitted by the PP by 05.11.2021 for consideration / approval of SEIAA) and said plan shall be implemented within a period of 6 months.
- iii. Bank Guarantee of Rs 40 Lakhs will be deposited by the Project Proponent with the Regional Office, Punjab Pollution Control Board, Mohali in place of Bank Guarantee amounting to Rs.6.0 Lacs as an assurance to complete activities taken under remediation plan and Natural and Community Resource Augmentation Plan and copy of the receipt of the same shall be submitted to SEIAA Punjab by 05.11.2021. The Bank Guarantee will be released by SEIAA after successful implementation of the activities prescribed and approved in the Remediation and Natural & Community Resource Augmentation plan on the recommendations of Regional Office, MoEF&CC, Chandigarh or SEIAA /SEAC Committee.
- iv. This Environmental Clearance is liable to be revoked without any further notice to the Project Proponent in case of failure to comply with conditions (i), (ii) and (iii) above.

Later, the project proponent vide request letter dated 02.05.2022 sought extension for complying with the abovesaid conditions. The matter was discussed in the 206th meeting of SEIAA held on 08.06.2022 wherein SEIAA perused the request of the Resolution Professional and observed as under:

- i. Sh. Vinay Kumar Singhal, (IP Registration No.: IBBI/IPA-002/IP-N00624/2018-2019/11880) has been appointed as the Resolution Professional with respect to M/s H L

Buildwell Private Limited (Previously known as Homeland Buildwell Private Limited) by an order of Hon'ble National Company Law Tribunal, Delhi (Bench-VI) vide its order dated 01.04.2022.

- ii. A request has been made for extension in the time to complete the activities prescribed under the Revised Remediation and Natural community Resources Augmentation Plan vide letter no 4824-33 dated 18.10.2021 issued to M/s Homeland Buildwell Pvt. Ltd.,
- iii. Further, extension in the validity of Bank Guarantee bearing no. 035GT02213060009 of amount Rs. 40 lacs have already been submitted to the Regional Office of the PPCB. The new expiry date of the Bank Guarantee is 31.10.2022.
- iv. Since M/s Homeland Buildwell Pvt. Ltd. is under the Corporate Insolvency Resolution Process (CIRP), transfer to the new company will take 2 to 3 months. Transfer to the new company will be made with condition that activities prescribed under the Revised Remediation and Natural community Resources Augmentation Plan vide letter no 4824-33 dated 18.10.2021 issued to M/s Homeland Buildwell Pvt. Ltd. shall be completed within the next 3 months. As such, another 6 months' time i.e till 14.12.2022 is required to complete the said activities and requested that same may please be allowed.

After detailed deliberations, SEIAA decided to accept the request of the Sh. Vinay Kumar Singhal, IRP and grant extension vide letter SEIAA/MS/2022/215 dated 30.06.2022 with the following conditions:

- i. The validity of the bank guarantee amounting to Rs 40 Lakhs shall be extended and submitted to Regional Office, Punjab Pollution Control Board, Mohali as an assurance to complete the activities to be implemented under the remediation plan and Natural and Community Resource Augmentation Plan one month before its expiry i.e. by 30.09.2022 and a copy of the receipt of the same will be submitted to SEIAA Punjab. The Bank Guarantee will be released by SEIAA after successful implementation of the activities prescribed and approved in the Remediation and Natural & Community Resource Augmentation plan on the recommendations of the Regional Office, MoEF&CC, Chandigarh, or SEIAA /SEAC Committee.
- ii. No further extension shall be given to complete the activities prescribed under the Revised Remediation and Natural community Resources Augmentation Plan vide letter no 4824-33 dated 18.10.2021 issued to M/s Homeland Buildwell Pvt. Ltd.

In view of the above, the project proponent was asked to make sure that activities prescribed under the Revised Remediation and Natural community Resources Augmentation Plan vide

letter no 4824-33 dated 18.10.2021 issued to M/s Homeland Buildwell Pvt. Ltd., shall be completed by 14.12.2022 and simultaneously, the aforesaid conditions shall be complied with.

Now, the project proponent has again requested for extend the last date for development works at Village Khizrabad for further six months. The copy of the request received vide letter dated 09.11.2022 is annexed as **Annexure-C, Page No. 126**.

1.0 Deliberations during 225th meeting of SEIAA held on 13.12.2022.

No representative of the project proponent attended the meeting.

After deliberations, SEIAA decided to defer the matter to its next meeting. Project Proponent be advised to be present personally or through an authorised representative in the next meeting failing which the matter will be decided in their absence.

