

Proceedings of 245th meeting of State Expert Appraisal Committee (SEAC) held on 24.04.2023 at 11:00 AM in the Conference Hall no. 2, MGSIPA Complex, Sector-26, Chandigarh

Following were present:

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

Item No. 01: Confirmation of the proceedings of 244th meeting of State Level Expert Appraisal Committee held on 17.04.2023.

The proceedings of 244th meeting of State Level Expert Appraisal Committee held on 17.04.2023 was prepared and circulated to all the Members through email on 21.04.2023. No comments were received from any of the Members. Therefore, SEAC confirmed the same.

Item No. 02: Action taken on the proceedings of the 244th meeting of State Level Expert Appraisal Committee held on 17.04.2023

The action taken on the decisions of 244th meeting of State Level Expert Appraisal Committee held on 17.04.2023 has been completed. SEAC noted the same.

Item No. 245.01: Application for Environment Clearance for expansion in steel manufacturing unit at Village Nasrali, Guru Ki Nagri, Anaj Mandi-Bhadla Road, Nasrali, Near Power Grid, Mandigobindgarh, District Fatehgarh Sahib, Punjab by M/s Kisco Castings (India) Ltd. (SIA/PB/IND1/423450/2023).

The industry is an existing unit and was granted consent to operate under the provisions of the Water Act 1974 and Air Act 1981 for the manufacturing of steel ingots & castings@ 78 MTD.

The industry was granted Terms of References (TOR) vide letter number SEIAA/MS/2021/4345 dated 25.06.2021 for upgradation of 01 no. existing Induction Furnace of 6.5TPH capacity to 10TPH capacity and addition of 01 no. new Induction Furnace of 12 TPH capacity, Ladle Refining furnace, concast and a rolling mill with total production of Steel Ingots/billets, Steel Casting, rolled material etc. @ 1,00,100TPA.

The industry was thereafter granted amendment in Terms of Reference vide letter No. SEIAA/MS/2021/4785 dated 01.10.2021 for upgrading existing Induction Furnace of 6.5TPH capacity with 12TPH capacity induction furnace and installation of 1 no. new Electric Arc Furnace of 15TPH capacity, Ladle Refining Furnace (LRF), concast and a rolling mill. With such machinery, total 12 no. of heats can be taken in a day. Therefore, for working of 350 days, the total production of Steel Ingots/billets, Steel Casting, rolled material etc. will be 1,13,400TPA.

The total project cost is Rs 22.80 Crores. 25% of the fee, which comes out to be Rs. 57,000/- Rs.51,975/- has been deposited vide NEFT no.- 000340638355 dated 01.05.2021, Rs. 5000 vide UTR no. N225211601101047 dated 13.08.2021 and remaining 75% of fee i.e Rs. 171025/- deposited on dated 06.12.2022. The adequacy of the fee has been verified by the supporting staff SEIAA.

Punjab Pollution Control Board vide letter No. 15595 dated 20.07.2022 forwarded comments w.r.t suitability of site, adequacy of pollution control equipment's and construction status etc. as under:

Sr. No.	Information sought	Comments of the Board
1.	Comments regarding suitability of site	As per DTP certificate no. 1153 dated 10/12/2020, the site of the industry falls in industrial zone as per the Notified Master Plan of Mandi Gobindgarh. Hence, the site is suitable for the installation of the proposed unit.
2.	Adequacy of pollution control equipment's	The industry has proposed to increase the production capacity pf steel ingots/ billets, steel castings, forging and rolled material from 27,300 TPA to 1,13,400 TPA by upgrading its existing furnace of capacity 6.5 TPH with new induction furnace of capacity 12 TPH and by

		<i>installing new electric arc furnace of capacity 15 TPH and rolling mill in addition to existing Ladle refining furnace (LRF), 3 no. annealing furnaces and concast machine. The industry has proposed to install bag filter house as APCD with its proposed induction furnace of capacity 12 TPH and arc furnace of capacity 15 TPH, separately. The industry has not submitted feasibility report of APCD form PSCST, Chandigarh. The industry is bound to obtain completion-cum- adequacy certificate from PSCST, Chandigarh before commissioning of the unit.</i>
3.	<i>Construction status</i>	<i>The industry has not started construction activity regarding the proposed expansion project.</i>
4.	<i>Green Area</i>	<i>The industry has proposed to develop 33% green area (4403.6 sqm) out of total area measuring 13278.3 sqm.</i>

Deliberations during 245th meeting of SEAC held on 24.04.2023.

The meeting was attended by the following:

- (i) Sh. Kuldeep Goel, Managing Director M/s Kisco Casting (India) Ltd.
- (ii) Sh. Sital Singh, Environmental Consultant, M/s. Chandigarh Pollution Testing Laboratory.
- (iii) Sh. Sandeep Singh, Consultant, M/s. Chandigarh Pollution Testing Laboratory.

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

Sr. No.	Description	Details
1	Basic Details	
1.1	Name of Project & Project Proponent:	M/s Kisco Castings (India) Ltd. Kuldeep Goel Director
1.2	Proposal:	
1.3	Location of Industry:	Village- Nasrali, Guru ki Nagri, Anaj Mandi- Bhadla road, Near Power Grid, Tehsil- Mandigobindgarh, District -Fatehgarh Sahib, Punjab
1.4	Details of Land area & Built up area:	The total land area is 3.06 Acres or 13278.3 m ² . To meet the green belt requirement, an additional land measuring 4048.3 sqm has been acquired by the project proponent at a distance of 325 m from the project site. Out of which, 2259.2 sqm will be developed as greenbelt and 1789.1 sqm will be used as open space. Thus, greenbelt will be developed in total area of 4524.7 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	Total – Rs 22.80 Cr.
1.7	Compliance of Public Hearing Proceedings	Detailed Action Plan along with timeline and Budget allocation is given as Annexure I .
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 Forest Conservation Act 1980 or not:	No forest land is involved in the project. An undertaking in the prescribed format submitted.
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:	17% (2265.5 sqm) of total area i.e. 13278.3 sqm will be maintained as greenbelt. In addition, greenbelt will also be developed in land area of 2259.2 sqm at a distance of 325m from the project site. Thus, total greenbelt will be developed in an area

		of 4524.7 sqm (34% of total area) as per MoEF&CC stipulated norms will be developed as the green belt. A total of 680 trees needs be planted. Out of which 50 plants have already been planted. Thus, 630 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			
	1.	Induction Furnace	1X6.5TPH (Upgraded)	1X12 TPH	1X12 TPH
	2.	Electric Arc furnace	--	1X15 TPH	1X15 TPH
	3.	Ladle Refining Furnace(LRF)	01 x 7 TPH	--	01 x 7 TPH
	4.	Annealing Furnace (3 No.)	1x9TPD 1X8TPD 1X10TPD	--	1x9TPD 1X8TPD 1X10TPD
	5.	Concast	01 No.	--	01 No.
	B.	PRODUCTS (TPA)			
		Steel Ingots/Billets, Steel castings, Forging & rolled material	27,300 (Steel Ingots/billets, Steel castings)	86,100	1,13,400
	C.	RAW MATERIAL (TPA)			
	1.	MS Scrap, CI, Sponge Iron, Ferro Alloys	28,875	94,675	1,23,550
	D.	GENERALS			
	1.	Project Cost (Crores)	Rs. 15.20	Rs. 7.60	Rs. 22.80
	2.	Land (Sqm.)	3.06 acre or 13,278.3 m ²	Nil	3.06 acre or 13,278.3 m ²
	3.	Power (MW)	3.5	7.5	11.0
	4.	DG Set	1x160 KVA (to be replaced)	1x 400 KVA	1x400 KVA
	4.	Manpower (Nos.)	224	26	250
	5.	Working days	350 working days in year		
4.1					

4.2	Population details	Existing Manpower – 224 Additional - 26 Total- 250																	
5	Water																		
5.1	Total water requirement:	71.5 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 from PWRDA is already obtained vide letter no. PWRDA/07/2021/22/146 dated 14.07.2021. Permission for the same is submitted.																	
5.4	Total water requirement for domestic purpose:	11.25 KLD																	
5.4.1	Total wastewater generation:	Industrial Effluent – Nil Domestic wastewater – 9.0 KLD																	
5.4.2	Treatment methodology for domestic wastewater: (STP capacity, technology & components)	No waste water is generated from the industrial operations. However, 9.0 KLD domestic waste water will be treated in STP of capacity 16 KLD and treated wastewater thereafter shall be used in landscaping and plantation.																	
5.5	Total water requirement	Total Water requirement- 71.25 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)																		
	<table border="1"> <thead> <tr> <th>Description</th> <th>Existing (KLD)</th> <th>Proposed (KLD)</th> <th>Total (KLD)</th> </tr> </thead> <tbody> <tr> <td>Domestic</td> <td>10.08 KLD</td> <td>1.17 KLD</td> <td>11.25 KLD</td> </tr> <tr> <td>Cooling (makeup water)</td> <td>20 KLD</td> <td>40 KLD</td> <td>60 KLD</td> </tr> <tr> <td>Total</td> <td>30.08 KLD</td> <td>41.17 KLD</td> <td>71.25 KLD</td> </tr> </tbody> </table>			Description	Existing (KLD)	Proposed (KLD)	Total (KLD)	Domestic	10.08 KLD	1.17 KLD	11.25 KLD	Cooling (makeup water)	20 KLD	40 KLD	60 KLD	Total	30.08 KLD	41.17 KLD	71.25 KLD
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Cooling (makeup water)	20KLD	30 KLD	50 KLD																

	Total	30.08 KLD	31.17 KLD	61.25 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 52,500 KL/Annum. NOC obtained from Sarpanch is submitted.</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:			
	S.No.	Source	Existing	APCD
	1.	Induction Furnace	1X6.5TPH (to be upgraded)	Bag Filters
	2.	Electric Arc Furnace	--	
	3.	Ladle Refining Furnace (LRF)	1x7 TPH	
	4.	Annealing Furnace (3 No.)	1x9TPD 1X8TPD 1X10TPD	Not required, as fuel used is PNG
	5.	Concast Machine	01 No.	--
	4.	DG Set	1X160KVA	Stack with adequate height
	AFTER EXPANSION			
	S.No.	Source	After Expansion	APCD
	1.	Induction Furnace	1x12 TPH (IF)	Pulse Jet Bag filters with offline Technology having efficiency more than 99.9%.
	2.	Electric Arc furnace	1x15 TPH (EAF)	
	3.	Ladle Refining Furnace (LRF)	1x7 TPH	
	4.	Annealing Furnace (3No.)	1x9TPD 1X8TPD 1X10TPD	Not required, as fuel used is PNG
	5.	Concast Machine	01 No.	--
	6.	DG Set	1X160KVA	Stack with adequate height
7	Waste Management			

7.1	Total quantity of solid waste generation	Solid Waste				
		S.No.	Waste Category	Existing	After Expansion	Disposal
		1.	Slag	3.0 TPD	16.8 TPD	Recovery of Iron - 0.20 TPD 16.6 TPD of slag after Iron recovery will be sent to M/s Asian Bricks Kiln for final disposal. (Agreement submitted, which is valid up to 13.02.2025)
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 Flue gas cleaning residue	0.017 TPD	1 TPD	The dust generated from APCD is being/will be stored in impervious pit and sent to M/s Nimbua Greenfield (Punjab) Limited for final disposal.
		2.	Used Oil	0.02 kl/annum	0.02 kl/annum	Will be used as lubricant within the industry
8	Energy Saving & EMP					
8.1	Power Consumption:	Existing – 3.5 MW Additional – 7.5 MW After Expansion – 11 MW				

		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	CER activities- Based on Public hearing issues the following CER activity will be carried out				
		S. No.	CER Activity	Timeline	Budget allocation	
		1.	Rain water harvesting followed by construction of recharging wells and plantation in Adarsh Senior Secondary school, Mandi Gobindgarh	Within one year after grant of EC	Rs 23.0 Lakhs	
10.	EMP BUDGET					
	S. No	Title	Capital Cost Rs. Lakh	Recurring Cost Rs. Lakh/Cost annum	Components of Capital & Recurring Cost	Compliance of Environmental concerns raised during Public hearing
	1.	Air Pollution Control	110.0	50.0	Capital: Installation of fume extraction system, bag house, adequate stack height & OCEMS, water sprinklers etc. Recurring: Cost of stack monitoring & maintenance	To address concern no. 1,4 of public hearing
	2.	Solid/Hazardous Waste Management	10.0	10.0	Capital: Membership of TSDF & storage areas for hazardous waste Recurring: Cost of storage & transportation of waste	To address concern no. 3 of public hearing
3.	Water pollution Control (installation of STP @ 16 KLD)	25.0	15.0	Capital: Installation of STP, Manpower Cost, Cost of Chemicals, Electricity Recurring: Water quality monitoring of STP, RWH, Treated water utilization	To address concern no. 2,3 of public hearing	

4.	Green Belt development	6.80	6.80 (for three years)	Capital: Green Belt Development Recurring: Green Belt Maintenance	
5.	Noise Pollution Control	3.0	0.30	Capital: Installation of acoustic enclosure Recurring: Monitoring & Maintenance cost	
6.	Occupational Health, Safety and Risk Management	10.0	2.0	Capital: Occupational Health Centre & tie up for ambulance Recurring: Annual Health Checkup Cost & Work place monitoring	To address concern no. 3 of public hearing
7.	Environment Monitoring and Management	5.0	3.0	Capital: Installation of Ambient air monitoring stations Recurring: Environment monitoring	
8.	CER activities	23.0	--	Rain water harvesting followed by construction of recharging wells and plantation in Adarsh Senior Secondary school, Mandi Gobindgarh	To address concern no. 1 of public hearing
9.	Miscellaneous	4.0	---		
	TOTAL	196.8Lakh	87.1 Lakhs		

Annexure-I

Sr. No .	Name & Address of the Person	Detail of query/ statement/ information/ clarification sought by the person present	Reply of the query/statement information/clarificati on given by the Project Proponent	Action Plan	Budget allocation and Time Line
1.	Sh. Vishav Sharma S/o Sh. Harish Sharma, Student of Dia International School, Village Dadheri, Distt. Fatehgarh Sahib.	a) What are the social and environmental activities to be carried out by the industry?	Industry's Environment Consultant, R.S. Rana informed that the industry has already given financial help to improve the quality of sanitation in the schools of village Rattanheri, Dadheri and Bhadla. Further, the existing hospitals and Schools in the nearby areas will be strengthened and renovated for betterment of the general public.	Pond rejuvenation will be done as part of social and environmental activity	<u>Timeline-</u> Rejuvenation of pond will be started after grant of EC and it will be completed within one year. <u>Budget allocation-</u> Rs 23.0 Lakhs has been kept for pond rejuvenation.
		b) Whether increase in the production capacity of the industry will have affect on the health of the students of nearby school?	The Environment Consultant informed that the industry will install approved Air Pollution Control Device from Punjab State Council for Science & Technology, Chandigarh, which will minimize the concentration of SPM to be released in atmosphere. Further, he informed that regular monitoring of the Air Pollution Control Device will be done to check adequacy and efficacy.	The nearest school is located at a distance of -200 m from the site of the unit. As per mathematical modeling of point sources of air pollution done with Aermod Dispersion model, the cumulative increase in the concentration of PM will be 4.17 µg/m ³ , which is now 8.88 µg/m ³ with the existing sources. Therefore, there will be reduction in the impact on the ambient air quality due to this unit from 8.88 µg/m ³	<u>Timeline-</u> Within 6 months after grant of EC and before commissioning of the plant. <u>Budget Allocation –</u> For APCD Capital Cost - Rs 500 Lakhs Recurring Cost- RS 100 Lakhs

				to 4.17 µg/m ³ . Thus, the proposal will improve the air quality of the area. As such, the new proposal will not have any impact on the health of the students as the ambient air quality will improve near the project site. The promoter of the company shall provide proper and adequate air pollution control devices to contain the cone of SPM within the prescribed standards.	
2.	Smt. Samita Singla, Headmistress, Govt. High School, Village Dadheri, Distt. Fatehgarh Sahib.	What will be the effect the quality of the groundwater with increase in the production capacity of the industry?	The Environment Consultant informed that the industry will install air containment system including side suction hood, spark arrestor followed by pulse bag house filter as air pollution control device, which will minimize the concentration of SPM to be released in atmosphere. Further, he informed that the industry is not a water polluting industry as there is no generation of effluent from process. Only domestic effluent will be generated which will be discharged onto land for plantation after treatment through septic tanks.	The industry is not generating any kind of industrial effluent and will not generate any kind of industrial effluent after carrying out expansion of the unit. The cooling water will be recycled and Domestic effluent will be treated in the STP and the treated Domestic Effluent will be utilized for irrigation of plantation area. As such, there will not be any effect on the ground water quality.	<u>Timeline-</u> An STP of Capacity 16 KLD will be installed before commissioning of expansion plan of the unit. Cooling tower is already existing to recirculate the cooling water. <u>Budget Allocation-</u> Rs 25 lakhs as capital cost. Rs 15.0 Lakhs has been kept as recurring cost.
3.	Sh. Balbir Singh, Ex-	a) Whether groundwater quality will be	The Environment Consultant again informed that the	The industry is not generating any kind of industrial effluent and	<u>Timeline-</u> An STP of Capacity 16

Sarpanch, Village Bhadla	<p>affected with the expansion of the industry?</p>	<p>industry is not a water polluting industry as there is no generation of effluent from process. Only domestic effluent will be generated which will be discharged onto land for plantation after treatment through septic tanks.</p>	<p>will not generate any kind of industrial effluent after carrying out expansion of the unit. The cooling water will be recycled and Domestic effluent will be treated in the STP and the treated Domestic Effluent will be utilized for irrigation of plantation area. As such, there will not be any effect on the ground water quality.</p>	<p>KLD will be installed before commissioning of expansion plan of the unit. Cooling tower is already existing to recirculate the cooling water.</p> <p><u>Budget Allocation</u> Rs 25 lakhs as capital cost. Rs 15.0 Lakhs has been kept as recurring cost.</p>
	<p>b) Whether any job opportunities will be given to the unemployed people or not?</p>	<p>The Environment Consultant informed that with the expansion of the industry 26 more labour person will be required and the people of nearby villages will be given priority for jobs on the basis of their qualifications.</p>	<p>About 224 employees/workers are already working and most of them are of local areas. There will be requirement of additional 26 workers (skilled/semiskilled/non-skilled) for the expansion plan, who will be employed from the local areas.</p>	<p>Additional employment will be given before commissioning of the expansion plan of the unit.</p>
	<p>c) What will be the disposal of the waste to be generated from the industry?</p>	<p>The Environment Consultant, R.S. Rana informed that there will be generation of hazardous waste (APCD dust), which will be sent to M/s Madhav Alloys Recycling unit for recovery of zinc metal.</p>	<p>There will be generation of following solid wastes: a) Slag @ 16.6TPD, which will be given to M/s Asian Brick klins. b) APCD Dust@ 1.0TPD, which will be given to M/s Nimbua Greenfield (Punjab) Limited. c) Used oil @ 0.02</p>	<p><u>Timeline –</u> The management of these waste will be done as soon as their generation is started. <u>Budget allocation-</u></p>

				KL/A, which will be given to the registered recyclers.	Rs 10 Lakhs has been kept as capital cost Rs 10.0 lakhs as recurring cost.
		d) What safety measures will be taken for the labour of the industry?	Labour persons involved near the induction furnace will be provided heat resistance goggles, safety shoes and gloves to protect them from high intensity heat.	We will take the following safety measures for the labors: a) It will be mandatory for every worker to wear PPEs, such as goggles, safety shoes and gloves etc, which will be provided by the industry. b) Regular health checks up of the workers will be got done. c) All safety as redesigned made the factories Act, 1948 will be put in place.	<u>Timeline-</u> Compliance of all these safety measures will be ensured at all the times. <u>Budget allocation</u> Rs 10.0 lakhs has been capital as capital cost for occupational health safety. Rs 2.0 lakhs as recurring cost.
4.	Sh. Anmol Singh, Village Dadheri, Distt Fatehgarh Sahib.	What will be effect on the air quality with the expansion of the industry?	The Environment Consultant informed that the industry will install air containment system including side suction hood, spark arrestor followed by pulse bag house filter as air pollution control device, which will keep the concentration of SPM within permissible limits.	The nearest school is located at a distance of -200 m from the site of the unit. As per mathematical modeling of point sources of air pollution done with Aermod Dispersion model, the cumulative increase in the concentration of PM will be 4.17 µg/m ³ , which is now 8.88 µg/m ³ with the existing sources. Therefore, there will be reduction in the impact on the ambient air quality due to this unit from 8.88 µg/m ³ to 4.17 µg/m ³ . Thus, the proposal will	<u>Timeline-</u> Within 6 months after grant of EC and before commissioning of the plant. <u>Budget Allocation –</u> For APCD Capital Cost - Rs 500 Lakhs Recurring Cost- RS 100 Lakhs

				improve the air quality of the area. As such, the new proposal will not have any impact on the health of the students as the ambient air quality will improve near the project site. The promoter of the company shall provide proper and adequate air pollution control devices to contain the cone of SPM within the prescribed standards.	
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During meeting, the Committee perused the action plan prepared by the industry to address the queries raised by general public during the public hearing and observed that Sh. Vishav Sharma, Village Dadheri, District Fatehgarh Sahib asked the industry that whether the increase in the production capacity of the industry shall have an effect on health of the students of nearby school.