2.0 Deliberations during 229th meeting of SEIAA held on 03.01.2023.

The matter was considered by SEIAA in its 229th meeting held on 03.01.2023 which was attended by the following:

(i) Mr. Narinder Vaid, M/s Homeland Buildwell Pvt. Ltd.

SEIAA observed that M/s HL Buildwell was granted Environment Clearance vide letter no. SEIAA/MS/2021/4824 dated 18.10.2021 for development of group housing project namely "Homeland heights" located at Site. No.5, Sector 70, SAS Nagar subject to following additional conditions (being a "violations" category project):

- i. The project proponent shall submit revised Remediation and Natural & Community Resource Augmentation plan of Rs 40 Lakhs to SEIAA, Punjab, by 05.11.2021.
- ii. Amount of Rs. 40 lacs shall be spent on the activities taken under the Remediation and Natural & Community Resource Augmentation plan of the proposed project (to be submitted by the PP by 05.11.2021 for consideration / approval of SEIAA) and said plan shall be implemented within a period of 6 months.
- iii. Bank Guarantee of Rs 40 Lakhs will be deposited by the Project Proponent with the Regional Office, Punjab Pollution Control Board, Mohali in place of Bank Guarantee amounting to Rs.6.0 Lacs as an assurance to complete activities taken under remediation plan and Natural and Community Resource Augmentation Plan and copy of the receipt of the same shall be submitted to SEIAA Punjab by 05.11.2021. The Bank Guarantee will be released by SEIAA after successful implementation of the activities prescribed and approved in the Remediation and Natural & Community Resource Augmentation plan on the recommendations of Regional Office, MoEF&CC, Chandigarh or SEIAA /SEAC Committee.

SEIAA further observed that Sh. Vinay Kumar Singhal, (IP Registration No.: IBBI/IPA-002/IP-N00624/2018-2019/11880) has been appointed as the Resolution Professional (IRP) with respect to M/s H L Buildwell Private Limited (Previously known as Homeland Buildwell Private Limited) by the Hon'ble National Company Law Tribunal, Delhi (Bench-VI) vide its order dated 01.04.2022. The IRP vide letter dated 09.11.2022 has informed that the company is in Corporate Insolvency resolution process. He further informed that COC has approved the resolution plan and the application for approval of the Resolution Plan has been filed before the Hon'ble NCLT, Delhi for approval on 08.11.2022. Further, the Successful Resolution Applicant has given undertaking to undertake the works specified by SEIAA in village Khizrabad for the fulfilment of requirements as stated under the Remediation Plan for the Environmental Clearance of the project. It was also informed that the resolution plan is pending before the Hon'ble NCLT for approval which will take its own course. In light of above circumstances SEIAA was informed that it was not possible to fulfil the condition of completion of development work till 14.12.2022 and it has been requested to further extend the last date for the same.

The representative of the project proponent namely M/s Homeland Buildwell Pvt. Ltd. informed SEIAA that the bank guarantee amounting to Rs. 40 lacs has already been submitted to the Punjab Pollution Control Board with validity upto 31.01.2023. He further informed that the matter regarding permission for undertaking the development activities is in an advanced stage and will be resolved within the six-month time as sought by the IRP. He further informed that the bank guarantee already submitted with the PPCB shall be extended from time to time till the completion of work related to the remediation plan.

In light of the request made by the IRP and also the submissions made by the representative of the project proponent, SEIAA observed that in the current circumstances it is presently not possible for the promoter company to implement the stipulated activities under the Remediation Plan and Natural and Community Resource Augmentation Plan.

After detailed deliberations, SEIAA decided to accept the request of Sh. Vinay Kumar Singhal, IRP and grant extension with the following conditions:

- i. The validity of the bank guarantee amounting to Rs 40 Lakhs shall be extended and submitted to Regional Office, Punjab Pollution Control Board, Mohali as an assurance to complete the activities to be implemented under the remediation plan and Natural and

Community Resource Augmentation Plan one month before its expiry and a copy of the receipt of the same will be submitted to SEIAA Punjab.

- ii. The Bank Guarantee will be released by SEIAA after successful implementation of the activities prescribed and approved in the Remediation and Natural & Community Resource Augmentation plan on the recommendations of the Regional Office, MoEF&CC, Chandigarh, or SEIAA /SEAC Committee.

Accordingly, the decision of SEIAA was conveyed to the project proponent vide letter no. SEIAA/MS/2023/108 dated 20.01.2023.

2.0 Deliberations during 239th meeting of SEIAA held on 01.03.2023

The matter was considered by SEIAA in its 239th meeting held on 01.03.2023.

SEIAA was apprised that the project proponent namely M/s H L Buildwell Private Limited vide letter dated 31.01.2023 has submitted the extended bank guarantee of Rs. 40,00,000/- (Rupees forty lakhs only) having no. 035GT02213060009 as per decision of SEIAA conveyed to the project proponent vide letter no. SEIAA/MS/2023/108 dated 20.01.2023.

SEIAA took note of the same.

Now, a request have been received from Sh. Vinay Kumar Singhal, Resolution Professional, M/s HL Buildwell Pvt. Ltd. (Previously known as Homeland Buildwell Pvt. Ltd.) stating that the SEIAA has given EC to their project namely Homeland Heights with a stipulation that the company is required to undertake development works for an amount of Rs 40.0 Lakhs in village Khizrabad for the fulfilment of requirements as stated under the remediation plan. In this regard, the company submitted a Bank Guarantee amounting to Rs 40 Lacs.

The company is in corporate insolvency resolution process and the successful resolution applicant has given undertaking to do the development work in village Khizrabad for the fulfilment of requirements as stated under the remediation plan for the EC of the project. The resolution plan is pending adjudication before the Hon'ble NCLT for approval which will take time and it might not be possible to fulfil the condition of completion of development work till 14.06.2023. It has requested to extend the last date of development works mentioned above for further six months. Copy of Request letter is as per **Annexure-B**.

Deliberations during 260th meeting of SEIAA held on 12.09.2023

The case was considered by SEIAA in its 260th meeting held on 12.09.2023 which was attended by the following:

- i) Mr. Narinder Vaid (Authorized Signatory), M/s HL Buildwell Pvt. Ltd.
- ii) Mrs. Jyoti Rani, EIA Coordinator, M/s Eco laboratories Pvt. Ltd.

The representative of the project proponent namely M/s Homeland Buildwell Pvt. Ltd. informed SEIAA that development activities have nearing completion and will be completed within the two month's time. He further informed that the bank guarantee already submitted with the PPCB is valid upto 31.01.2024.

After detailed deliberations, SEIAA decided to accept the request of Sh. Vinay Kumar Singhal, IRP and grant extension with the following conditions:

- i. The validity of the bank guarantee amounting to Rs 40 Lakhs shall be extended for another six months i.e. up to 31.07.2024 and be submitted to the Regional Office, Punjab Pollution Control Board, Mohali as an assurance to complete the activities to be implemented under the remediation plan and Natural and Community Resource Augmentation Plan one month before its expiry and a copy of the receipt of the same will be submitted to SEIAA Punjab.
- ii. The Bank Guarantee will be released by SEIAA after successful implementation of the activities prescribed and approved in the Remediation and Natural & Community Resource Augmentation plan on the recommendations of the Regional Office, MoEF&CC, Chandigarh, or SEIAA /SEAC Committee.

Item No. 260.14: Granted Consent for “The Imperial Golf Estate@ at Vill. Mullanpur and Talwandi Khurd, Distt. Ludhiana to be developed by M/s Spark Buildcon (P). Ltd.

The project proponent M/s Malhotra Realty Pvt. Ltd. India has given an offline request vide letter dated 28.08.2023 received on 05.09.2023 intimating that they were issued Environmental Clearance in the name of M/s Spark Buildcon (P) Ltd vide letter no. SEIAA/MS/2011/31028 dated 28.07.2011.

The project proponent has intimated that the project is an active project which was previously halted due to lack of funds by the Erstwhile Promoters. Even a partial completion certificate has been issued by GLADA. Now, they are in process of commencing development very soon so that the outstanding works can all completed and the possessions may be handed over to the home owners as per our approved Resolution Plan, by the NCLT order.

He has given request to allow them to complete this project so the home owner’s dreams are fulfilled. The request letter is as per **Annexure-C** of the agenda.

Deliberations during 260th meeting of SEIAA held on 12.09.2023

The case was considered by SEIAA in its 260th meeting held on 12.09.2023 but no one on behalf of M/s Spark Buildcon (P). Ltd. attended the meeting.

SEIAA observed that the validity of the Environmental Clearance granted to the project has expired since 27.07.2018. As such, the project proponent is required to obtain fresh Environmental Clearance under the provision of EIA notification dated 14.09.2006 as amended from time to time.