In this regard, the industry apprised the Committee that the mathematical modelling was done through AEROMOD dispersion model by considering SPM standard of 50 mg/Nm³ for the proposed project against the existing prescribed SPM emission standard of 150 mg/Nm³. The SPM emission standard of 50 mg/Nm³ will be achieved by installing pulse jet bag filter by using PTFE membrane with offline cleaning technology and by providing 540 bags in APCD of induction furnace and 1050 bags in APCD for Electric Arc Furnace. Therefore, there is reduction in the concentration of PM level. Further, the industry will install online monitoring system at the inlet as well as the outlet of each APCD for monitoring the SPM. The industry also submits an undertaking in this regard. The Committee took a copy of the said undertaking on record.

The Committee further perused the layout plan of the industry which was earmarked with the green area of about 17 % of total area to be developed within the premises of the industry. The Committee asked the industry to increase the green cover to mitigate noise and air pollution. The industry agreed to increase the green area from 17% to 19%.

The Committee further observed that in the EIA report, somewhere it has been mentioned that the septic tank for treatment of effluent shall be installed and somewhere, it has been mentioned that STP will be installed. The industry was asked to clarify as to whether STP shall be installed or septic tank shall be constructed to treat the domestic effluent. In this regard, the industry apprised the Committee that the septic tank shall be installed for the treatment of domestic effluent.

The Committee further observed that the industry has proposed to construct 12 KL tank inside the industry to carry out rain water harvesting. In this regard, the Committee observed that the toxic fumes in form of metal oxide, being settled on the roof of the industry, may cause ground

water contamination during rain water harvesting. The Committee asked the industry not to carry out the rainwater harvesting within the industry. The industry agreed to the same.

The Committee was satisfied with the presentation given by the industry and after deliberations, decided to award '**Silver Grading**' to the project proposal under category B1, Activity 3(a) and to recommend the application to SEIAA for the establishment of New Steel manufacturing unit for expansion in steel manufacturing unit at Village Nasrali, Guru Ki Nagri, Anaj Mandi-Bhadla Road, Nasrali, Near Power Grid, Mandigobindgarh, District Fatehgarh Sahib, Punjab subject to the following 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 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 Dadheri, 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 4791.2 Sqm (equal to 36% of the plant area) with native tree species in accordance with SEIAA guidelines. Total 680 tall saplings (minimum 6 feet height) of indigenous species such as Neem, Drek, Kusum, Kadam, Banyan, Peepal, Amaltas, Arjun, Chakarasia etc will be planted.

VIII. Public hearing and Human health issues

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

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

IX. Environment Management Plan

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

Item no.245.02: 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 41,824.27 sqm. (10.33 acres or 4.18 Ha.).

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 09.03.203. 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 until 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/ Nonalloy 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.	Comments regarding suitability of site.	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

		<i>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 instal 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 es 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	Not applicable.

	the nearest Eco sensitive zone)																																																																																	
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:																																																																																	
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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 is 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)																						
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	<table border="1"> <thead> <tr> <th>Description</th> <th>Existing (KLD)</th> <th>Proposed (KLD)</th> <th>Total (KLD)</th> </tr> </thead> <tbody> <tr> <td>Domestic</td> <td>10 KLD</td> <td>10 KLD</td> <td>20 KLD</td> </tr> <tr> <td>Cooling (makeup water)</td> <td>5 KLD</td> <td>36 KLD</td> <td>41 KLD</td> </tr> <tr> <td>Green area</td> <td>0</td> <td>7 KLD</td> <td>7 KLD</td> </tr> <tr> <td>Total</td> <td>15 KLD</td> <td>53 KLD</td> <td>68 KLD</td> </tr> </tbody> </table>			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
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5.8	Rain water harvesting proposal:	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.																					

		Inside: - 3 tanks of 50 KL are proposed for inside rain water harvesting using roof top of the project.				
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	Disposal
		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	11.5		

			Facilities to be provided in Jawahar Lal Nehru Govt. College as per their actual requirement:	0.40
			1) One Submersible Motor (10 HP)	0.40
			2) One Water cooler (100 L)	0.50
			3) 10 Wi-Fi cameras in campus area	0.25
			4) One printer set of HP	0.25
			5) 70 LED Tubes	0.30
			6) 20 Ceiling Fan	8
			7) Rainwater Harvesting System (Construction of storage tank for collection of runoff from college building)	0.75
			8) 10 Street Lights	0.10
			9) Curtains for Girls common room	0.15
			10) Big Size Inverter (2500 Watt)	0.20
			11) Compost Pit	0.20
			12) Repair of Generator set	
		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 area of the proposed sheds. This water shall be reused for horticulture/ sprinkling purpose at loading and un-loading 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,	He stated that the industry has	Environmental consultant replied that	No action plan required.

	Village Tooran, Mandi Gobindgarh, Distt. Fatehgarh Sahib	proposed 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,	He stated that there would be bad impact	Environment Consultant replied	The industrial unit has proposed Rs. 11.5 lakhs

	Village Tooran, Mandi Gobindgarh, Distt. Fatehgarh Sahib	of the industry on the nearby Government college and what measures will be taken by the industry to save society.	that the Industry has 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.	under Corporate 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	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

			<p>effluent. And the proposed plant will sign an agreement with M/s Madhav KRG Environmental Solution (P) Ltd. for disposal of hazardous waste of category 35.1.</p> <p>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>Responsibility (CER). Such as:</p> <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. • 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	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

			<p>raised by Sh. Rajwant Singh in the CSR plan of industry.</p> <p>He said that out of the income generated by the proposed industry, 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.</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.
7.	Mr. Malkeet Singh, Village Ambey Majra, 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 reflector 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	25

	viii. Landscaping around the pond	
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 0.40 0.40 0.50 0.25 0.25 0.30 7.5 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	12
4.	Noise Reflector Sheets on walls facing towards Jawahar Lal Nehru Govt. College	4
Total		Rs. 52 Lakhs

The Committee further observed that the industry has proposed to construct 3 tanks of 50 KL inside the industry to carry out rain water harvesting. In this regard, the Committee observed that the toxic fumes in form of metal oxides, being settled on the roof of the industry, may cause ground water contamination during rain water harvesting. The Committee asked the industry not to carry out the rainwater harvesting within the industry. The industry agreed to the same.

The Committee was satisfied with the presentation given by the industry and after deliberations, decided to award '**Silver Grading**' to the project proposal under category B1, Activity 3(a) and to recommend the application to SEIAA for expansion in steel manufacturing unit namely M/s Belco Special Steels Pvt. Ltd at village Turan, Amlh Road, Mandi Gobindgarh, District Fatehgarh Sahib, Punjab subject to the following 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 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, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
- iv. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
- v. The project proponent shall carry out the activities apart from CER activities and spent an amount as commuted during the public hearing as per the public hearing action plan.

IX. Environment Management Plan

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

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

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.

Item No. 245.03: Application for Environment Clearance for expansion in steel manufacturing unit at Village- Doraha, Rampur Road, Tehsil-Payal, District-Ludhiana, Punjab by M/s Saeco Strips Pvt. Ltd. (SIA/PB/IND1/421990/2023).

The industry is an existing unit and was granted consent to operate under the provisions of the Water Act 1974 and Air Act 1981 for the manufacturing of agricultural implements @ 30 No./day which is valid upto 30.06.2025.

The industry was granted Terms of References (TOR) vide letter number SEIAA /2020/1841 dated 29.07.2020 for the manufacturing of 92,400 TPA of steel ingots/billets and 73100 of structural steel (round, coil, flats, wire rod, TMT bars) with one existing induction furnace of capacity 8 TPH and proposed induction furnace of capacity 15 TPH and CCM.

The total project cost is Rs 24.04 Crores. 25% of the fee, which comes out to be Rs. 60,100/- which has been deposited RTGS vide UTR No. C8INH9283139553 dated 10/10/2019 and remaining 75% of fee i.e Rs. 1,80,300 /- vide UTR No. CBINH23069800394 dated 10.03.2023. The adequacy of the fee has been checked & verified by the supporting staff SEIAA.

Punjab Pollution Control Board vide letter No. 5834 dated 07.03.2023 forwarded comments w.r.t suitability of site, adequacy of pollution control equipment's and construction status etc. as under:

“The industry was visited by officer of Regional Office-2, Ludhiana on 27/01/2023 and reported as under:

Sr. no.	Information sought	Comments of the Board
1.	Comments regarding suitability of site	<i>The existing of the industry falls in the industrial zone as per Master Plan of Ludhiana (2007-31). The industry has proposed expansion in the existing land. Hence, the site of the industry suitable for the proposed expansion project.</i>
2.	Adequacy of pollution control equipment's	<p>Air Pollution-The industry has proposed expansion of the existing steel manufacturing unit by installing one additional induction furnace of capacity 15 TPH and one concast unit. The industry has proposed to install Pulse jet Bag Filter as APCD with side hood technology as per design of PSCST Chandigarh with Industry furnace.</p> <p>Water Pollution-There will be no generation of trade effluent. It has proposed domestic effluent generation @ 7.5 KLD which will be treated in STP of 10.0KLD capacity and further treated water will be used in Plantation/ Green area,. Cooling water shall be re-circulated through cooling tower.</p> <p>Hazardous waste- Used oil generated from DG set will be used as lubricant within the industry. The dust generated from</p>

		<i>APCD (category 35.1) will be stored in covered storage with impervious flooring and sent to M/s Madhav Alloys, which is an authorized recycler. Hence the pollution control arrangement proposed by industry are principally adequate.</i>
3.	<i>Construction status</i>	<i>No construction has been done for expansion project No machinery for expansion project is arrived at site</i>
4.	<i>Green Area</i>	<i>The industry has total area of 27968.22 Square meter in the existing premises. The industry has submitted proposal of developing green area in 9243.68Sqr. mtr. In existing premises (i.e. 33.01% of total area of the project).</i>

Deliberations during 245th meeting of SEAC held on 24.04.2023.

The meeting was attended by the following:

- (i) Sh. Satish Sharma, Manager M/s Saeco Strips Pvt. Ltd.
- (ii) Sh. Sital Singh, Environmental Consultant, M/s. Chandigarh Pollution Testing Laboratory.
- (iii) Sh. Sandeep Singh, Consultant, M/s. Chandigarh Pollution Testing Laboratory.

SEAC allowed the Environmental Consultant of the Promoter Company to present the reply before the Committee. The Environmental Consultant thereafter presented the case as under:

Sr. No.	Description	Details
1	Basic Details	
1.1	Name of Project & Project Proponent:	M/s Saeco Strips Pvt. Ltd. Sh. Davinder Singh (Director) Village-Doraha, Rampur Road, Tehsil-Payal, District-Ludhiana, Punjab
1.2	Proposal:	
1.3	Location of Industry:	Village-Doraha, Rampur Road, Tehsil-Payal, District-Ludhiana, Punjab
1.4	Details of Land area & Built up area:	27968.22 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	Total – Rs 24.04 Cr.
1.7	Compliance of Public Hearing Proceedings	Detailed Action Plan along with timeline and Budget allocation is given as Annexure I .
2.	Site Suitability Characteristics	
2.1	Whether site of the industry is suitable as per	Yes, the site falls in industrial zone as per the Master of Ludhiana.

	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)	The site of the industry falls in Industrial area of Ludhiana. A copy of the land use classification letter issued by DTP Ludhiana vide no. 3748 dated 03.12.2019 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 forest land is involved in the project. An undertaking in the prescribed format submitted.			
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% of total area as per MoEF&CC stipulated norms will be developed as the green belt. 2313 trees need to be planted. Out of which 1313 trees have already been planted. A total of 1000 trees will be planted.			
4.1	Raw material, Products and Machinery details are as under:				
	S.No.	PARTICULARS	EXISTING	PROPOSED	TOTAL
	A.	PROPOSED CAPACITY OF FURNACES			
	1.	Induction Furnace	1X8 TPH	1X15 TPH	1X8 TPH and 1X15 TPH
	2.	Reheating Furnace	01	Nil	01 No.
	3.	Concast	Nil	1 No.	1 No.
	4.	DG Set	1x82KVA	Nil	1x82KVA
	B.	PRODUCTS (TPA)			

	1.	Steel Ingots/ Billets	29,400	63,000	92,400
	2.	Structural Steel (Round, Coil, Flats, Wire rod, TMT Bars)	23,100	50,000	73,100
	C.	RAW MATERIAL (TPA)			
	1.	Iron Steel Scrap	31,500	67,272	98,772
	2.	Steel Ingots/Billets	29,500	63,000	92,500
	D.	GENERALS			
	1.	Project Cost (Cr)	Rs 9.04	Rs 15.0	Rs.24.04
	2.	Land (Sqm.)	10037	17931.22	27968.22
	3.	Power (KW)	3999	7001	11000
	4.	Manpower (Nos.)	90	60	150
	5.	Working days	350 working days in year-round the clock		
4.2	Population details		Existing Manpower – 90 Additional - 60 Total- 150		
5	Water				
5.1	Total water requirement:		61.5 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		PWRDA Application is submitted.		
5.4	Total water requirement for domestic purpose:		7.5 KLD		
5.4.1	Total wastewater generation:		Industrial Effluent – Nil Domestic wastewater – 6.0 KLD		
5.4.2	Treatment methodology for domestic wastewater: (STP capacity, technology & components)		No waste water is generated from the industrial operations. However, 6.0 KLD domestic waste water will be treated in STP of capacity 10 KLD and treated wastewater thereafter shall be used in landscaping and plantation.		
5.5	Total water requirement		Total Water requirement- 61.5 KLD		
5.5.1	Total effluent generation:		There are no generations of effluents from process.		
5.5.2	Treatment methodology for industrial wastewater:		NA		

	(ETP capacity, technology & components)																					
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 90,000KL/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 Phytorid waste water treatment technology and overflow water will be discharged into the pond.</p> <p>Inside: - A tank of 18 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:																					
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	3.	CCM	Nil	01 No.	---	
	4.	DG Sets	1x82 KVA	--	Stack with adequate stack height	
7	Waste Management					
7.1	Total quantity of solid waste generation		Solid Waste			
			S.No.	Waste Category	After Expansion	Disposal
			1.	Slag	12.6 TPD	Will be given to tiles manufacturing units under proper agreement for final disposal.
	Slag agreement not submitted.					
7.2	Details of management of Hazardous Waste.		Solid/ Hazardous Waste			
			S.No.	Waste Category	After Expansion	Disposal
			1.	35.1 Flue gas cleaning residue	0.03 TPD	Will be sent to M/s Madhav Alloys for final disposal.
		2.	Used Oil	0.015 kl/annum	Will be used as lubricant within the premises.	
8	Energy Saving & EMP					
8.1	Power Consumption:		Existing – 3999 KW Additional – 7001 KW After Expansion – 11000 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		CER activities- Based on Public hearing issues the following CER activity will be carried out			
			S.No.	CER Activity	Timeline	Budget allocation
			1.	Village Pond Rejuvenation (Rampur)	Within one year after grant of EC	Rs 24.0 Lakhs
10.	EMP BUDGET					

S. No	Title	Capital Cost Rs. Lakh	Recurring Cost Rs. Lakh/Cost annum	Indicative basis for cost estimate
1.	Air Pollution Control	75.00	10.0	Capital: Installation of fume extraction system, bag house, adequate stack height & OCEMS etc. Recurring: Cost of stack monitoring & maintenance
2.	Water pollution Control (installation of STP @ 10 KLD)	10.0	0.60	Capital: Installation of STP, Manpower Cost, Cost of Chemicals, Electricity Recurring: Water quality monitoring of STP, RWH, Treated water utilization
3.	Green Belt development	10.0	23.13 (for three years)	Capital: Green Belt Development Recurring: Green Belt Maintenance
4.	Noise Pollution Control	0.30	0.02	Capital: Installation of acoustic enclosure Recurring: Monitoring & Maintenance cost
5.	Solid/ Hazardous Waste Management	5.50	0.70	Capital: Membership of TSDF & storage areas for hazardous waste Recurring: Cost of storage & transportation of waste