After detailed deliberations, SEIAA decided that the project proponent be asked to apply for fresh Environmental Clearance on the Parivesh Portal for its pending construction of work and not to start construction without obtaining prior Environmental Clearance under the provisions of the EIA notification dated 14.09.2006 as amended from time to time.

Item No. 260.15: Application for transfer of Environment Clearance for riverbed mining project at village Kutbewal Arian, District Ludhiana measuring 10.12 Ha.

Earlier, General Manager-cum-Mining Officer was granted Environmental Clearance (EC) under EIA notification dated 14.09.2006 by SEIAA, Punjab, vide no. SEIAA/M.S/2017/530 dated 03.05.2017 for carrying out mining of minor minerals (sand) @ 4,42,649 TPA in an area of 10.12 hectares in the revenue estate of Village Kutbewal Arian, District Ludhiana, subject to certain conditions.

XEN-cum DMO, Ludhiana vide letter no. 3854-57/1-2 dated 14.06.2023 has requested to transfer the EC in the name of M/s Kuldeep Singh & Bros, Mubarakpur, Dera Bassi, SAS Nagar.

1.0 Deliberations during 255th meeting of SEIAA held on 20.07.2023.

The case was considered by SEIAA in its 255th meeting held on 20.07.2023 which was attended by the following:

- (i) Mr. Paras Mahajan, Asst. Geologist.

The Project Proponent has requested to transfer the EC in the name of M/s Kuldeep Singh & Bros, Mubarakpur, Dera Bassi, SAS Nagar.

In response to query by SEIAA, the Project Proponent informed vide letter no. 4620 dated 20.07.2023 that no extraction of minor minerals has been done from this site till date as the site was not operationalized.

After detailed deliberations and examination of relevant documents, SEIAA decided to transfer the EC issued vide no. SEIAA/M.S/2017/530 dated 03.05.2017 for carrying out mining of minor minerals (sand) @ 4,42,649 TPA in an area of 10.12 hectares in the revenue estate of Village Kutbewal Arian, District Ludhiana to M/s Kuldeep Singh & Bros. along with special condition that M/s Kuldeep Singh & Bros. shall be responsible for compliance of conditions of previous environmental clearance issued.

Now, Chief Engineer, Mines and Geology vide letter no. 2123 dated 14.08.2023, has requested to intimate about action taken on the application of transfer of EC in the name of Hecate power Limited, Aerocity, New Delhi.

Deliberations during 260th meeting of SEIAA held on 12.09.2023.

The case was considered by SEIAA in its 260th meeting held on 12.09.2023, which was attended by the following:

- i) Sh. Akash Agarwal (XEN), Mining, Ludhiana
- ii) Sh. Harjinder Singh, Mining Officer, Ludhiana

Executive Engineer, Mining, Ludhiana informed that M/s Hecate Power Ltd. through its authorized signatory Sh. Kulwant Singh Pama has filed an appeal under section 44 of the Punjab Mines and Minerals Rules, 2013 against the allegedly wrong and illegal order bearing no. 7351/Kutbewal Arya dated 04.11.2022 issued by the Executive Engineer.

Earlier, Environmental Engineer, SEIAA vide letter no. 1391 dated 20.11.2018 had informed that the matter regarding the transfer of EC granted to the sand mining project located in the village Balliyewal and Kutbewal Arian was considered in the 124th meeting of SEIAA held on 13.12.2017 wherein certain observations were raised. The reply to the said observations have reportedly been sent to SEIAA vide letter no. 2583-86 dated 31.12.2018.

In this regard, Environmental Engineer, SEIAA informed that the aforementioned reply dated 31.12.2018 stated to have been submitted by the Executive Engineer, Mining is not traceable at this point of time as the earlier record was shifted from the PPCB to the DECC. The record maintained on the computer was also checked wherein no record of transfer of EC in the name of Hecate Power Ltd has been found. The mining department was required to apply for transfer of EC on the Parivesh Portal instead of submitting a hard copy application.

Moreover, the mining department has recently got the above referred EC transferred in the name of Kuldeep Singh and Bros, Mubarakpur, Derabassi, SAS Nagar. As such, the old reply to the letter dated 31.12.2018 (if any) has become redundant and no action is required to be taken on the said same at this stage.

After deliberations, SEIAA decided to inform the mining department as above.

Item no. 260.16: Regarding withdrawal applications pending on Parivesh Portal.