	6.	Occupational Health, Safety and Risk Management	5.0	0.05	Capital: Occupational Health Centre & tie up for ambulance Recurring: Annual Health Check up Cost & Work place monitoring
	7.	Fire Safety	5.0	0.05	Capital: Fire Hydrant, detectors, protection & alarm Recurring: Emergency & Rescue Alarms & equipments, rescue vehicles
	8.	Miscellaneous	5.0	---	
	9.	CER	24.0	--	
		TOTAL	139.8 Lakh	34.55 Lakhs	

Sr. 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	Time Line
1.	Shri Makhan Singh resident of village Sahnewal	What are the constituents of hazardous waste, their hazardous characteristics and management practices proposed by the industry?	The Industry's environmental consultant stated that used oil and flue gas cleaning residue are the hazardous wastes generated by the industry. Due to the presence of heavy metals like Zn, Pb, Cr, Ni etc present in the APCD dust. They are toxic in nature as they can enter the food chain. The flue gas cleaning residue will be disposed off to approved processors of hazardous waste for recovery of metals, Whereas the	All the hazardous waste will be managed as per Hazardous & other wastes (management & Transboundary Movement) Rules-2016.	The management practice is in vogue in the existing industry and the same will be followed after expansion comes into being. Budgetary Allocation- For Hazardous Waste Rs. 5.50 lakhs has been kept as Capital cost and Rs.

			used oil from DG Set will be used as lubricant within the industry.		0.70 lakhs as recurring cost.
2.	Shri Mohinder Singh resident of Village Kanech	What are the solid waste generation and its management?	The Industry's environmental consultant said that the high volume waste which is not hazardous is furnace slag, which after recovery of Iron will be sold to manufacturers of cement, Concrete blocks, pavers and tiles etc.	Solid waste shall be managed as per swan rules.	Solid waste (furnace slag) shall be disposed off simultaneously with its generation and no storage will be done. <u>Budgetary Allocation-</u> For Hazardous Waste Rs. 5.50 lakhs has been kept as Capital cost and Rs. 0.70 lakhs as recurring cost.
3.	Shri Harpreet Singh Gill resident of village Doraha	What is the likely impact on Air quality due to dust pollution from the Industry.	The Industry's environmental consultant replied that high quality Bag Filters having efficiency more than 99.9% with offline cleaning technology will be employed as APCD on Induction Furnace. Side suction hood will be used for the control of fugitive emissions. APCD will be operated and maintained as per SOP prescribed by the board. There will be insignificant impact on the existing air quality after the coming into being of the proposed expansion.	APCS will be installed simultaneously with the construction of project.	The APCS will be installed along with the construction of project & operational with the start of commercial production. Air quality will be monitored as per the EC/Consent conditions with the Environmental data displayed prominently. <u>Budgetary Allocation-</u> For Hazardous Waste Rs. 75.0 lakhs has been kept as Capital

					cost and Rs. 10.0 lakhs as recurring cost.
4.	Shri Manpreet Singh resident of village Rampur	What are the employment provision for surrounding villages and social work to be undertaken by the industry for the welfare of the surrounding villages.	The Industry's environmental consultant replied that based on the educational qualification and skills, local people will be employed for the proposed manpower requirement. The industry will undertake welfare activities in the area based on the resolutions passed by the concerned panchayat and those prescribed by SEIAA at the time of appraisal of the project.		Employment will be offered to locals with the start of construction work & continue during the project site or superannuation of the employee. The Industry has adopted a pond of village Rampur for Rejuvenation. Budgetary Allocation- Rs 24.0 lakhs has been kept for CER activities.

During meeting, the Committee perused the photographs of the green area developed by the industry and observed that the industry has planted saplings of average height less than 6 feet. The Committee advised the industry to plant saplings of at least 6 feet height and asked the industry to revise the EMP accordingly. The industry agreed to the same and revise the details of the EMP activities as under:

S. No	Title	Capital Cost Rs. Lakh	Recurring Cost Rs. Lakh/Cost annum	Components of Capital & Recurring Cost	Compliance of Environmental concerns raised during public hearing
1.	Air Pollution Control	75.00	10.0	Capital: Installation of fume extraction system, bag house, adequate stack height & OCEMS etc.	To address concern no. 3 of public hearing

				Recurring: Cost of stack monitoring & maintenance	
2.	Solid / Hazardous Waste Management	5.50	0.70	Capital: Membership of TSDF & storage areas for hazardous waste Recurring: Cost of storage & transportation of waste	To address concern no. 1 &2 of public hearing
3.	Water pollution Control (installation of STP @ 15 KLD)	10.0	0.60	Capital: Installation of STP, Manpower Cost, Cost of Chemicals, Electricity Recurring: Water quality monitoring of STP, RWH, Treated water utilization	
4.	Green Belt development	24.0	24.0 (for three years)	Capital: Green Belt Development Recurring: Green Belt Maintenance	
5.	Noise Pollution Control	0.30	0.02	Capital: Installation of acoustic enclosure Recurring: Monitoring & Maintenance cost	
6.	Occupational Health, Safety and Risk Management	5.0	0.05	Capital: Occupational Health Centre & tie up for ambulance Recurring: Annual Health Checkup Cost & Work place monitoring	
7.	Fire Safety	5.0	0.05	Capital: Fire Hydrant, detectors, protection & alarm Recurring: Emergency & Rescue Alarms & equipments, rescue vehicles	
8.	Rain water harvesting	10.0	0.10	Capital: Construction of storage tank Recurring: Maintenance	

9.	CER activities	24.0	--	Rejuvenation of pond of village- Rampur by converting existing pond into:- Screen chamber Oil & grease trap Grit chamber Anerobic pond Facultative pond Polishing pond	To address concern no. 4 of public hearing
10.	Miscellaneous	5.0	---		
Total		163.8	35.52		

The Committee further observed that the industry has proposed to construct tank of 18 KL inside the industry to carry out rain water harvesting. In this regard, the Committee observed that the toxic fumes in form of metal oxide, being settled on the roof of the industry, may cause ground water contamination during rain water harvesting. The Committee asked the industry not to carry out the rainwater harvesting within the industry. The industry agreed to the same.

The Committee was satisfied with the presentation given by the industry and after deliberations, decided to award '**Silver Grading**' to the project proposal under category B1, Activity 3(a) and to recommend the application to SEIAA for expansion in steel manufacturing unit at Village- Doraha, Rampur Road, Tehsil-Payal, District-Ludhiana, Punjab subject to the following 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 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 Doraha, District Ludhiana 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 9243.78 Sqm (equal to 33% of the plant area) with native tree species in accordance with SEIAA guidelines. Total 2313 tall saplings (minimum 6 feet height) of indigenous species such as Neem, Drek, Kusum, Kadam, Banyan, Peepal, Amaltas, Arjun, Chakarasia etc will be planted.

VIII. Public hearing and Human health issues

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

IX. Environment Management Plan

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

XIV. 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.

Item No. 245.04: Application for obtaining Environmental Clearance for Residential Plotted colony Project namely “Greenwoods” at Village Tolemajra, Kharar, District SAS Nagar, Punjab by M/s CEE DEE Developers Pvt Ltd (SIA/PB/INFRA2/417319/2023).

The project proponent has applied for obtaining Environmental Clearance for Residential Plotted Project namely “Greenwoods” at Village Tolemajra, Kharar, District SAS Nagar, Punjab. The total land area of the project is 24.61 acres (99,595.790 sq.m) having built-up area of 1,10,655.7 sq.m. The Project is covered under category 8(a) of the schedule appended with the EIA Notification, 2006.

The project proponent has submitted the online form, Conceptual Plan, and other relevant documents through Parivesh Portal. The Project Proponent has deposited Rs. 2,21,315/- vide UTR no. ICICR42023020200514400 dated 02.02.2023, as checked & verified by the supporting staff of SEIAA.

The latest construction status report has received from Punjab Pollution Control Board vide letter no. 1686 dated 14.03.2023 as under:

“The proposed site of the project was visited by officer of the Board on 27.02.2023 and the point wise status report is as under:

- 1. The proposed site of the project is located at Village Tolemajra, Kharar, District SAS Nagar. The Project Proponent has earmarked its site with flag poles and no boundary wall/fencing is provided.*
- 2. The proposed site does not fall within Municipal limits of MC, Kharar.*
- 3. The Project Proponent has not started development works at site however, has constructed (Temporary structure) for office/sale office building only.*
- 4. There is one Marriage Palace namely M/s Cavanal Hill Banquet abutting to the boundary of the proposed project.*
- 5. As per the boundary limits shown by the representative, it was observed that there is no operational approved/consented industry such as rice sheller/saila plant/brick kiln/stone crushing/screening cum washing unit/hot mix plant/cement grinding unit within a radius of 500m. There is no operation approved/consented air polluting industry within a radius of 100m from the boundary of the project site and there is no operational approved/consented MAH industry within a radius of 250 m from the boundary of the proposed site. There is no operational approved/consented jaggery unit within 200m.*
- 6. The site of the project is conforming of the sitting guidelines laid down by the Govt of Punjab, Department of Science Technology and Environment vide order dated 25.07.2008 as amended on 30.10.2009.*

It is mentioned here that the land proposed by the Project Proponent for the disposal of treated effluent onto land for horticulture/plantation is not adequate.”

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 presented the case as under:

Sr. No.	Description	Details
1	Basic Details	
1.1	Name of Project & Project Proponent:	Affordable residential Plotted colony project namely “GREENWOODS” by M/s CEE DEE Developers Pvt. Ltd.
1.2	Proposal:	SIA/PB/INFRA2/417319/2023
1.3	Location of Project:	Village Tolemajra, Kharar, Distt. SAS Nagar, Punjab
1.4	Details of Land area & Built up area:	Site area: 24.61 acres (99,595.790 sq.m) Built up area: 1,10,655.7 sq.m.
1.5	Category under EIA notification dated 14.09.2006	The project falls under S.No. 8(a) - ‘Building & Construction Project’ as built-up area of the project will be 1,10,655.7 sq.m.
1.6	Cost of the project	Rs. 55.10 Crores
2.	Site Suitability Characteristics	
2.1	Whether project is suitable as per the provisions of Master Plan:	As per Master plan of Kharar, project site falls within the Residential zone. Copy of Master Plan of Kharar showing the project site is submitted.
2.2	Whether supporting document submitted in favour of statement at 2.1, details thereof: (CLU/building plan approval status)	Permission for change of land use has been obtained for 24.61 acres of land vide Memo No. PB/CLU/SAS/KHARA/2977 dated 30.12.2022; copy of same is submitted.
3	Forest, Wildlife and Green Area	
3.1	Whether the project required clearance under the provisions of Forest	No. The project does not involve any forest land.

	Conservations Act 1980 or not:																													
3.2	Whether the project required clearance under the provisions of Punjab Land Preservation Act (PLPA), 1900.	Not submitted																												
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.																												
3.4	Whether the project falls within the influence of Eco-Sensitive Zone or not.	No, there is no wildlife or bird sanctuary within in 10 Km of project location.																												
3.5	Green area requirement and proposed No. of trees:	Total green area: 4,410.547 sq.m. (@ 5% of the net planned area) Proposed trees to be planted: 500 nos.																												
4.	Configuration & Population																													
4.1	<p>Proposal & Configuration</p> <p>(i) The project will comprise of 567 residential plots (including 55 EWS plots), Community Centre, Commercial plots (26 booths) along with associated facilities.</p> <p>(ii) The area bifurcation of residential & commercial components of the project are as under:</p> <table border="1"> <thead> <tr> <th>Description</th> <th>Area (in sq.m.)</th> </tr> </thead> <tbody> <tr> <td>Total Site Area as per CLU</td> <td>99,595.790 sq.m. (24.61 acres)</td> </tr> <tr> <td>Area Under Road Widening</td> <td>11,384.79</td> </tr> <tr> <td>Net planned Area</td> <td>88,211 sq.m. (21.79 acres)</td> </tr> <tr> <td>Area under residential plots including EWS (@ 63.94%)</td> <td>56,401.95</td> </tr> <tr> <td>Area under Commercial (@ 0.96%)</td> <td>845.64</td> </tr> <tr> <td>Area under community center (@ 3%)</td> <td>2,646.33</td> </tr> <tr> <td>Area Under Green (@ 5%)</td> <td>4,410.547</td> </tr> <tr> <td>Area Under Surface Parking (@ 0.67%)</td> <td>594.58</td> </tr> <tr> <td>Area Under Services (@ 0.44%)</td> <td>386.85</td> </tr> <tr> <td> • Underground STP</td> <td>167.27</td> </tr> <tr> <td> • Area Under EGS</td> <td>77.40</td> </tr> <tr> <td> • Area Under Water Works</td> <td>142.18</td> </tr> <tr> <td>Area Under Roads, Pathways etc. (@ 25.99%)</td> <td>22,925.09</td> </tr> </tbody> </table>		Description	Area (in sq.m.)	Total Site Area as per CLU	99,595.790 sq.m. (24.61 acres)	Area Under Road Widening	11,384.79	Net planned Area	88,211 sq.m. (21.79 acres)	Area under residential plots including EWS (@ 63.94%)	56,401.95	Area under Commercial (@ 0.96%)	845.64	Area under community center (@ 3%)	2,646.33	Area Under Green (@ 5%)	4,410.547	Area Under Surface Parking (@ 0.67%)	594.58	Area Under Services (@ 0.44%)	386.85	• Underground STP	167.27	• Area Under EGS	77.40	• Area Under Water Works	142.18	Area Under Roads, Pathways etc. (@ 25.99%)	22,925.09
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4.2	Population details: The component wise bifurcation of the population is as under:			
	Sl. No.	Area Type	No. of Plots/ Booth/ Area	Criteria
	1.	Residential Plots	567 Plots	15 persons/ plot
	2.	Commercial (Booths)	26 Nos.	2 persons/ booth
	3.	Community Centre	2,646.33 sq.m.	3 sq.m /person
	4.	Visitors	-	10% of residential population
	Total Estimated Population = 10,290 Persons			
5	Water			
5.1	Details of water requirement, wastewater generation and treated wastewater generation and its utilization.			
	Sl. No.	Details	Population	Criteria
	1.	Residential population	8,505	@ 135 lpcd
	2.	Commercial population	52	@ 45 lpcd
	3.	Community Centre	882	@ 45 lpcd
	4.	Visitors	851	@ 15 lpcd
	5.	Water Requirement		1,203 KLD
	6.	Wastewater Generation (@ 80% of water requirement)		962 KLD
	7.	Treated Sewage (@ 98%)		943 KLD
	8.	Flushing Water Requirement (@ 45 lpcd for residential population, @ 20 lpcd for floating population & @ 10 lpcd for visitors)		383+19+9= 411 KLD
	9.	Total Fresh Water Demand		1,203 -411= 792 KLD
	10.	Green area water req. for 4,410.547 sq.m.		

	<ul style="list-style-type: none"> • Summer (@ 5.5 lt./m2/day) 	24 KLD
	<ul style="list-style-type: none"> • Winter (@ 1.8 lt./m2/day) 	8 KLD
	<ul style="list-style-type: none"> • Monsoon (@ 0.5 lt./m2/day) 	2 KLD
	<p>(i) The wastewater generated shall be treated in the STP and the treated effluent shall be utilized for landscaping & flushing as mentioned above.</p> <p>(ii) Further excess treated wastewater of quantity 508 KLD, 524 KLD and 530 KLD generated during the summer, winter and rainy seasons shall be utilized in the adjoining land area of 5 acres to be developed as per Karnal Technology.</p> <p>(iii) A copy of affidavit submitted by Sh. Harchand Singh S/o Sardara Singh and Sh Rajinder Singh S/o Sardara Singh informing that they are the owners of the 5 acres of land lying adjoining to the proposed project and they have no objection if the treated wastewater from the STP shall be discharged onto aforesaid land. Furthermore, no third-party interest shall be created in the land to be developed as per Karnal Technology. The 5 acres of land area bearing khasra no. mentioned in the Jamabandi is required to be highlighted</p>	
5.2	Rain water harvesting proposal:	6 Rain Water Recharging pits with triple bores have been proposed for artificial rain water recharge within the project premises. Layout plan showing proposed 6 Rain Water Recharging pits with triple bores is enclosed with application.
6	Air	
6.1	Details of Air Polluting machinery:	1 DG set of capacity 125 KVA will be installed for services such as STP, borewells etc.
6.2	Measures to be adopted to contain particulate emission/Air Pollution	DG set 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	3,759 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.	Solid waste management area has been provided and marked in conceptual layout attached along with the application. Biodegradable waste will be composted by use of 1 Composter of 700 kg & 2 Composters of 500 kg each. Recyclable component will be disposed off through authorized recycler vendors. Inert waste will be dumped to authorized dumping site.
7.3	Details of management of Hazardous Waste.	Hazardous Waste in the form of used oil from DG set will be generated which will be managed & disposed off to authorized vendors as per the Hazardous & Other Wastes

		(Management & Transboundary Movement) Rules, 2016 and its amendments.		
8	Energy Saving & EMP			
8.1	Power Consumption:	Total power demand for the proposed project will be 5466 KVA which will be provided by Punjab State Power Corporation Limited (PSPCL).		
8.2	Energy saving measures:	Use of LEDs is proposed in all common areas and the residents shall be educated about the huge savings in their electricity bills, if they use the LED.		
8.3	Details of activities under Environment Management Plan.			
		Construction Phase		Operation Phase
	S. No.	Title	Capital Cost (in Lakhs)	Recurring Cost (in Lakhs per Annum)
			Capital Cost (in Lakhs)	Recurring Cost (in Lakhs per Annum)
	1.	Air Pollution Control (tarpaulin sheets/ barricading, water sprinklers, etc.)	5	0.5
	2.	Water Pollution Control (STP of Capacity 1,125 KLD based on MBBR technology followed by UF)	130	1
	3.	Noise Pollution Control (Maintenance of machinery & PPE's)	3	1
	4.	Landscaping (500 nos. of trees and green area development)	8	2
	5.	Solid Waste Management (1 Composter of 700 kg & 2 Composters of 500 kg each.)	50	3
	6.	Rain water Harvesting (6 pits with triple bores)	30	2
	7.	Energy Conservation (LED & solar lights in common areas)	5	0.5
				Recurring Cost (in Lakhs per Annum)
				0.5
				10
				1
				15 (For 3 years)
				5
				3
				1

8.	Miscellaneous (Environment monitoring cost, etc.)	9	2	2
Total		Rs. 240 Lakhs	Rs. 12 Lakhs	Rs. 37.5 Lakhs
Further, Rs. 55 Lakhs i.e. 1% of total project cost has been reserved under CER activities.				

The Committee observed that Project Proponent has proposed to discharge its excess treated wastewater in the adjoining land area of 5 acres to be developed as per Karnal Technology.

In this regard, the Committee 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.”

In view of above, the Committee did not agree with the proposal of the Project Proponent to utilize its excess treated wastewater in the adjoining land area. Besides this, the Committee also observed certain shortcomings in the proposal w.r.t agreement with the concerned Municipal Authority for disposal of inert waste, details of activities being carried out under CER etc.

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

- (i) The Project Proponent shall submit the alternate scheme for disposal of excess treated wastewater.
- (ii) The Project Proponent shall submit the agreement with the concerned Municipal Authority for disposal of inert waste.
- (iii) The Committee observed that the Project Proponent has proposed to spend Rs. 55 lacs under CER activities, however, did not proposed any activities under CER. The Project Proponent shall submit the details of the activities to be carried out under CER along with NOC from concerned stakeholders.
- (iv) The Project Proponent shall check the capital cost of STP considered in the EMP which seems to be on lower side.

- (v) The Project Proponent shall submit the self-declaration in the prescribed format to the effect that the land area of the project does not cover under the purview of the Forest Conservation Act, 1980, Wildlife Protection Act, 1972 and Eco-sensitive zone.

Item No. 245.05: Application for Issuance of TOR for Expansion of “Super Mega Mixed Use Integrated Industrial Park” Project at Sectors-66A, 82 & 83, SAS Nagar (Mohali), Punjab by M/s Janta Land Promoters Pvt. Ltd. (SIA/PB/INFRA2/404854/2022)

During meeting, the Project Proponent submitted a request letter for the deferment of the case to the next meeting due to some business exigencies. A copy of the said letter was taken on record by the Committee.

In light of the request made by the Project Proponent, the Committee decided to defer the case to next meeting.

Item No. 245.06: Application for Environment Clearance for steel manufacturing unit at Village Kumbh, Amlah road, Mandi Gobindgarh, District Fatehgarh Sahib, Punjab by M/s Hind Alloys (Proposal No. SIA/PB/IND1/408052/2022).

The industry is an existing steel manufacturing unit and had already obtained Consent to Operate under the provisions of the Air Act 1981 & Water Act 1974 for carrying out manufacturing of billets @ 84 MTD or flats etc (with rolling mill section without reverberatory furnace), which are valid up to 30.09.2025.

The industry was granted Terms of Reference for carrying out expansion of steel manufacturing unit for production of 180 TPD of steel ingots by replacing existing induction furnace of capacity 6TPH with 15 TPH. 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. 13.57 Crore.

The industry has submitted final EIA report after incorporating the compliance of the ToRs and public hearing proceedings. The industry has mentioned in the application proposal that the baseline data of M/s Dev Bhoomi Castings Pvt. Ltd. for the period October-December 2021 has been considered as the proposed industry falls within the buffer zone (3 Km) of M/s Dev Bhoomi Castings Pvt. Ltd. Further, additional one-month Environmental monitoring has been carried out from 15.11.2021 to 15.12.2021.

The industry has submitted application form and Pre-Feasibility Report along with other relevant documents through Parivesh Portal. The industry has deposited Rs. 1,35,700/- vide UTR No. N329222219761199 dated 25.11.2022 as verified by the supporting staff of SEIAA.

Punjab Pollution Control Board vide letter no. 20817 dated 03.10.2022 sent the proceedings of the public hearing of the subject cited industry conducted on 17.08.2022, wherein the comments pertaining to the construction status, adequacy of pollution control proposal and suitability of site submitted. The relevant portion of the comments are as under:

“Suitability of Site

The site of the industry was visited by the Officers of the Board on 12.07.2022. The existing site of the industry falls in the industrial zone as per Master Plan of Mandi Gobindgarh (2010-31_. The industry has not proposed any additional land. Therefore, the site of the industry is suitable for proposed expansion project.

Adequacy of Pollution Control Proposal

The industry has proposed expansion of the existing steel manufacturing unit by replacing existing induction furnace of capacity 7 TPH with 1 no. induction furnace of capacity 15 TPH and a rolling mill. It has proposed to install side suction hood followed by spark arrestor bag house as APCD as per the design of PSCST, Chandigarh. The proposed pollution Control measure are principally in order.

There will be no generation of trade effluent. It has proposed to provide STP of capacity 5 KLD for the treatment of domestic effluent @ 3.0 KLD. The treated water will be used in plantation/green area.

The generation of hazardous waste of category 35.1 will be 0.5 TPD and 5.1 @ 0.05 KL Year, which will be disposed off to authorized utilizer and recycler respectively as per Hazardous & other Wastes (Management & Transboundary Movement) Rules, 2016.

Construction Status

The industry has not started any construction activity w.r.t proposed expansion project. The industry has not purchased any additional land for the expansion of the project and has proposed its expansion in existing premises (12881.04 sqm) only. Also, it has submitted proposal for developing green area in 4256.50 sqm in existing premises only (33%) of total area of the project i.e. 12881.04 sqm.”

Deliberations during 236th meeting of SEAC held on 09.01.2023.

The meeting was attended by the following:

- (i) Mr. Ramal Kumar, Partner, M/s Hind Alloys.
- (ii) Mr. Sandeep Garg, EC-Coordinator, M/s Eco Laboratories Pvt. Ltd.
- (iii) Mrs. Jyoti Rani, EIA Coordinator, M/s Eco laboratories Pvt. Ltd.

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

S. No.	Item No.	Details
1.	Nature of Project	Existing steel manufacturing unit namely Hind Alloys located at Village Kumbh, Amlah Road, Mandi Gobindgarh, Distt. Fatehgarh Sahib, Punjab for increasing the production capacity to 180 TPD.
2.	Category/Activity	Schedule: 3(a): Metallurgical Industries (ferrous & non-ferrous) Category: B-1
3.	Whether the project falls in critical polluted area notified by MoEF&CC/ CPCB.	No, the project is not located in critically polluted area as notified by MoEF&CC/ CPCB.
4.	a. Total Project Cost	a. Total cost of the Project: Rs. 1,357.94 Lakhs.

	b. Total project cost breakup at current price level	b. Break-up of the project cost is given as under:				
		S. No.	Description	Existing Cost (Rs. in lakhs)	Proposed Cost (Rs. in lakhs)	Total Cost after expansion (Rs. in Crores)
		1	Land	16.49	-	16.49
		2	Building	127.37	-	127.37
		3	Plant & Machinery	821.58	250	1,071.58
		4	Pollution control devices (APCD with OCMS & STP)	35	90	125
		5	Miscellaneous	2.5	15	17.5
		Total cost of project		1,002.94 lakhs	355 lakhs	1,357.94 lakhs
5.	i. Whether Forest/PLPA land is involved in the proposed project ? ii. Whether Wild Life Area is involved in the proposed project ?	The industry has submitted report furnished by Divisional Forest Officer, Patiala Forest Division addressed to Chief Conservator of Forest vide no. 4815 dated 04.07.2018, wherein it has been recommended to issue NOC to the proposed industry.				
6.	Details of technology proposed for control of emissions & effluents generated from project	S. No.	Details of proposed APCD/ STP	Technology	Capacity	
		1.	APCD	Side Suction Hood followed by Jet Bag Filter	80,000 CHM	
		2.	STP	Based on MBBR technology	5 KLD	
7.	Plot Area Details	Area breakup of the project is given below:				
		S. No.	Details	Area (sq. m.)	Percentage (%)	
		1.	Covered Area	4,827.87	37.47	

		2.	Green Area	4,256.50	33.04
		3.	Road Area	2,881.04	22.36
		4.	Parking Area	553.41	4.29
		5.	Open & utility area	362.22	2.81
		Total Area		12,881.04 sq.m. (3.18 acres)	100%
8.	Type of project land as per master plan	Project falls within Industrial Zone as per Master Plan of Mandi Gobindgarh.			
9.	ToR Compliance Report	Submitted			
10.	Compliance Report of Public Hearing Proceedings (Action Taken)				
	S. No.	Name & address of the person	Detail of query/statement/information/clarification sought by the person present	Reply of the query/statement/information/clarification given by the project proponent	Action plan
	1.	Mr. Nirmal Singh, Village Kumbh, Distt. Fatehgarh Sahib.	How the Public will be benefited from the expansion of the industry?	The Environmental Consultant replied that it would increase employment with expansion of industry. In addition to workers already working in this factory, 35 more workers will be given employment & indirectly truckers will get transportation work. Industry assure resident of nearby villages will be given employment on priority basis.	Additional 35 workers will be hired after grant of Environmental Clearance.
	2.	Mr. Karnail Singh, Village Kumbh, Distt. Fatehgarh Sahib.	He said that there is a lot of dust pollution in the vicinity of this factory due to which it is difficult to stay there.	The Environmental Consultant replied that 33% green area has been proposed by the factory. Also STP will be installed and dust pollution will be	Installation of STP and green area of 33% done immediately after grant of Environmental

				reduced by sprinkling treated water on the road. Further, the Environmental Engineer, PPCB requested the project proponent to pave the road in front of the factory.	Clearance. Further, Rs. 10 lakhs have been proposed for paving of front road of 360 m (1,180 feet) long.
3.	Mr. Malkeet Singh, Village Jassran, Distt. Fatehgarh Sahib.	He requested the Environmental consultant to use Punjabi language while giving information about the factory.		The Environmental consultant of the industry agreed to do so.	No action required.
4.	Mr. Gurinderpal Singh Happy, Sarpanch, Village Kumbh, Distt. Fatehgarh Sahib.	During the rainy season, the water from the factories comes on the roads due to which, the roads are broken. In this regard, arrangements should be made to drain the water through the pipeline.		The Environmental consultant replied that no water from this factory will be released on the road. Also, STP will be installed to treat domestic effluent and same will be used for cooling purpose and sprinkling on roads to suppress dust pollution.	Domestic wastewater generated from the unit will be treated in STP to be installed immediately after grant of EC.
5.	Mr. Jatin Sood, M/s Royal Alloys, Village Kumbh, Distt. Fatehgarh Sahib.	He told that industries are not discharging water on roads. During Rainy season, water gets stuck on roads and traffic creates potholes on roads. Main reason for the breakdown of roads is the lack of proper drainage for rainwater. Further, he advised PPCB that		The Environmental Engineer, PPCB replied that the department is already imposing condition to provide thick plantation of spreading crown varieties of evergreen trees all along the boundary wall of industries.	Development of green area of 33% shall be done immediately after grant of EC with 3 tire plantations of trees along boundary wall with native thick canopy species only such as Neem,

			while giving consent to industries, an additional condition of planting trees along roads and in adjacent villages should be imposed.		Pipal, Banyan, Arjun, Kadam etc.	
11.	Whether any litigation pending against the project or any direction/ order passed by SPCB/ Court of Law against the project, if so, details thereof shall also be included.	No litigation is pending against the project. Undertaking in this regard has been submitted.				
12.	Details of the raw materials given below:					
	S. No.	Status	Raw Materials	Quantity (TPD)	Source	Mode of transport
	1.	Existing	Scrap & Ferro Alloys	92	Mostly from Local suppliers of Mandi Gobindgarh & Ludhiana	By road through trucks (No. of trucks required: approx. 5 trucks per day)
	2.	After Expansion		200		By road through trucks (No. of trucks required: approx. 10 trucks per day)
13.	Details of the products given below:					
	S. No.	Existing	After expansion			
	1.	4 TPD of Billets or Flats	180 TPD of Ingots/Billets/Flats			
14.	Details of major machinery given below:					
	S. No.	Equipment's/ Machinery	Existing	Proposed	Total after expansion	
	1.	Induction Furnace	1 × 7 TPH	Replacement of existing IF	1 × 15 TPH	
	2.	Rolling Mill	1	-	1	

	3.	DG set	1 × 125 KVA	Replacement of existing DG set	1 × 320 KVA	
16.	Details of emissions:					
	S. No.	Source	Status	Capacity	Chimney Height	APCD
	1.	Induction Furnace	Existing	1 × 7 TPH	30 m	Side Suction Hood followed by Pulse Jet Bag Filter of capacity 36,000 CMH
			After Expansion	1 × 15 TPH	30 m	Side Suction Hood followed by Pulse Jet Bag Filter of capacity 80,000 CMH
	2.	DG Set	Existing	1 × 125 KVA	3 m	Canopy
			After Expansion	1 × 320 KVA	5 m	Canopy
17.	Hazardous/Non-Hazardous Waste Generation details & their storage, utilization and its disposal. Copy of agreement clearly mentioning the Quantity					
	Hazardous Waste:					
	S.No.	Waste category	Existing	After expansion	Disposal	
	1.	Category 35.1 APCD dust	0.25 TPD	0.5 TPD	APCD dust given to M/s Madhav KRG Ltd. A copy of the agreement executed with M/s Madhav KRG Limited submitted.	
	2.	Category 5.1 Used oil	0.05 KLA	0.25 KLA	Given to authorized vendor	
	Non-Hazardous Waste:					
	S.No.	Waste	Existing	After expansion	Disposal	
	1.	Slag	2.8 TPD	6 TPD	20% reused for metal recovery & remaining 80% will be given to M/s Aggarwal Cement Tile for co-processing. A copy of agreement executed with M/s Agarwal Cement Tile submitted.	
18.	Solid Waste Generation and its mode of Disposal:					
	S.	Type of	Existing	After	Disposal	

	No.	waste		expansion	
	1.	Domestic solid waste	6 kg/day	14 kg/day	Solid waste will be disposed off as per Solid Waste Management Rules, 2016
19.	Wastewater generation & its disposal Arrangement in Operation phase:				
	S.No.	Description	Existing	After expansion	Mitigation Measures/ Remarks
	1.	Domestic wastewater	1 KLD	3 KLD	Will be treated in proposed STP of capacity 5 KLD
	2.	Industrial effluent	-	-	-
20.	Breakup of Water Requirement & its source in Operation phase:				
	Details	Existing Water Demand (KLD)	Proposed Water Demand (KLD)	Total Water Demand After Expansion (KLD)	
	Makeup water demand for cooling purpose	20	6	26	
	Domestic water demand	1.5	2.5	4	
	Green area water demand				
	• Summer	• 5	• 18	• 23	
	• Winter	• 1.5	• 6	• 7.5	
	• Monsoon	• 0.5	• 1.5	• 2	
	Source of water:				
	S. No.	Purposes	Source of water		
	1.	Make-up water for cooling demand	Treated and ground water		
	2.	Domestic water demand	Ground water		
	3.	Green area demand	Ground water		
22.	Rain water utilization proposal during monsoons	Rain water recharging will be done outside of project premises by adopting a pond located in Village Kumbh. A copy of NOC obtained from Sarpanch of the Village Kumbh for carrying out rain water harvesting submitted.			

25.	a. Energy requirements & savings.	a. The energy requirement details are given below:																																								
	b. Energy saving measures to be adopted within industry:	<table border="1"> <thead> <tr> <th>Description</th> <th>Unit</th> <th>Existing</th> <th>Proposed</th> <th>After expansion</th> </tr> </thead> <tbody> <tr> <td>Power load</td> <td>KVA</td> <td>3,100</td> <td>900</td> <td>4,000</td> </tr> <tr> <td>DG set</td> <td>KVA</td> <td>1 × 125</td> <td>1 × 320</td> <td>1 × 320</td> </tr> </tbody> </table> <p>b. Energy Saving measures to be adopted:</p> <ul style="list-style-type: none"> • LEDs provided in place of CFLs. • Energy efficient Induction Furnace and other machinery will be installed. 	Description	Unit	Existing	Proposed	After expansion	Power load	KVA	3,100	900	4,000	DG set	KVA	1 × 125	1 × 320	1 × 320																									
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2. Manager (Works)																																										

3. Environment Consultant									
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Total	13.5 lakhs								

During meeting, the Committee observed that in compliance of the Terms of Reference (ToR) issued to the industry vide SEIAA letter no. 1484 dated 03.12.2018, the industry is required to submit Wildlife Conservation Plan duly authenticated by Chief Wildlife Warden of the State Govt. for conservation of Schedule-I fauna, if exists in the study area.

The industry apprised the Committee that the Schedule-I species (Peacocks) exists in the study area and the Wildlife Conservation Plan duly authenticated by the Chief Wildlife Warden will be submitted.

The Committee perused the compliance report of the public hearing proceedings submitted by the industry, wherein Mr. Karnail Singh, R/o Village Kumbh, Distt. Fatehgarh Sahib, has pointed out that there is lot of dust pollution in the vicinity of the industry. In this regard, the industry replied that installation of STP and green area of 33% shall be done immediately after grant of Environment Clearance. Further, Rs. 10 lacs have been proposed for paving of front road of 360m length. The Committee observed that the industry needs to estimate the cost for paving of 360m length of road instead of considering lumpsum cost of Rs. 10 lacs.

The Committee further observed that the CER activities proposed by the industry are not in accordance with the activities jointly finalized by SEIAA & SEAC in its 14th meeting. The Committee asked the industry to revise the same.

The Committee further observed that the industry has executed agreement with M/s Agarwal Cement Tile for lifting 186 Ton of slag per month on 10.11.2022 for 5 years. As per the said agreement, the slag generated from the industry shall be lifted and co-processed to make interlocking tiles. The Committee asked the industry to submit the details pertaining to percentage of slag being co-processed for making interlocking tiles and also indicate the capacity of the plant of M/s Agarwal Cement Tile to handle the 186 Ton slag per month. The industry agreed to provide the details.

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

1. The industry shall submit the Wildlife Conservation Plan duly authenticated by the Chief Wildlife Warden.
2. The industry shall submit the estimate for pavement of 360m of road length on front of industry.
3. The industry shall submit the revised CER activities in accordance with the following activities jointly finalized by SEIAA & SEAC in its 14th meeting:
 - 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.
4. The industry shall submit the details pertaining to percentage of slag being co-processed for making interlocking tiles and also indicate the capacity of the plant of M/s Agarwal Cement Tile to handle the slag per annum.

Deliberations during 245th meeting of SEAC held on 24.04.2023.

The meeting was attended by the following:

- (i) Mr. Ramal Kumar, Partner, M/s Hind Alloys.
- (ii) Mr. Sandeep Garg, EC-Coordinator, M/s Eco Laboratories Pvt. Ltd.
- (iii) Mrs. Jyoti Rani, EIA Coordinator, M/s Eco laboratories Pvt. Ltd.