SEIAA was apprised that the following withdrawal application were pending on Parivesh Portal:

Environment Clearance

Sr. No.	Proposal No.	Project Name	Proponent Name	Location	Reason for Withdrawal	Decision of SEIAA
1.	SIA/PB/MIN/431476/2023	Proposed sand mining project (Boulder, gravel, sand) as per DSR NO. SEIAA/MS/2022/1318 with production capacity of 16131 TPA over an area of 3.07 Ha on the Sutlej River Bed (PB_RUP_SUT_1_2_3_4) located at village- Bela Dhani ,Tehsil-Nangal, District-Rupnagar, Punjab through XEN/DMO District Rupnagar, Government of Punjab.	Rupinder Singh Pabla	Rupnagar	DMO, Ropar has requested for withdrawal due to some issues related to consent of land.	Withdrawal allowed

Terms of Reference

Sr. No.	Proposal No.	Project Name	Proponent Name	Location	Reason for Withdrawal	Decision of SEIAA
1.	SIA/PB/INDI/441293/2023	Existing unit having Stand-Alone Rolling Mill via reheating furnace for the production of 27,000 TPA of structural steels located at Village-Garhi Tarkhana, Machhiwara, Ludhiana	Garg Industries Limited	Ludhiana	Due to discrepancy in proposal submission	Withdrawal allowed

		East, Ludhiana, Punjab by M/s Garg Industries Limited.				
2.	SIA/PB/IND1 /441888/2023	Expansion of the existing Steel Manufacturing Unit namely "M/s P.P Castings" located at Village Kumbh, Amlah Road, Mandi Gobindgarh, District Fatehgarh Sahib, Punjab	PP Castings	Fatehgarh Sahib	The pp has submitted that it had already obtained TOR on proposal no. SIA/PB/IND/76783 /2022 dated 12.07.2022 for the project.	Withdrawal allowed
3	SIA/PB/NCP/ 30759/2019	Expansion of "Super Mega Mixed Use Integrated Industrial Park" by M/s Janta Land Promoters Pvt. Ltd.	Janta Land Promoters Pvt. Ltd	SAS Nagar	The project planning has undergone some changes and the new application based on revised layout plan has already been submitted vide no. SIA/PB/INFRA2/40 4854/2022 dated 10.11.2022	Withdrawal allowed

After detailed deliberations, SEIAA decided to allow the withdrawal of the aforementioned applications subject to the condition that the project proponent shall obtain prior Environmental Clearance before commencing its project.

Item No. 260.17: Sh. Arun Gupta AEE (SEIAA) - resignation Letter w.e.f. 04.09.2023.

1.0 Deliberations during the 258th meeting of SEIAA meeting held on 29.08.2023

SEIAA was apprised that Sh. Arun Gupta, SDO, who had recently been engaged through M/s Gretis had been selected by the PPCB had resigned and his replacement was urgently required.

Further, an additional clerk -cum - DEO was also required for the office work and for assisting the Chairman, SEIAA.

After deliberation, it was decided that M/s Gretis India Pvt. Ltd. be asked to immediately provide a panel for engagement of an SDO and a clerk for SEIAA.

In compliance with the aforesaid decision, M/s Gretis India Pvt. Ltd. was requested vide letter no. 1261 dated 12.09.2023 and 1262 dated 11.09.2023 to provide a panel for engagement of an SDO and a clerk for SEIAA.

2.0 Deliberations during the 260th meeting of SEIAA meeting held on 12.09.2023.

SEIAA was apprised that M/s Gretis India Pvt. Ltd. vide letter no.'s GRET/ENT/20223/02 dated 11.09.2023 and GRET/ENT/20223/03 dated 11.09.2023 has sent a panel for selection for the post of clerk and SDO respectively.

Sh. Karanveer Singh Chadda and Sh. Achhra Parsad appeared before SEIAA on 12.09.2023 for interview for the post of SDO and a clerk for SEIAA. After interviews, both candidates have been selected by the SEIAA and they have been asked to join the SEIAA immediately after getting the appointment letter from M/s Gretis India Pvt. Ltd.

SEIAA was also apprised that Sh. Jashandeep Singh, SDO/AEE posted in the SEAC is looking after the work relating to mining projects. On the joining of Sh. Karanveer Singh Chadda, Sh. Jashandeep Singh may be asked to join SEIAA since the work of granting TOR to the mining projects shall be dealt by the SEIAA on the receipt of the one time recommendation of SEAC on the TOR cases of the mining project.

After deliberations, it was decided as under:

- i) M/s Gretis India Pvt. Ltd. be informed that Sh. Karanveer Singh Chadda and Sh. Achhra Parsad have been selected for the post of SDO and a clerk and appointment letters be issued to them for joining SEIAA at the earliest.
- ii) An office order be issued under the signature of Member Secretary, SEIAA to the effect that Sh. Jashandeep Singh will work as AEE, SEIAA and Sh. Karanveer Singh Chadda will work as AEE, SEAC.
- iii) Secretary, STE and Director, DECC be also informed regarding the new staff appointed by SEIAA .

Item No. 260.18: Request letter from M/s SK Minerals & Additives Pvt. Ltd., Khanna, Distt. Ludhiana regarding clarification wrt requirement of Environmental Clearance under EIA notification dated 14.09.2006.

It is submitted that a request letter dated 19.07.2023 has been received from M/s SK Minerals & Additives Pvt. Ltd., Satkartar Building, GT Road, Khanna, Distt. Ludhiana regarding clarification wrt requirement of Environmental Clearance under EIA notification dated 14.09.2006. The industry has intimated that it is having its manufacturing unit at village Alour, Gaib Di Pulli, GT Road, Khanna and is in process of manufacturing Calcium Propionate involving following manufacturing process:

Calcium Hydroxide + Propionic acid = Calcium Propionate + Water (Water is evaporated and product Calcium Propionate is produced)

It is an acid base reaction involving zero liquid discharge.

The industry has enclosed along with the application copy of Consent to Operate under Water Act, 1974 & Air Act, 1981 issued by PPCB to the industry for manufacturing of Zinc/Copper/Magnesium m-Glycinate or Zinc/Copper/Magnesium-EDTA and Mineral Mixtures having validity till 30.09.2026. The request letter is as per Annexure-2 of the agenda.

1.0 Deliberations during 259th meeting of SEIAA held on 31.08.2023.

The case was considered by SEIAA in its 259th meeting held on 31.08.2023 which was attended by Sh. Rahul Jindal, Director, M/s SK Minereals & Additives Pvt. Ltd.

The project proponent informed that they have obtained Consent to Operate under Water Act, 1974 and Air Act, 1981 from PPCB for manufacturing of Zinc/Copper/Magnesium m-Glycinate or Zinc/Copper/Magnesium-EDTA @ 6 MTD and Mineral Mixtures @ 8 MTD using Glycine, EDTA, Di-calcium phosphate, potassium iodide, magnesium sulphate, ferrous sulphate, copper sulphate, cobalt sulphate, zinc sulphate, magnesium oxide, calcium carbonate and zinc/copper/magnesium oxide. Now, they intend to manufacture calcium propionate using calcium hydroxide and propionic acid which is an acid base reaction.

SEIAA examined the request of the industry and was the opinion that raw material and products being manufactured by the industry may fall under category 5 (f) of Schedule given in EIA Notification, 2006 i.e. Synthetic organic chemicals industry (dyes & dye intermediates; bulk

drugs and intermediates excluding drug formulations; synthetic rubbers; basic organic chemicals, other synthetic organic chemicals and chemical intermediates).

To this, the project proponent requested to give another opportunity to represent the case before the SEIAA in detail including the chemical character sticks of raw material and products.

After detailed deliberations, SEIAA decided to accept the request of the project proponent and asked to present the details of the case including the chemical character sticks of raw material and products case in the next meeting of SEIAA scheduled on 12.09.2023.

2.0 Deliberations during 260th meeting of SEIAA held on 12.09.2023.

The case was considered by SEIAA in its 260th meeting held on 12.09.2023 which was attended by Sh. Rahul Jindal, Director and Dr. Vinod Sharma on behalf of M/s SK Minerals & Additives Pvt. Ltd.

The PP failed to provide satisfactory reply in respect of the observations made by SEIAA in its 259th meeting held on 31.08.2023, regarding the chemical characteristics of raw material and products in support of his contention that their industry is exempted from obtaining Environmental Clearance under the provisions of EIA notification dated 14.09.2006.

On the request of the PP, SEIAA decided that he may take up the matter with MoEF&CC, Govt. of India for obtaining clarification in this regard within a period of 60 days giving due reference to the deliberations of SEIAA, Punjab in its 259th and 260th meetings. The clarification provided by the Ministry may also be submitted to SEIAA by the PP in order to get exemption from obtaining Environmental Clearance under the provisions of EIA notification dated 14.09.2006. In the absence of necessary clarification from the MOEF&CC exempting the industry from obtaining EC within the stipulated period of 60 days, the PP shall submit application for obtaining Environmental Clearance under the EIA notification dated 14.09.2006 on the Parivesh Portal.