SEAC allowed the Environmental Consultant of the project proponent to present the reply of the aforementioned observations. Thereafter, the Environmental Consultant presented the reply as under:

Sr. No.	Observations	Reply				
1.	The industry shall submit the Wildlife Conservation Plan duly authenticated by the Chief Wildlife Warden.	In the EIA report, it was mentioned that Indian Peafowl which is a Schedule I species has been seen in 10 km study area during baseline monitoring. However, the presence of Indian Peafowl has been re-verified by Ecology and Biodiversity (EB) expert and no natural habitat of Schedule I species has been found within 10 km of study area. Hence, no Schedule I species (Indian Peafowl) has been found in the 10 km study area. Thus, it was inadvertently mentioned in the EIA report as well as in the online application form submitted at Parivesh Portal. Further, we wish to update you that the project location falls within Industrial zone as per the Master Plan of Mandi Gobindgarh. The nearest Eco-Sensitive Zone of "Bir-Bhadson Wildlife Sanctuary" located at a shortest distance/crow fly distance of 12.5 km from the project. Therefore, authenticated Wildlife Conservation Plan by Chief Wildlife Warden is not submitted.				
2.	The industry shall submit the estimate for pavement of 360 m of road length on front of industry.	Approx. Rs. 8.5 lakhs have been allocated for pavement of the road located in front of industry of length 1,000 ft. (as per actual measurement).				
3.	The industry shall submit the revised CER activities in accordance with the following activities jointly finalized by SEIAA & SEAC in its 14 th meeting.	<p>Agreed. We are hereby submitting the revised CER activities of amount Rs. 13.5 lakhs (@ 1% of Rs. 13.57 Crores) as per the details given below:</p> <table border="1" data-bbox="837 1745 1414 1791"> <thead> <tr> <th data-bbox="837 1745 1166 1791">Activities</th> <th data-bbox="1166 1745 1414 1791">Amount (in Rs.)</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> </tr> </tbody> </table>	Activities	Amount (in Rs.)		
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		Issues raised during public hearing: Pavement of the road in front of the industry of length 1,000 ft.	Rs. 8,50,000
		Cleaning & desilting of pond located in Village Kumbh having area 3 acres	Rs. 5,00,000
		Total	Rs. 13,50,000
4.	The industry shall submit the details pertaining to percentage of slag being co-processed for making interlocking tiles and also indicate the capacity of the plant of M/s Agarwal Cement Tile to handle the slag per annum.	Revised agreement has been submitted mentioning the annual production of M/s Agarwal Cement Tile along with percentage of slag utilization for co-processing.	

During meeting, the Committee perused the ADS reply and observed that the industry has not submitted satisfactory reply to the observation raised at point no. 1 regarding submission of Wildlife Conservation Plan duly authenticated by the Chief Wildlife Warden. After detailed deliberations, SEAC decided to defer the case till the industry submits the Wildlife Conservation Plan duly authenticated by the Chief Wildlife Warden.

Item No. 245.07: Application for Environmental Clearance of Existing Steel Manufacturing Unit Namely M/s Devbhoomi Casting Pvt. Ltd. located at Transport Nagar, Village Kumbra, Mandi Gobindgarh, District Fatehgarh Sahib, Punjab for increasing the production capacity to 288 TPD (1,00,800 TPA) of Billets/ Ingots or Flats/Bars/Rounds (Proposal No. SIA/PB/IND1/411440/2022)

The industry is an existing unit and was granted Consent to Operate under the provisions of Water Act 1974 & Air Act 1981, for manufacturing of steel Ingots/Billets @ 84 MTD, which are valid up to 30.09.2024.

The industry was granted Terms of Reference for carrying out EIA study under the provisions of the EIA notification dated 14.09.2006 for expansion of steel manufacturing unit by manufacturing 100800 TPA (288 TPD).

The industry has applied for obtaining Environmental Clearance for carrying out expansion in the existing steel manufacturing unit having production capacity of Ingots/Billets @ 84 TPD with one Induction Furnace of capacity 7 TPH to 288 TPD (1,00,800 TPA) of Billets/ Ingots or Flats/Bars/Rounds with 2 Induction Furnaces of capacity 12 TPH each and Rolling Mill located at Transport Nagar, Village Kumbra, Mandi Gobindgarh, District Fatehgarh Sahib, Punjab. The Project is covered under Schedule 3(a) & Category 'B1' as per EIA Notification, 2006. The total cost of the project is Rs. 24.97 Crore.

The industry has submitted final EIA report along with TOR compliance and relevant documents through online portal. The requisite fees of Rs. 1,87,282 has been deposited vide UTR No. YESB23473973852 dated 13.12.2022, as checked & verified by the supporting staff of SEIAA.

Punjab Pollution Control Board vide letter no. 23071 dated 01.11.2022 sent the proceedings of the public hearing of the subject cited industry conducted on 30.08.2022, wherein the comments pertaining to the construction status, adequacy of pollution control proposal and suitability of site submitted. The relevant portion of the comments are as under:

“Suitability of site

The existing site of the industry falls in the industrial zone as per Master Plan of Mandi Gobindgarh (2010-13). The Industry has not proposed any additional land. Therefore, the site of industry is suitable for the proposed expansion project.

Adequacy of pollution control proposals

The industry has proposed expansion of the existing steel manufacturing unit by upgrading existing inducting furnace of capacity 7 TPH to 12 TPH and by installing another induction furnace of capacity 12 TPH and a Rolling Mill. 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-There will be no generation of trade effluent. The domestic effluent @ 10.8 KLD to be generated from the project and the same will be treated in STP of capacity 15 KLD. The treated water will be used in plantation / Green area.

Hazardous waste- As per the proposal submitted by the industry the hazardous waste category 35.1 @ 70 TPA and 5.1 @ 0.02 KL/ year will be generated & the same will be disposed off to authorized recycler.

The industry has not purchased any additional land for the expansion of the project and has proposed its expansion in existing premises (21085.00 sqm) only. Also, it had submitted proposal of developing green area in 7026.00 Sqm in existing premises only (i.e. 33.3 % of total area of the project i.e. 21085.00 sqm). The industry shall adopt a pond at village kumbhra, District-Fatehgarh sahib and the stream carrying waste water of the village shall be diverted in one corner and it will be divided into different parts, the overflow of each chamber shall be allowed to enter into another chamber which will ultimately leads 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.

Construction status

The industry has not started construction activity w.r.t. proposed expansion project.”

Deliberations during 236th meeting of SEAC held on 09.01.2023.

The meeting was attended by the following:

- (i) Mr. Mohit Khanna, General Manager, M/s Devbhoomi Casting Pvt Ltd.
- (ii) Mr. Sandeep Garg, EC-Coordinator, M/s Eco Laboratories Pvt. Ltd.
- (iii) Mrs. Jyoti Rani, EIA Coordinator, M/s Eco laboratories Pvt. Ltd.

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

Sr. No.	Item No.	Details
1.	Nature of Project	Environmental Clearance for existing steel manufacturing unit namely M/s Devbhoomi Casting Pvt. Ltd. for increasing

		the production capacity to 288 TPD (1,00,800 TPA) located at Transport Nagar, Village Kumbra, Mandi Gobindgarh, District Fatehgarh Sahib, Punjab.			
2.	Category/Activity	Schedule: 3(a): Metallurgical Industries (ferrous & non-ferrous) Category: B-1			
3.	Whether the project falls in critical polluted area notified by MoEF&CC/ CPCB.	No, the project is not located in critically polluted area as notified by MoEF&CC/ CPCB.			
4.	Details of technology proposed for control of emissions & effluents generated from project	S. No.	Details of proposed APCD/ STP	Technology	Capacity
		1.	APCD	Side Suction Hood followed by Jet Bag Filter	60,000 CHM each
		2.	STP (Already installed)	Based on MBBR technology	25 KLD
5.	Plot Area Details	Area breakup of the project is given below:			
		S. No.	Details	Area (sq. m.)	Percentage (%)
		1.	Existing Shed area	5,354.30	25.39
		2.	Proposed Shed area	1,744.20	8.27
		3.	Parking area	2,384	11.3
		4.	Green Area	7,026	33.32
		5.	Roads and open areas	4,212.80	20
		6.	Utility areas	363.70	1.72
Total Land area		21,085 sq. m (5.20 acres)	100		
*Permission for Change of Land Use for the total land area measuring 5.396 acres from Agricultural to Industrial use has been accorded to the industry vide memo no. 1378-STP(S)33-11(FI) dated 15.06.2018 submitted.					

6.	Type of project land as per master plan	Project falls within Industrial Zone as per Master Plan of Mandi Gobindgarh. Master Plan marked project location has been submitted.			
7.	Details of Forest land involved in the project land?	A copy of NOC issued by DFO vide letter No. 7704 dated 03.11.2022 submitted, wherein it has been mentioned as under: “ਉਪਰੋਕਤ ਵਿਸ਼ੇ ਦੇ ਸੰਬੰਧੀ ਵਣ ਰੇਜ ਅਫਸਰ ਸਰਹਿੰਦ ਵੱਲੋਂ ਆਪਣੇ ਪੱਤਰ ਨੰ 286 ਮਿਤੀ 13.10.2022 ਨਾਲ ਇਸ ਦਫਤਰ ਨੂੰ ਰਿਪੋਰਟ ਕੀਤੀ ਹੈ ਕਿ ਯੂਜਰ ਇਜੰਸੀ ਦੀ ਸਾਇਟ ਨੈਸ਼ਨਲ ਹਾਈਵੇਅ-44 KM 260 ਤੋਂ 262 ਤੋਂ ਪਾਸਾ ਖੱਬਾ ਤੇ ਮੰਡੀ ਗੋਬਿੰਦਰ ਫੋਕਲ ਪੁਆਇੰਟ ਲਿੰਕ ਸੜਕ ਤੋਂ ਪਿੰਡ ਕੁੰਭੜਾ ਨੂੰ ਜਾਦੀ ਲਿੰਕ ਸੜਕ ਪਾਸਾ ਖੱਬਾ ਤੇ ਸਥਿਤ ਹੈ। ਇਹ ਲਿੰਕ ਰੋਡ ਵਣ ਵਿਭਾਗ ਦੇ ਅਧਿਕਾਰ ਖੇਤਰ ਤੋਂ ਬਾਹਰ ਹੈ।”			
8.	Whether site is located in the notified ESZ?	No eco-sensitive zone existing within 10 Km radius of the project. The Bir Bhadson wildlife sanctuary is located at a distance of 13 Km from the industry.			
9.	ToR Compliance Report	Submitted			
10.	Compliance Report of Public Hearing Proceedings (Action Taken)				
	S. No.	Name & address of the person	Detail of query/ statement/ information/ clarification sought by the person present	Reply of the query/ statement/ information/ clarification given by the project proponent	Action plan
	1.	Sh. Gulzar Singh, Village Kumbhra, District Fatehgarh Sahib,	How the public will be benefited from the expansion of the industry?	The environmental consultant replied that 150 more workers will be given employment after the expansion of the industry. After the expansion, more trucks and drivers will be required for the transportation work. Gardeners will also be needed to take care of the plants in the factory. Along	Employment will be given to 150 workers after grant of Environmental Clearance. Preference will be given to nearby villagers as per their skills. Further, Rs. 25 lakhs will be spent

			with this, after the expansion of the factory, 15 lakh rupees will be spent under the CER activities, in which the pond of village Kumbhra will be cleaned with nano bubble technology. The environmental consultant said that a park will also be built for children to play. The industry assured that the residents of nearby villages will get employment on priority basis.	for pond rejuvenation of Village Kumbra after grant of Environment Clearance.
2.	Mr. Sukhwinder Singh Sarpanch, Village Kumbhara, District Fatehgarh Sahib.	He said that he wants to know the name of the officer, who has given NOC to this industry. As this industry operates at night, which causes a lot of noise pollution and problem will increase with the expansion of the industry. Further, no industry has given any benefits to their village under CER funds.	The environmental consultant replied that the industrial premises falls under the industrial zone as per Master Plan, Mandi Gobindgarh. They said that they are working in compliance to the Noise Pollution Rules but still it has been assured that the industry will take care for providing mitigation measures for reduction in noise level. He said that CER funds of Rs 15 lakh will be spent only after the expansion of the factory.	It is ensured that the industry will not be operational during night time. Noise monitoring has been carried out within project premises at 5 locations & 3 locations outside of project premises within 1 km radius & results are found within norms as prescribed for Industrial zone. Also green area of 33% has been proposed within project to mitigate noise & air pollution. Further, amount of Rs. 25 lakhs will be spent on pond rejuvenation after grant of

					Environmental Clearance.	
		He said that the drinking water of the village has also become poisonous and the factories are polluting the environment at night, due to which they have to face a lot of trouble.	Mr. Deepak Goyal, Managing Director of the industry told the village Sarpanch that there is no generation of industrial waste water from their industry. Rather, they have installed STP for treatment of domestic wastewater and further utilize treated wastewater on land for plantation. He said that they have voluntarily installed solar panels on the entire shed of the industry. He also assured that he will not do any work that will cause any kind of problem to the villagers. He also invited the Sarpanch of the village to visit the industry and said that he may come to him any time for discussion regarding village pond and betterment of village and villagers.		No industrial wastewater is generated from the industry. Only domestic waste is generated, which is being treated in already installed STP of 25 KLD. Monitoring of groundwater will be done on half yearly basis to check the water quality after grant of Environmental Clearance. Also, no loading & unloading will be carried out during night time.	
11.	Whether any litigation pending against the project or any direction/ order passed by SPCB/ Court of Law against the project, if so, details thereof shall also be included.		No litigation is pending against the project. Undertaking in this regard has been submitted.			
12.	Details of the raw materials given below:					
	S. No.	Status	Raw Materials	Quantity	Source	Mode of transport

	1.	Existing	Scrap & Ferro Alloys	89 TPD (31,150 TPA)	Mostly from Local suppliers of Mandi Gobindgarh/ Ludhiana	By road through trucks (No. of trucks required: approx. 5 trucks per day)
	2.	Total after Expansion		302 TPD (1,05,700 TPA)		By road through trucks (No. of trucks required: approx. 16 trucks per day)
13.	Details of the products given below:					
	S. No.	Existing	Total after expansion			
	1.	84 TPD (29,400 TPA) of Ingots/ Billets	288 TPD (1,00,800 TPA) of Billets/Ingots or Flats/ Bars/ Rounds			
14.	Details of major machinery given below:					
	S. No.	Equipment's/ Machinery	Existing	Proposed	Total after expansion	
	1.	Induction Furnace	1 × 7 TPH	Upgradation of existing IF & Addition of new IF	2 × 12 TPH	
	2.	Rolling Mill	-	1	1	
15.	Details of emissions:					
	S. No.	Source	Status	Capacity	Chimney Height	APCD
	1.	Induction Furnaces	Existing	1 × 7 TPH	25 m	Side Suction Hood followed by Pulse Jet Bag Filter of capacity 36,000 CMH
			After Expansion	2 × 12 TPH	30 m each	Side Suction Hood followed by Pulse Jet Bag Filter of capacity 60,000 CMH
	2.	DG Sets	Existing	1 × 125 KVA	3 m	Canopy
			After Expansion	1 × 125 KVA & 1 × 750 KVA	3 m & 5 m	Canopy
	*Whether separate APCD is to be installed with each induction furnace or not.					
16.	Hazardous/Non-Hazardous Waste Generation details & their storage, utilization and its disposal. Copy of agreement clearly mentioning the Quantity					

Hazardous Waste:				
S. No.	Waste category	Existing	Total after expansion	Disposal
1.	Category 35.1 APCD dust	70 TPA (0.2 TPD)	0.75 TPD	APCD dust given to M/s Madhav KRG Ltd. A copy of agreement executed with M/s Madhav Alloys Ltd on 11.12.2019 for recycling category 35.1 APCD dust submitted.
2.	Category 5.1 Used oil	0.02 KLA	0.7 KLA	Used oil given to M/s BRS Lubricants. A copy of agreement executed with M/s BRS Lubricant on 04.01.2020 for lifting and treating category 5.1 Hazardous waste submitted.
17.	Non-Hazardous Waste:			
S. No.	Waste	Existing	Total after expansion	Disposal
1.	Slag	2.5 TPD	9 TPD	20% reused for metal recovery & remaining 80% will be given to M/s Deep Enterprises for co-processing. A copy of agreement executed with M/s Deep Enterprises on 01.04.2022 for Co-processing of Slag submitted
18.	Wastewater generation & its disposal Arrangement in Operation phase:			
S.No.	Description	Existing	Total after expansion	Mitigation Measures/ Remarks
1.	Domestic wastewater	4	10.8	Treated in already installed STP

			KLD	KLD	of capacity 25 KLD	
	2.	Industrial effluent	-	-	-	
19.	Breakup of Water Requirement & its source in Operation phase:					
		Details	Existing Water Demand (KLD)	Proposed Water Demand (KLD)	Total Water Demand After Expansion (KLD)	
		Makeup water demand for cooling purpose	13.5	13.5	27	
		Domestic water demand	5.5	8	13.5	
		Green area (7026 sqm) water demand	-	<ul style="list-style-type: none"> • 38.5 • 12.5 • 3.5 	<ul style="list-style-type: none"> • 38.5 • 12.5 • 3.5 	
	Source of water:					
	S. No.	Purposes	Source of water			
	1.	Make-up water for cooling demand	Treated and ground water			
	2.	Domestic water demand	Ground water			
	3.	Green area demand	Treated and ground water			
20.	Rain water utilization proposal	Rainwater recharging will be done outside of project premises by adopting pond. Therefore, pond located in Village Kumbra will be adopted for rain water recharging. A copy of NOC obtained for pond adoption from Village Sarpanch of village Kumbhra submitted. Further, as rainwater harvesting, runoff shall be collected from proposed sheds and reused for sprinkling/cleaning/horticulture purpose etc. within project premises.				
21.	Block wise details of no. of trees to be planted in proposed greenbelt area (1500	Blockwise green area and no. of trees planted are given below:				
		S. No.	Area	Green area	No. of trees	

	trees to be planted @ 1000 sq.m area):		Identification	(in sq.m)	
		1.	A	4,700	705
		2.	B	2,226	334
		3.	C	100	7
		Total		7,026 sq.m.	1,054 trees
22.	c. Energy requirements & savings.	c. The energy requirement details are given below:			
		Descripti on	Uni t	Existin g	Proposed
		Power load	KVA	4,000	12,000
		DG set	KVA	1 × 125	1 × 750
					1 × 125 & 1 × 750
	d. Energy saving measures to be adopted within industry:	d. <u>Energy Saving measures to be adopted:</u>			
		<ul style="list-style-type: none"> • LEDs provided in place of CFLs. • Energy efficient Induction Furnace and other machinery will be installed. 			
23.	EMP Budget details:				
	S. No.	Environmental Protection Measures	Capital Cost (Rs. in lakhs)	Recurring Cost (Rs. in lakhs/year)	
	1.	Air Pollution Control (Installation of APCD along with continuous emission monitoring system)	100	2.5	
	2.	Water Pollution Control (operation of STP of capacity 25 KLD)	-	2	
	3.	Noise Pollution Control (provision of acoustic enclosure of DG set)	4	1.5	
	4.	Landscaping (development of green area)	10.5	10.5 (for 3 years)	

5.	Solid Waste 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 & PPE kit for workers)	3	1
8.	Miscellaneous	2	0.5
Total		Rs. 125.5 Lakhs	Rs. 23.5 Lakhs
A duly constituted EMC comprises the following:			
1. Directors			
2. Manager (Works)			
3. Environment Consultant			
24.	CER activities:		
Activities		Total Expenditure (in lakhs)	
REJUVENATION OF POND		Rs. 25 lakhs	
Adoption of Kumbra village pond for rainwater harvesting and maintenance of pond 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 & development of park			

During meeting, the Committee observed that in compliance to the Terms of Reference issued to the industry vide SEIAA letter no. 4781 dated 01.10.2021, the industry is required to submit Wildlife Conservation Plan duly authenticated by Chief Wildlife Warden of the State Govt. for Conservation of Schedule-I species, if exists in the study area. The industry apprised the Committee that the Schedule-I species (Indian Peafowl) falls in the study area. The Committee asked the industry to submit the Wild Life Conservation Plan duly authenticated by Chief Wildlife Warden. The industry agreed to the same.

After detailed deliberations, the Committee decided to defer the case till the submission of Wildlife Conservation Plan duly authenticated by the Chief Wildlife Warden by the industry.

Deliberations during 240th meeting of SEAC held on 20.02.2023.

The meeting was attended by the following:

- (i) Mr. Mohit Khanna, General Manager, M/s Devbhoomi Casting Pvt Ltd.
- (ii) Mr. Sandeep Garg, EC-Coordinator, M/s Eco Laboratories Pvt. Ltd.
- (iii) Mrs. Jyoti Rani, EIA Coordinator, M/s Eco laboratories Pvt. Ltd.

The Project Proponent vide letter dated 17.02.2023 clarified that the presence of Indian Peafowl has been reverified by the Ecology and Biodiversity Expert and no natural habitat of Schedule-I Species has been found within 10Km of study area. Hence, no Schedule-I Species (Indian Peafowl) has been found in the 10Km study area. Thus, it was inadvertently mentioned in the EIA report as well as in the online application form submitted at Parivesh Portal.

The Committee asked the Project Proponent to authenticate the statement with documentary evidence. The Project Proponent sought time for the same and requested the Committee to defer the case. The Committee after considering the request of the Project Proponent decided to defer the case.

Deliberations during 245th meeting of SEAC held on 24.04.2023.

The meeting was attended by the following:

- (i) Mr. Mohit Khanna, General Manager, M/s Devbhoomi Casting Pvt Ltd.
- (ii) Mr. Sandeep Garg, EC-Coordinator, M/s Eco Laboratories Pvt. Ltd.
- (iii) Mrs. Jyoti Rani, EIA Coordinator, M/s Eco laboratories Pvt. Ltd.

The Committee perused the ADS reply and observed that the industry has not submitted satisfactory reply to the observation raised earlier and after detailed deliberations, SEAC decided to defer the case till the industry submits the Wildlife Conservation Plan duly authenticated by the Chief Wildlife Warden.

Item No.245.08: Application for Environmental Clearance for expansion of Group Housing project namely “Homeland Heights” located at Site No. 5, Sector 70, SAS Nagar (Mohali), Punjab by M/s Homeland Buildwell Pvt. Ltd. (Proposal No. SIA/PB/MIS/259508/2022)

The Project Proponent was granted Environment Clearance vide letter No. SEIAA/MS/2021/4824 dated 18.10.2021 for expansion of the group housing project namely “Homeland Heights” located at Site No. 5, Sector 70, SAS Nagar, Punjab. The total land area of the project is 18,623.325 sqm having built up area of 85,111.5 sqm. The Project Proponent has proposed to construct 303 DUs and 18 shops along with 1 club house and restaurant.

Further, the Project Proponent was granted amendment in Environment Clearance vide letter no. SEIAA/MS/2021/4883 dated 25.11.2021 for group housing project namely “Homeland Heights” located at Site No. 5, Sector 70, SAS Nagar, Punjab.

The project proponent has applied for Expansion in Environmental Clearance of Group Housing project namely “Homeland Heights” located at Site No. 5, Sector 70, SAS Nagar (Mohali), Punjab. The built-up area of project increased from 85,111.5 sqm to 85,360.117 sqm. The project is covered under category 8(a) of the scheduled appended with EIA notification dated 14.09.2006.

The Project Proponent has constructed 298 DUs and 18 Shops out of 303 DUs and 18 Shops. The Project Proponent has proposed to expand the commercial part of the project in such away that the total number of shops increased from 18 to 26.

The Project Proponent has submitted certified compliance report vide letter no. 7580 dated 19.12.2022 issued by Punjab Pollution Control Board. The Project Proponent has also submitted name of the company has been changed from Homeland Buildwell Pvt Ltd to H L Buildwell Pvt. Ltd. A copy of the certified compliance report and certificate of incorporation of company name change is submitted. The Project Proponent has deposited Rs. 500/- vide UTR No. 205083250689 dated 19.02.2022 as checked & verified by the supporting staff of SEIAA.

Deliberations during 236th meeting of SEAC held on 09.01.2023.

The meeting was attended by the following:

- (i) Mr. Narinder Vaid, Advocate, authorized on behalf of Resolution Professional with respect to M/s H L Buildwell Private Limited.
- (ii) Mr. Sandeep Garg, EC-Coordinator, M/s Eco Laboratories Pvt. Ltd.
- (iii) Mrs. Jyoti Rani, EIA Coordinator, M/s Eco laboratories Pvt. Ltd.

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

S. No.	Description	EC accorded	Proposed	Total after Expansion
1.	Plot Area	18,623.325 sq.m.(or 4.6019 acres)		
2.	Built-up Area	85,111.5 sq.m.	248.617 sq.m.	85,360.117 sq.m.
3.	Dwelling Units	303	-5	298
4.	Shops	18	8	26
5.	Estimated Population	1,400 persons	-7 persons	1,393 persons
6.	Total Fresh water demand	124 KLD	-2 KLD	122 KLD
7.	STP capacity	Already installed STP of 200 KLD		
8.	Solid waste generated	553 kg/day	-6 kg/day	547 kg/day
9.	Parking Provision	688 ECS		
10.	Rain water recharging pits	5 pits		
11.	Power load	3,861 KVA	37	3898 KVA
12.	DG sets	Already provided 2 DG sets of capacity 500 KVA each		

Details of activities under Environment Management Plan is mentioned below:

Description	Recurring Cost (Rs. in Lakhs/annum)
Waste water Management (STP of 200 KLD capacity)	3
Air, Noise Pollution Management & Landscaping	0.50
Rainwater Recharging (maintenance of 5 pits)	0.50
Environmental Monitoring	0.25
Solid Waste Management (including mechanical composter of size 300 kg)	2.50
Energy Conservation Measures (LED & solar panel system)	0.25
TOTAL	Rs. 7.00 Lakhs

Rs. 40 Lakhs has been reserved under CER activities as given below:

Sr. No.	Activities	Amount (Rs. in Lakhs)	Tentative time completion of the activities
1	Rain water harvesting shall be carried out by adopting a village pond located at village Khizrabad Hatli Patti SAS Nagar (Mohali). For this the stream carrying the waste water of the village shall be diverted in one corner of Phytoid Plants Trench (designed based on the technology developed by the CSIR-NEERI's) divided into different parts, the overflow of each chamber which will ultimately lead to the purification of the water collected into the pond to avoid any contaminated of ground water aquifer.	20	31.05.2022
2	Solar panel of 10 KW system shall be installed in the govt. primary school Building situated at village Khizrabad Hatli Patti SAS Nagar (Mohali)	10	31.05.2022
3	Bio Toilets in the Govt. Primary School Building situated at village Khizrabad Hatli Patti SAS Nagar (Mohali)	5	31.05.2022
4	Repair cleaning and whitewash of the Govt. Primary School Building situated at village Khizrabad Hatli Patti SAS Nagar (Mohali)	5	31.05.2022
Total		40	

During meeting, the Project Proponent apprised the Committee as under:

- (i) The name of the promoter company has been changed from M/s Homeland Buildwell Pvt Ltd to M/s H L Buildwell Pvt Ltd with effect from 24.03.2021. A copy of the certificate in this regard has been submitted.
- (ii) As per order of the Hon'ble Adjudicating Authority, Corporate Insolvency Resolution Process ("CIRP") has been initiated in respect of the M/s H L BUILDWELL PRIVATE LIMITED ("the Company/ Corporate Debtor") under the provisions of the Insolvency and Bankruptcy Code, 2016 ("IBC Code, 2016") with effect from 15th February, 2022 and Mr. Deepak Garg had been appointed as Interim Resolution Profession. Further, as per order dated 01-04-2022 of Hon'ble NCLT, Mr. Vinay Kumar Singhal, (IP Registration No.: IBBI/IPA-002/IP-N00624/2018-2019/11880) have been appointed as the Resolution Professional with respect to the company in place of Mr. Deepak Kumar Garg.

(iii) Furthermore, the Resolution Professional with the permission of the Committee of Creditors (COC) has invited the Resolution Plans, the prospective Resolution applicants have submitted the plans. The COC has approved the resolution plan and the RP has filed an application before the Honorable Adjudicating Authority. The next date of hearing is fixed for 10.01.2023.

The Committee further perused the proceedings of the 229th meeting of SEIAA held on 03.01.2023 and it was observed that Sh. Vinay Kumar Singhal, IRP vide request letter dated 02.05.2022 sought extension in Environment Clearance for complying with the following 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.

The aforementioned matter was considered in the 206th, 225th and lastly in 229th meetings of SEIAA held on 3.01.2023 wherein, it was decided to accept the request of Sh. Vinay Kumar Singhal, IRP for grant extension in validity of EC subject to 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.

The Committee further perused the certified compliance report of Punjab Pollution Control Board submitted vide letter no. 7580 dated 19.12.2022 for complying the conditions of earlier Environment Clearance granted to the promoter company. The Committee observed that most of the conditions could not be verified by PPCB during their visit to the project.

The Committee decided that Sh. Parminder Singh Bhogal, Member SEAC shall visit the project site to check the compliance of EC conditions.

After detailed deliberations, SEAC decided to defer the case till the Project Proponent submits the self-certified compliance report for complying with the conditions of Environment Clearance earlier granted to it and the Member SEAC check the compliance status of the Environment Clearance.

As decided in the 236th meeting of SEAC held on 9.01.2023, Sh. Parminder Singh Bhogal, Member SEAC visited the project of "Homeland Heights" Sector – 70, Mohali and submitted the inspection report of the site visit conducted by him on 17.03.2023 which is reproduced as under:

- (i) Project stand completed and all flats are occupied by inhabitants. PPCB was renewed its consent to operate vide letter dated 9.05.2022, valid till 31.03.2023.
- (ii) PPCB observation regarding non-working of composter, it was seen in operation at site on the day of visit.
- (iii) PPCB observation regarding non installation of Ambient Air Quality Monitoring System, this has not been installed at site.
- (iv) STP was seen in operation and working found satisfactory. Record of effluent is being maintained as per available record at site. Treated water is being used for gardening etc. Dual plumbing seen at site.
- (v) Main conditions of EC was seen at site and found in compliance to a satisfactory extent.

Deliberations during 245th meeting of SEAC held on 24.04.2023.

The meeting was attended by the following:

- (i) Mr. Narinder Vaid, Advocate, authorized on behalf of Resolution Professional with respect to M/s H L Buildwell Private Limited.
- (ii) Mr. Sandeep Garg, EC-Coordinator, M/s Eco Laboratories Pvt. Ltd.

(iii) Mrs. Jyoti Rani, EIA Coordinator, M/s Eco laboratories Pvt. Ltd.

SEAC allowed the Environmental Consultant of the project proponent to present the reply of the aforementioned observations as under:

S. No.	ADS Queries	Reply
1.	Project Proponent submits the self-certified compliance report for complying with the conditions of Environment Clearance earlier granted to it.	Self-certified compliance report for conditions mentioned in earlier granted Environmental Clearance is submitted.

During meeting, the Project Proponent apprised the Committee that the Bank Guarantee amounting to Rs. 40 lac submitted with Punjab Pollution Control Board is valid up till 31 January 2024. A copy of the said Bank Guarantee already submitted with Punjab Pollution Control Board was taken on record by the Committee.

After detailed deliberations, the Committee decided to award **silver grading** to the project and to forward the application to SEIAA with the recommendation to grant Environmental Clearance for expansion of Group Housing project namely "Homeland Heights" located at Site No. 5, Sector 70, SAS Nagar (Mohali), Punjab, subject to the following conditions: -

I. Statutory compliances:

- i) The project proponent shall obtain all necessary clearances/ permissions from all relevant agencies including the town planning authority before commencement of work. All the construction shall be done in accordance with the local building bye laws.
- ii) The approval of the Competent Authority shall be obtained for the structural safety of buildings due to earthquakes, adequacy of firefighting equipment, etc. as per the National Building Code including protection measures from lightning, etc.
- iii) The project proponent shall obtain forest clearance under the provisions of the Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purposes is involved in the project.
- iv) The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
- v) The project proponent shall obtain Consent to Establish / Operate under the provisions of the Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the Punjab Pollution Control Board.

- vi) The project proponent shall obtain the necessary permission for the abstraction of groundwater/ surface water required for the project from the competent authority.
- vii) A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained.
- viii) All other statutory clearances such as the approvals for storage of diesel from the Chief Controller of Explosives, Fire Department, and Civil Aviation Department shall be obtained, as applicable, by project proponents from the respective competent authorities.
- ix) The provisions of the Solid Waste (Management) Rules, 2016, E-Waste (Management) Rules, 2016, Construction & Demolition Waste Rules, 2016, and the Plastics Waste (Management) Rules, 2016 shall be followed.
- x) The project proponent shall follow the ECBC/ECBC-R prescribed by Bureau of Energy Efficiency, Ministry of Power strictly.
- xi) The project site shall conform to the suitability as prescribed under the provisions laid down under the master plan of the respective city/ town. For that, the project proponent shall submit the NOC/ land use conformity certificate from Deptt. of Town and Country Planning or other concerned Authority under whose jurisdiction, the site falls.
- xii) Besides the above, the project proponent shall also comply with siting criteria/guidelines, standard operating practices, code of practice, and guidelines if any prescribed by the SPCB/CPCB/MoEF&CC for such types of projects.
- xiii) The project proponent shall construct the buildings as per the layout plan approved from the Competent Authority and in consonance of the project proposal for which this environment clearance is being granted.

II. Air quality monitoring and preservation

- i) Notification GSR 94(E) dated 25.01.2018 of MoEF&CC regarding Mandatory Implementation of Dust Mitigation Measures for Construction and Demolition Activities for projects requiring Environmental Clearance shall be complied with.
- ii) A management plan shall be drawn up and implemented to contain the current exceedance in the ambient air quality at the site.
- iii) The project proponent shall install a system to undertake Ambient Air Quality monitoring for common /criterion parameters relevant to the main pollutants released (e.g., PM10 and PM2.5) covering upwind and downwind directions during the construction period.
- iv) Diesel power generating sets proposed as a source of backup power should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all

proposed DG sets. Use of low sulphur diesel would be the preferred option. The location of the DG sets may be decided in consultation with Punjab Pollution Control Board.

- v) Construction site shall be adequately barricaded before the construction begins. Dust, smoke and other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, and continuous dust/ wind-breaking walls all around the site (at least 3 m height or 1/3rd of the building height and maximum up to 10 m). Plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, 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 fresh water requirement for the project shall be 122 KLD, which shall be met through GMADA. Total freshwater use shall not exceed the proposed requirement as provided in the application proposal and other relevant details as under:
 - b) Storage tank of adequate capacity shall be provided for the storage of treated wastewater and all efforts shall be made to supply the same for construction purposes.
 - c) During the construction phase, the project proponent shall ensure that the wastewater generated from the labour quarters/toilets shall be treated and disposed of in an environment-friendly manner. The project proponent shall also exercise the option of modular bio-toilets or will provide proper and adequately designed septic tanks for the treatment of such wastewater and treated effluents shall be utilized for green area/plantation.
- v) The project proponent shall ensure a safe drinking water supply to the habitants. Adequate treatment facility for drinking water shall be provided, if required.
- vi) The quantity of freshwater usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC and SEIAA along with six-monthly monitoring reports.
- vii) A certificate shall be obtained from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed, the quantity of water allotted to the project under consideration, and the balance of water

available. This should be specified separately for groundwater and surface water sources, ensuring that there is no impact on other users.

- viii) At least 20% of the open spaces as required by the local building bye-laws shall be pervious. Use of Grass pavers, paver blocks with at least 50% opening, landscape, etc. would be considered as pervious surface.
- ix) Dual pipe plumbing shall be installed for supplying fresh water for drinking, cooking and bathing, etc. and other for supply of recycled water for flushing, landscape irrigation, car washing, thermal cooling, air conditioning etc.
- x) Installation of R.O. plants in the project will be discouraged in order to reduce water wastage in form of RO reject. However, in case the requirement of installing RO plant is unavoidable, the rejected stream from the RO shall be separated and shall be utilized by storing the same within the particular component or in a common place in the project premises.
- xi) The project proponent shall also adopt the new/innovative technologies like low water discharging taps (faucet with aerators) /urinals with electronic sensor system /waterless urinals/twin flush cisterns/ sensor-based alarm system for overhead water storage tanks and make them a part of the environmental management plans/building plans so as to reduce the water consumption/groundwater abstraction.
- xii) The project proponent will provide plumbing system for reuse of treated wastewater for flushing/other purposes etc. and will colour code the different pipelines carrying water/wastewater from different sources / treated wastewater as follows:

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

f)	Treated wastewater (for reuse for flushing purposes or any other activity except plantation) from the STP treating greywater	Green with strips
g)	Stormwater	Orange

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

statutory norms notified by the Ministry of Environment, Forest, and Climate Change. Natural treatment systems shall be promoted.

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

IV. Noise monitoring and prevention

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

V. Energy Conservation measures

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

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

VI. Waste Management

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

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

VII. Green Cover

- i) No naturally growing tree should be felled/transplanted unless exigencies demand. Where absolutely necessary, tree felling shall be with prior permission from the concerned regulatory authority. Old trees should be retained based on girth and age regulations as may be prescribed by the Forest Department.
- ii) At least a single line plantation all around the boundary of the project as proposed shall be provided. The open spaces inside the plot should be suitably landscaped and covered with vegetation of indigenous species/variety. The project proponent shall ensure the planting of 233 trees in the project area at the identified location, as the per proposal submitted, with plants of native species preferably having broad leaves. The size of the plant thus planted should not be less than 6 ft and each plant shall be protected with a fence and properly maintained. The project proponent shall make adequate provisions of funds to ensure maintenance of the plants for a further period of three years and thereafter, protected throughout the entire lifetime of the Project. The species with heavy foliage, broad leaves, and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping. The plantation should be undertaken as per SEIAA guidelines.
- iii) The Project Proponent shall develop a green belt with native tree species (having canopy type structure and especially trees, and not grass) before the completion of the project. The greenbelt shall inter alia cover the entire periphery of the unit provided that the number of trees to be planted should not be less than one tree per 80 sqm of the total land area. The canopy trees shall also be planted around the parking area to provide shade to the parked vehicles.
- iv) Where the trees need to be cut with prior permission from the concerned local Authority, a compensatory plantation in the ratio of 1: 10 (i.e. planting of 10 saplings of the same species for every tree that is cut) shall be done and the newly planted saplings will be

maintained for at least 5 years. Green belt development shall be undertaken as per the details provided in the project document.

- v) Topsoil should be stripped to a depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stockpiled appropriately in designated areas and reapplied during the plantation of the proposed vegetation on site.
- vi) The project proponent shall not use any chemical fertilizer /pesticides /insecticides and shall use only Herbal pesticides/insecticides and organic manure in the green area.
- vii) The green belt along the periphery of the plot shall achieve an attenuation factor conforming to the day and night noise standards prescribed for commercial land use.
- viii) The project proponent shall submit the progress of developing the green belt in the six-monthly compliance report.

VIII. Transport

- i) A comprehensive mobility plan, as per MoUD best practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public, and private networks. Road should be designed with due consideration for environment, and safety of users. The road system can be designed with these basic criteria.
 - a) Hierarchy of roads with proper segregation of vehicular and pedestrian traffic.
 - b) Traffic calming measures.
 - c) Proper design of entry and exit points.
 - d) Parking norms as per local regulations.
- ii) Vehicles hired for bringing construction material to the site should be in good condition and should have a valid pollution check certificate, conform to applicable air and noise emission standards, and should be operated only during non-peak hours.
- iii) A detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 05 km radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on the cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies within this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D./ competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.

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

IX. Human health issues

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

X. Environment Management Plan

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

XI. Validity

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

XII. Miscellaneous

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

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

XIII. Additional Conditions

- i) The approval is based on the conceptual plan/drawings submitted with the application. In case, there is variation in built-up area/green area/ any other details in the drawings approved by the competent authority, the Project Proponent shall obtain the revised Environmental Clearance.
- ii) The Project Proponent shall ensure that the natural drainage channels in the project site including streams, drains, choes, creeks, rivulets, etc. are not disturbed so that the natural flow of rainwater, etc is not impeded or disrupted in any manner.
- iii) Authorization from Punjab Pollution Control Board shall be obtained as applicable under the Bio-Medical Waste Management Rules 2016 as amended from time to time.
- iv) The solid waste other than Bio-Medical Waste & Hazardous Waste (dry as well as wet garbage) generated should be properly collected and segregated before disposal to Municipal Authorities in accordance with the Municipal Solid Waste (Management & Handling) Rules, 2000. No municipal waste should be disposed off outside the premises in contravention of relevant rules and by-laws. Adequate measures should be taken to prevent any malodour in and around the Project premises.

- v) In the event that the project proponent decides to abandon/close the Project at any stage, he shall submit an application in the prescribed form along with requisite documents through Parivesh to SEIAA for surrendering the Environmental Clearance as per the procedure prescribed in OM dated 29.03.2022 issued by the MoEF&CC. The project proponent shall be accountable for adherence/compliance of the EC conditions till such time as the project is finally closed by SEIAA, based upon the certified closure report of Integrated Regional Offices (IROs) of MoEF&CC, Chandigarh/PPCB.
- vi) This Environmental Clearance is liable to be revoked without any further notice to the Project Proponent in case of failure to comply with condition (v) above.
- vii) Concealing factual data or submission of false/fabricated data may result in revocation of this Environmental Clearance and attract action under the provisions of Environment (Protection) Act, 1986.
- viii) The Project Proponent shall manage the solid waste generated from the project as per the sub-rule-7 of rule-4 of SWM Rules 2016.
- ix) The Ministry reserves the right to stipulate additional conditions if found necessary. The Promoter Company in a time bound manner shall implement these conditions.
- x) The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and other wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India/High Courts and any other Court of Law relating to the subject matter.
- xi) Any appeal against this Environmental Clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

Item No. 245.09: Application for obtaining Environmental Clearance for residential project “Super Mega Mixed Use Integrated Industrial Project Phase-1” located at Village Nagla, Tehsil Derabassi, District SAS Nagar, Punjab by M/s Shipra Estate Pvt Ltd (SIA/PB/MIS/66122/2021)

The Project Proponent was granted Environmental Clearance under EIA notification dated 14.09.2006 for developing Super Mega Mixed Use Integrated Industrial Project Phase-1” at Village Nagla, Tehsil Derabassi, District SAS Nagar, Punjab vide SEIAA letter No. 2129 dated 21.06.2011. The total land area of the project is 44.5 Ha. and the built-up area of the project is 568150.02 sqm. The project is covered under category 8 (b) of the schedule appended with the EIA notification dated 14.09.2006.

The Project Proponent was granted extension in validity of Environmental Clearance to 7 years or till the completion of the project, whichever is earlier under EIA notification dated 14.09.2006 vide SEIAA letter no. 3127 dated 22.08.2016.

The Project Proponent was granted Terms of Reference vide MoEF&CC letter no. IA3-21/3/2021-IA.III dated 23.01.2021 for the development of Super Mega Mixed Use Integrated Industrial Project Phase-1.

The Project Proponent has submitted afresh application along with the EIA report incorporated with compliance of ToRs for obtaining Environmental Clearance under EIA notification dated 14.09.2006 for the development of Super Mega Mixed Use Integrated Industrial Project Phase-1. As per the proposal, the total built up area of the project has been increased from 568150.02 sqm to 6,76,673.38 sqm. The requisite fee of the Rs. 6,76,674/- (Rs. 1,99,568/- paid vide UTR No. VIJBH19317077895 dated 13.11.2019 & Rs. 4,77,106/- vide UTR No. HDFCR52021110875932063 dated 08.11.2021. The adequacy of the fee deposited has been checked & verified by the supporting staff of SEIAA.

Punjab Pollution Control Board vide e-mail dated 02.01.2023 requested to furnish the latest construction status report but the same is awaited.

Deliberations during 240th meeting of SEAC held on 20.02.2023.

The meeting was attended by the following:

- (i) Mr. Bhupinder Singh, Authorized Signatory M/s Shipra Estate Pvt Ltd
- (ii) Mr. Sandeep Garg, EIA Coordinator, M/s Eco laboratories Pvt. Ltd.
- (iii) Mrs. Jyoti Rani, EC Coordinator, M/s Eco laboratories Pvt Ltd.

SEAC allowed the Environmental Consultant of the Project Proponent to present the salient features of the project in its 245th meeting of SEAC held on 24.04.2023. He, thereafter, presented the case as under:

Sr. No.	Description	Details				
1	Basic Details					
1.1	Name of Project & Project Proponent:	The Super Mega Mixed Use Integrated Industrial Park Project Phase-I by M/s. Shipra Estates Limited.				
1.2	Proposal:	SIA/PB/MIS/66122/2021 (Applied on 17.11.2021 through Parivesh Portal)				
1.3	Location of Project:	Village Nagla, Tehsil Derabassi, District SAS Nagar (Mohali), Punjab.				
1.4	<p>Details of Land area & Built up area:</p> <p>(a) Plot area: 110.12 acres</p> <p>(b) Net planned area: 98.63 acres</p> <p>(c) Built up area: 6,76,673.38 sq.m.</p> <p>Further, as per the conceptual plan, the residential pockets, industrial pockets, commercial pockets and institutional pockets are proposed to be developed within the project. The comparison of the detailed area from Environmental Clearance accorded and as per the revised layout is as under:</p>					
		EC Accorded		Difference	As per revised layout	
Sl. No.	Description	Area (in sq.m.)	Area (in acres)	Area	Area (in sq.m.)	Area (in acres)
1	Total Plot Area (Scheme Area)	110.12 acres (or 4,45,633.616 sq.m.)				
2	Area under proposed master plan road	48,521.80	11.99	-0.5 acres	46,498.38	11.49
3	Reserved Area (future development)	19,141.63	4.73	-4.73 acres	-	-
4	Net Planned Area [1-(2+3)]	3,77,976.38	93.40	5.23 acres	3,99,141.44	98.63
5	Built-up Area	5,68,150.02	-	108,523.36 sq.m.	6,76,673.38	-
8	Area Under Residential (Independent Floors)	39,059.71	9.65	8.74 acres	74,421.68	18.39

	9	Area Under Commercial	5,179	1.28	6.185 acres	30,209.78	7.465
	10	Area under Institutional/ Amenities / Public Buildings	48,117.12	11.88	-6.36 acres	22,338.64	5.520
	11	Area under Group Housing	56760.41	14.02	10.63 acres	99,779.29	24.656
	12	Area under EWS	11602.17	2.86	0.14 acres	12,140.56	3
	13	Area under industrial	152438.90	37.66	-15.202 acres	90,884.30	22.458
	15	Area under Parks	79512.24	19.64	-12.823 acres	27,587.42	6.817
	16	Area under roads and utility	87,406.82	21.59	-11.266 acres	41,779.74	10.324
1.5	Category under EIA notification dated 14.09.2006	The project falls under S.No. 8(b) - 'Townships and Area Development projects.' as built-up area of the project will be 6,76,673.38 sq.m.					
1.6	Cost of the project	Rs. 968.30 Crores					
2.	Site Suitability Characteristics						
2.1	Whether project is suitable as per the provisions of Master Plan:	The project is an area development project and falls in agricultural zone, residential and mix land use zone as per Master plan of Zirakpur. Copy of the Master plan of Zirakpur showing the project location is enclosed with EDS reply.					
2.2	Whether supporting document submitted in favour of statement at 2.1, details thereof: (CLU/building plan approval status)	Permission for Change of land use has been issued by Department of Town & Country Planning, Punjab for 277.43 acres of land area vide Memo No. 161-CTP(Pb)/SP-432(m) dated 11.01.2010; copy of CLU is submitted.					
3	Forest, Wildlife and Green Area						
3.1	Whether the project required clearance under the provisions of Forest Conservations Act 1980 or not:	No, the Project Proponent has submitted a copy of NOC issued by DFO SAS Nagar vide no. 4728 dated 16.12.2011, wherein it has been mentioned that no forest area is covered in the land area of 110.12 acres, proposed to be developed by the promoter company.					

3.2	Whether the project required clearance under the provisions of Punjab Land Preservation Act (PLPA), 1900.	Permission for Change of land use has been issued by Department of Town & Country Planning, Punjab for 277.43 acres of land area vide Memo No. 161-CTP(Pb)/SP-432(m) dated 11.01.2010; copy of CLU is submitted.		
3.3	Whether project required clearance under the provisions of Wildlife Protection Act 1972 or not:	The Project Proponent has not submitted a self-declaration in the prescribed proforma.		
3.4	Whether the project falls within the influence of Eco-Sensitive Zone or not.	No, the project does not fall within any eco-sensitive zone.		
3.5	Green area requirement and proposed No. of trees:	Total green area: 63,173 sq.m. (@ 15.87% of the net planned area) Proposed trees to be planted: 4,990 nos.		
4.	Configuration & Population			
4.1	Configuration			
	Sr. No.	Description	Area in Sqm as per conceptual plan	Area in Sqm as per the application proposal
	1.	Industrial	319309	319309
	2.	Commercial	60421	60,421
	3.	Residential GH	272527	272527
	4.	Residential plotted/Independents floors	109700	Not included
	5.	EWS	14568	14568
	6.	Institutional utilities and roads	21746	9848.38
		Total	798272 sqm.	676673.38 sqm
4.2	Population:			
	Sl. No.	Description	Area/ Dwelling Units	Criteria
				No. of Persons

	1.	Independent Floors	908 D.U.	@ 4.5 persons per DU	4,086		
	2.	Group Housing	2450 D.U.	@ 4.5 persons per DU	11,025		
	3.	Commercial	7.465 acres	100 persons per acre	747		
	4.	Industrial	22.458 acres	100 persons per acre	2,246		
	5.	Institution	5.520 acres	100 persons per acre	552		
	6.	EWS	3.0 acres	400 persons per acre	1,200		
	7.	Visitors		@ 10% of population	1,631		
	Total Estimated Population					21,487 Persons	
5	Water						
5.1	Sr. No.	Description	Population	Criteria (in lpcd)	Total Water Requirement (in KLD)	Flushing Criteria (in KLD)	Flushing Demand (in KLD)
	1.	Independent Floors	4,086	135	552	45	184
	2.	Group Housing	11,025	135	1488	45	496
	3.	Commercial	747	45	34	20	15
	4.	Industrial	2,246	45	101	20	45
	5.	Institution	552	45	25	20	11
	6.	EWS	1,200	135	162	45	54
	7.	Visitors	1,631	15	24	10	16
		Total	21,487 Persons		2386 KLD		821
5.2	Source		Borewells				

5.3	Whether Permission obtained for abstraction/supply of the fresh water from the Competent Authority (Y/N) <i>Details thereof</i>	Yes, Permission for abstraction of ground water has been obtained from CGWA vide permission dated 09.02.2011 for the abstraction of 909 KLD of ground water.				
5.4	Total wastewater & treated wastewater generation and its utilization:					
	Sr. No.	Description	Water requirement			
1.	Water requirement	2,386 KLD				
2.	Flushing water requirement	821 KLD				
3.	Fresh water requirement	2,386-821 = 1,565 KLD				
4.	HVAC Cooling	1150 KLD				
5.	Flow to sewer (@ 80%) + Infiltration rate	1909+ 20 = 1929 KLD				
6.	Treated water (@ 98%)	1,890 KLD				
7.	Green area requirement (63,173 sq. m.) <ul style="list-style-type: none"> • Summer (@ 5.5 lt./m²/day) • Winter (@ 1.8 lt./m²/day) • Monsoon (@ 0.5 lt./m²/day) 	<ul style="list-style-type: none"> • 347 KLD • 114 KLD • 32 KLD 				
5.5	Treatment methodology: <i>(STP capacity, technology & components)</i>	1,929 KLD of sewage will be generated from the project which will be treated in proposed STP of 3 MLD capacity based on MBBR Technology (two modules of 1,500 KLD each).				
5.6	Treated wastewater for flushing purpose:	821 KLD				
5.7	Utilization/Disposal of excess treated wastewater.	There will be no excess treated water as same will be utilized for flushing, horticulture & HVAC cooling.				
5.8	Cumulative Details:					
Sr. No.	Total water Requirement	Total wastewater generated	Treated wastewater	Flushing water requirement	Green area requirement	HVAC Cooling

	1.	2,386 KLD	1,929 KLD	1,890 KLD	821 KLD	Summer: 347 KLD Winter: 114 KLD Monsoon: 32 KLD	Summer: 447 KLD Winter: 214 KLD Monsoon : 113 KLD
*No excess treated wastewater shall be generated.							
5.9	Rain water harvesting proposal:	Total 68 no. of Rain water recharging pits with dual bore are being proposed for artificial rain water recharge within the project premises.					
6	Air						
6.1	Details of Air Polluting machinery:	Total 3 nos. of DG Sets (3×200 KVA) are proposed for standby use for emergency purposes for water works & STP.					
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	7.559 MT/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.	Solid waste management area has been provided. Biodegradable waste will be composted by use of Composters. Non-biodegradable waste (recyclable waste) will be disposed off through authorized recycler vendors. Inert waste will be dumped at authorized dumping site.					

7.3	Details of management of Hazardous Waste.	Hazardous Waste in the form of used oil from DG set will be generated which will be managed & disposed of to authorized vendors as per the Hazardous & Other Wastes (Management & Transboundary Movement) Rules, 2016 and its amendments.																																																
8	Energy Saving & EMP																																																	
8.1	Power Consumption:	Total power demand for the proposed project will be 10,800 KW or 12,000 KVA which will be provided by Punjab State Power Corporation Limited (PSPCL).																																																
8.2	Energy saving measures:	Solar energy and alternative source of energy to reduce the fossil energy consumption will be availed by individual housing at the time of completion of construction of houses. Energy efficient equipment's, materials, LED street lightening, fixtures, solar street lights, etc. have been proposed for energy conservation.																																																
8.3	<p>Details of activities under Environment Management Plan.</p> <p>Construction phase</p> <table border="1"> <thead> <tr> <th>S.No.</th> <th>Title</th> <th>Capital Cost (Rs. Lakhs)</th> <th>Recurring Cost (Rs. Lakhs/ Annum)</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Air Pollution Control</td> <td>15</td> <td>1</td> </tr> <tr> <td>2.</td> <td>Water Pollution Control/ Sewage Treatment Plant</td> <td>150</td> <td>4</td> </tr> <tr> <td>3.</td> <td>Landscaping/ Noise Pollution Control</td> <td>100</td> <td>10</td> </tr> <tr> <td>4.</td> <td>Solid Waste Management</td> <td>50</td> <td>3</td> </tr> <tr> <td>5.</td> <td>RWH</td> <td>70</td> <td>2</td> </tr> <tr> <td>6.</td> <td>Energy Conservation</td> <td>50</td> <td>2</td> </tr> <tr> <td>7.</td> <td>Miscellaneous</td> <td>10</td> <td>2</td> </tr> <tr> <td></td> <td>Total</td> <td>445</td> <td>24</td> </tr> </tbody> </table> <p>Operation Phase</p> <table border="1"> <thead> <tr> <th>S.No.</th> <th>Title</th> <th>Recurring Cost (Rs. Lakhs/ Annum)</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Air Pollution Control</td> <td>2</td> </tr> <tr> <td>2.</td> <td>Water Pollution Control/ Sewage Treatment Plant</td> <td>25</td> </tr> <tr> <td>3.</td> <td>Landscaping/Noise Pollution Control</td> <td>15</td> </tr> </tbody> </table>		S.No.	Title	Capital Cost (Rs. Lakhs)	Recurring Cost (Rs. Lakhs/ Annum)	1.	Air Pollution Control	15	1	2.	Water Pollution Control/ Sewage Treatment Plant	150	4	3.	Landscaping/ Noise Pollution Control	100	10	4.	Solid Waste Management	50	3	5.	RWH	70	2	6.	Energy Conservation	50	2	7.	Miscellaneous	10	2		Total	445	24	S.No.	Title	Recurring Cost (Rs. Lakhs/ Annum)	1.	Air Pollution Control	2	2.	Water Pollution Control/ Sewage Treatment Plant	25	3.	Landscaping/Noise Pollution Control	15
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	4.	Solid Waste Management	20
	5.	RWH	10
	6.	Energy Conservation	5
	7.	Miscellaneous	5
		Total	82
8.4	CER details	Not submitted.	

During meeting, the Committee observed that the latest construction status report to be furnished by Punjab Pollution Control Board is still awaited. Further, the Committee appraised the application proposal of the promoter company and decided to defer the case till the receipt of reply of the below mentioned observations:

1. The Project Proponent has not taken into account the total built-up area as mentioned in the conceptual plan. The Project Proponent shall submit the justification in this regard.
2. The project proponent shall submit self-declaration to the effect that the industry does not require clearance under the provisions of the Forest Conservation Act 1980 and Wildlife Protection Act 1972 in the prescribed format.
3. The Project Proponent shall submit the compliance of the EC conditions granted vide SEIAA letter No. 2129 dated 21.06.2011.
4. The Project Proponent shall submit the construction status of the various building components as per earlier EC granted to it.
5. The Project Proponent shall allocate up to 1% of the total project cost on the following CER activities:
 - j) Development of Mini Forests (Nanak Bagchi), raising of Avenue Plantations and Plantations in public/community areas.
 - k) Rejuvenation of Village Ponds.
 - l) Development of Infrastructure for utilization of treated effluent of STPs.
 - m) Provision of solar panels in the Government / Municipal / other public schools, hospitals and Dispensaries, etc.
 - n) Rainwater harvesting in Public Buildings.
 - o) Alternatives to Single Use Plastic.

- p) Solid waste Management
- q) Other activities relating to amelioration of Air, Water and Soil pollution as prescribed in the applicable District Environment Plan (DEP).
- r) 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.

Now, Punjab Pollution Control Board vide letter No. 1614 dated 09.03.2023 furnished the construction status report as under:

“The Project site was visited by officer of the Board on 14/02/2023 and it was observed as under:

1. *As per the site shown by the project proponent the project is being developed in 4 parts and their details are as under:*

Details of Area	No. of Plots / other details	Present status
<i>Manav Mangal School</i>	<i>2.94 acres</i>	<i>Construction completed and project in operation. The project has already obtained Consent to Operate which is valid till 30.09.2025.</i>
<i>Independent Floors namely Sushma Valencia by Suksha Developers namely Susma Empiria</i>	<i>18.39 acres having 227 plots</i>	<i>The construction work has not been completed at the site. The project proponent has obtained separate Environment Clearance B+G+3 configuration completed and shuttering work under progress. No occupancy.</i>

2. *NOC obtained from PPCB for the Super mega mixed use Integrated Industrial Park Project, Phase-1, by M/s Shipra Estate Limited Zirakpur in an area of 110.12 acres (4,45,633.616 Sqm) having 68 Residential Plots, 1320 Flats in group Housing, 68 Row Houses, 200 EWS houses, 250 shops, 229 Units for IT & ITES industries and community site like primary school, High School Hospital , dispensary & Religious Building Has expired on 31/3/2020.*
3. *The project proponent has installed STP of 650 KLD capacity near the Sushma Emporia Project for the treatment of waste-water generated form Sushma Valencia During visit the aeration blower were not in operation and sample from outlet was collected. Thereafter during visit the site by AEE of Regional Office, the aeration blower was brought in to operation and sample was again collected from outlet of STP. As per record 99 KLD waste-water is being treated. The treated water is being supplied to green area developed plantation area as per Karnal technology adjoining Sukhna Choe.*

4. No MAH industry / Cement Plant/ grinding unit/ rice sheller/ Sailla plant/ stone crushing / screening cum washing unit/ hot mix plant/ brick kiln within a radius of 500 m from the boundary of the proposed site of the project. No air polluting industry is located within 100 mtr of the proposed site. Therefore, the site of the project is conforming to the sitting guidelines laid down by the Govt. of Punjab Department of Science Technology and Environment vide order dated 25/07/2008 as amended on 30/10/2009.
5. A storm drain namely Sukhna choe carrying treated as well as untreated domestic effluent also passes close to the project at a distance ranging from 30 m to 120 m.

It is informed that the environmental clearance earlier obtained by the project proponent has already expired on 21/08/2021 and during the visit on 14/2/2023 the construction work was under progress in this project. Thus, the project proponent is in violation. It is pertinent to mention here that in the proposed site of the expansion for which the environmental clearance is applied, no construction is being carried out.

The project proponent does not comply with the Office Memorandum F. No. 22-21/2020- IA.III dated 7/7/2021 issued by MoEF&CC, Government of India, new Delhi in which SOP for identification and handing of violation cases under the EIA notification date 14/9/2006 has been defined.”

Deliberations during 245th meeting of SEAC held on 24.04.2023.

The meeting was attended by the following:

- (i) Mr. Bhupinder Singh, Authorized Signatory M/s Shipra Estate Pvt Ltd
- (ii) Mr. Sandeep Garg, EIA Coordinator, M/s Eco laboratories Pvt. Ltd.
- (iii) Mrs. Jyoti Rani, EC Coordinator, M/s Eco laboratories Pvt Ltd.

SEAC allowed the Environmental Consultant of the project proponent to present the reply of the aforementioned observations. The Environmental Consultant thereafter presented the reply as under:

S. No.	ADS Query	Reply
1.	The Project Proponent has not taken into account the total built-up area as mentioned in the conceptual plan. The Project Proponent shall submit the justification in this regard.	It is to highlight that built-up area mentioned in final conceptual plan is 6,76,673.38 sq.m. (i.e., excluding the built-up area of Manav Mangal Smart World School and Sushma Valencia) and the same has been submitted with reply of EDS dated 30.05.2020.

S. No.	ADS Query	Reply
2.	The project proponent shall submit self-declaration to the effect that the industry does not require clearance under the provisions of the Forest Conservation Act, 1980 and Wildlife Protection Act, 1972 in the prescribed format.	Self-declaration stating that project does not require clearance under Forest Conservation Act, 1980 and Wildlife Protection Act, 1972 is submitted.
3.	The Project Proponent shall submit the compliance of the EC conditions granted vide SEIAA letter No. 2129 dated 21.06.2011.	Copy of the six-monthly compliance report of earlier granted Environmental Clearance for period ending 30.09.2022 is submitted.
4.	The Project Proponent shall submit the construction status of the various building components as per earlier EC granted to it.	Environmental Clearance is being filed as an area development project as only plotting will be done and external services such as roads, plumbing work, electrical work, etc. will be laid by the project proponent. Individual plots are being sold to individual plot owners and separate approvals will be obtained by individual plot owners, if applicable. However, construction status of the various building components within the project is given in Table 1 below:

Table 1: Construction status of Building components

Sl. No.	Component	Percentage	Individual Approval Status
1.	Manav Mangal School	100%	CTO has been obtained from PPCB vide Certificate no. CTOA/Varied/SAS/2023/20216536 dated 18/01/2023 and CTOW/Varied/SAS/2023/20216914 dated 19/01/2023.
2.	Sushma Valencia • Pocket R1 • Pocket R4	• 55% • 75%	EC has been granted by SEIAA, Punjab vide Letter no. SEIAA/2018/950 dated 16.07.2018.

3.	Sushma Empiria (Part of Pocket 3)	25%	EC has been granted by SEIAA, Punjab vide Letter no. DECC/SEIAA/2019/1100 dated 09.12.2019.
4.	Sushma Belleza (Part of Pocket 2)	30%	EC has been granted by SEIAA, Punjab vide Letter no. SEIAA/2020/3340 dated 05.11.2020.
5.	Sushma Metropol (Part of Pocket 2)	5%	EC has been granted by SEIAA, Punjab vide Letter no. DECC/SEIAA/2020/3350 dated 05.11.2020.

S. No.	ADS Query	Reply									
5.	The Project Proponent shall submit the details of CER activities.	<p>As per earlier EC granted, CSR/CER was not mentioned. As additional project cost is Rs. 30 Crores. Thus, 1% of the cost i.e. Rs. 30 Lakhs has been reserved under CER activity as given below:</p> <table border="1"> <thead> <tr> <th>S. No.</th> <th>Activity</th> <th>Amount allocated (in Lakhs)</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Development of Nanak Bagichi in Village Bakarpur</td> <td>30</td> </tr> <tr> <td colspan="2" style="text-align: center;">Total</td> <td>Rs. 30 Lakhs</td> </tr> </tbody> </table> <p>Further, NOC from Sarpanch has also been obtained for development of Nanak Bagichi in Village Bakarpur vide dated 10.03.2023; copy of the same is submitted. Proposal for Nanak Bagichi is submitted.</p>	S. No.	Activity	Amount allocated (in Lakhs)	1.	Development of Nanak Bagichi in Village Bakarpur	30	Total		Rs. 30 Lakhs
S. No.	Activity	Amount allocated (in Lakhs)									
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Total		Rs. 30 Lakhs									

The Committee perused ADS reply of the aforementioned observations and was found incomplete. After detailed deliberations, SEAC decided to defer the case till the receipt of the reply of the below mentioned observations:

- (i) The Project Proponent shall submit the component-wise details of the total land area, built up area along with the details of environmental parameters such as basis of estimating the population, water consumption, waste water generation, reuse of treated waste water for flushing/greening, STP capacity, final disposal of treated waste water etc., as per the earlier Environment Clearance granted and as per expansion proposal.
- (ii) The Project Proponent shall submit the layout plan by clearly marking the land areas considered in the environmental clearance already granted and as per the expansion proposal by marking in it different colours.
- (iii) The Committee observed that the proposal of the Project Proponent to utilize treated wastewater for HVAC cooling throughout the year is not justified as there is no requirement of water for HVAC cooling during winter season. Further, no technical details have been provided by the Project Proponent to reuse the treated waster water for HVAC cooling. The Project Proponent shall submit the alternate scheme for the disposal of excess treated wastewater.
- (iv) The Project Proponent shall submit an undertaking to the effect that no category A or B industry shall be setup in the proposed land area of the project.
- (v) The Project Proponent shall submit the clarification w.r.t the status report submitted by the Punjab Pollution Control Board, wherein it has been mentioned that the project is under violation as earlier Environmental Clearance granted to the Project Proponent was expired on 21.08.2021 and construction work was in progress during the visit on 14.02.2023.
- (vi) The Project Proponent shall submit the self-certified compliance report of the earlier Environmental Clearance granted.
- (vii) The Project Proponent shall upload the conceptual plan for the proposed Environmental Clearance application.

Item No.245.10: Application for Environmental Clearance under EIA notification dated 14.09.2006 for the establishment of Commercial Project namely “LIC Complex” at Sector 49, SAS Nagar, Punjab by M/s Life Insurance Corporation of India (Proposal No. SIA/PB/MIS/105312/2019).

Life Insurance Corporation of India (LIC) has proposed to construct commercial project “LIC Complex” at Sector 49, SAS Nagar, Punjab. LIC has submitted an application for obtaining Environmental Clearance under EIA notification dated 14.09.2006 for the establishment of Commercial Project namely “LIC Complex” at Sector 49, District SAS Nagar, Punjab, in the total land area of 38,849.52 sqm having built up area 1,04,716.38 sqm. The project is covered under Activity 8(a) & Category ‘B2’ as per EIA notification-2006.

LIC has submitted the Form I, 1A and other additional documents along with processing fee amounting to Rs. 2,09,433/- dated 30.06.2021, as verified by the supporting staff SEIAA.

LIC has submitted layout plan of the project approved from Assistant Town Planner, GMADA, SAS Nagar. As per the said layout plan the total land area of the project is 38849.52 sqm and the total built up area is 104716.38 sqm.

Punjab Pollution Control Board vide letter no. 3548 dated 20.06.2022 has sent the latest construction status report with details as under:

“.....Accordingly, the site was visited by officer of the Board on 31/05/2022 and it was observed as under:

- 1. The boundary wall of the plot has been done using brick work. Wild growth of plants was observed inside the plot. The site is surrounded by residential houses of sector-49D Chandigarh at one side.*
- 2. The project site is located in sector 49, Mohali.*
- 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 500 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. As per master plan of SAS Nagar the site is located commercial zone.*
- 5. In the project report the project proponent has accounted for usage of treated waste water for flushing purposes @ 70% of the total water consumption which is not correct and needs to be 33% i.e. 100 KLD. hence, mode of disposal submitted in the project report is*

inadequate. The project proponent has not proposed arrangement for inside management of wet solid waste generated from the project.

6. *N-choe drain pass at a distance of 1km away from the project site.*

7. *The GMADA has laid down sewer in the adjoining sector-65, Mohali.*

It is pertinent to mention here that the proposed site is situated within the jurisdiction of M.C Mohali/ GMADA. However, the STP installed by GMADA authorities is adequate to cater the quantity of additional effluent of this project. The upgradation of exiting STP installed by GMADA authorities is yet to be made. Moreover, the project proponent has not submitted the alternate proposal for mode of disposal.”

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

Sr. No.	Description	Details
1	Basic Details	
1.1	Name of Project & Project Proponent:	Project Name: Commercial Project “LIC Complex” Project Proponent: M/S Life Insurance Corporation of India
1.2	Proposal:	SIA/PB/MIS/105312/2019
1.3	Location of Project:	Sector-49, SAS Nagar, Punjab
1.4	Details of Land area & Built up area:	Plot area = 38,849.52 sqm Built up area = 1,04,716.38 sqm
1.5	Category under EIA notification dated 14.09.2006	8 (a)
1.6	Cost of the project	INR 1011.67 Crores
2.	Site Suitability Characteristics	
2.1	Whether project is suitable as per the provisions of Master Plan:	Allotment letter has been issued by the GMADA for the establishment of Multiplex/Shopping Mall/Hotel/Restaurant/Service apartments and activities subservient to commercial. The details are as under:
2.2	Whether supporting document submitted in favour of statement at 2.1, details thereof: (CLU/building plan approval status)	A copy of allotment letter of the land measuring 9.60 acre in Sector 49, SAS Nagar in the name of M/s Life Insurance Corporation of India has been issued by GMADA vide letter no. GMADA(Policy)/2008/8942 dated 21.04.2008 submitted.
3	Forest, Wildlife and Green Area	
3.1	Whether the project required clearance	A copy of letter issued by Deputy Conservator of Forest, Chandigarh Administration vide letter No. FOR/2021/2168 dated

	under the provisions of Forest Conservations Act 1980 or not:	20.09.2021 wherein it has been mentioned that the distance of the project is at approximately 10.56 Km from the Sukhna Wildlife Sanctuary and 4.48 Km from City Bird Sanctuary. Further, the Project Proponent has also mentioned that no land area of the project is covered under the provisions of Forest Conservation Act 1980.															
3.2	Whether the project required clearance under the provisions of Punjab Land Preservation Act (PLPA) 1900.	No															
3.3	Whether project required clearance under the provisions of Wildlife Protection Act 1972 or not:	A copy of letter issued by Deputy Conservator of Forest, Chandigarh Administration vide letter No. FOR/2021/2168 dated 20.09.2021 wherein it has been mentioned that the distance of the project is at approximately 10.56 Km from the Sukhna Wildlife Sanctuary and 4.48 Km from City Bird Sanctuary.															
3.4	Whether the project falls within the influence of Eco-Sensitive Zone or not.	Not applicable															
3.5	Green area requirement and proposed No. of trees:	Green Area = 9,713 sqm No. of trees proposed = 500 trees (1 tree/80 sqm of the plot area)															
4.	Configuration & Population																
4.1	Proposal & Configuration	<table border="1"> <thead> <tr> <th>Sr. No.</th> <th>Particulars</th> <th>Area in Sqm</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Total plot area</td> <td>38849.52</td> </tr> <tr> <td>2.</td> <td>Proposed FAR (@1.41% of total Plot area)</td> <td>54,843.32</td> </tr> <tr> <td>3.</td> <td>Non-FAR area</td> <td>49,873.06</td> </tr> <tr> <td>4.</td> <td>Built up area (Non-FAR+FAR area)</td> <td>104716.38</td> </tr> </tbody> </table> <p><i>The above said details are as per the application proposal given by the Project Proponent.</i></p>	Sr. No.	Particulars	Area in Sqm	1.	Total plot area	38849.52	2.	Proposed FAR (@1.41% of total Plot area)	54,843.32	3.	Non-FAR area	49,873.06	4.	Built up area (Non-FAR+FAR area)	104716.38
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Sr. No.	Description	Area (sqm)	PPU	Total Population													

	1.	Ground Floor (Shops)	8,403.21	3 Sqm/person	2801
		• Staff	(@10% of the Retail shop population)		280
		• Visitors	(@90% of the Retail shop population)		2521
	2.	First Floor (Shops)	6,820.60	6 Sqm/person	1137
		• Staff	(@10% of the Retail shop population)		114
		• Visitors	(@90% of the Retail shop population)		1023
	3.	Second Floor (Shops)	6,820.60	6 Sqm/person	1137
		• Staff	(@10% of the Retail shop population)		114
		• Visitors	(@90% of the Retail shop population)		1023
	4.	Third Floor (Food Court)			1100
		• Visitors	1,000 seats	-----	1,000
		• Staff	(10% of total population)		100
	5.	Third Floor (Auditorium)			1342
		• Visitors	1,220 seats	-----	1,220
		• Staff	10% of Visitors		122
5.	Fourth to Tenth Floor (office)	25,516.31	10 m ² /person	2552	
	• Staff	(@90% of the Office staff population)		2297	

	• Visitors	(@10% of the Office staff population)	255
GRAND TOTAL POPULATION			10,069
5	Water		
5.1	Total water demand w.r.t Population		
S. No.	Description	Total occupancy	Rate of water demand (lpcd)
A.	Domestic Water		
1.	Ground Floor to second floor (Shops)	5075	92
	• Staff	508	23
	• Visitors	4567	69
2.	Third Floor (Food Court)	1100	75
	• Visitors	1000	70
	• Staff	100	5
3.	Third Floor (Auditorium)	1342	25
	• Visitors	1220	19
	• Staff	122	6
4.	Fourth to Tenth Floor (office)	2552	108
	• Staff	2297	104
	• Visitors	255	4
Total Domestic water requirement			300 KLD
5.1	Total fresh water requirement:	90 KLD	
5.2	Source:	GMADA	
5.3	Whether Permission obtained for	Application for obtaining permission for fresh water supply has been submitted.	

	abstraction/supply of the fresh water from the Competent Authority (Y/N) <i>Details thereof</i>						
5.4	Total wastewater generation:	240 KLD					
5.5	Treatment methodology: <i>(STP capacity, technology)</i>	STP capacity: 300 KLD Technology: MBBR Technology Treated wastewater generation: 216 KLD					
5.6	Treated wastewater for flushing purpose:	210 KLD.					
5.7	Treated wastewater for green area in summer, winter and rainy season:	Summer season: 06 KLD Winter season: 06 KLD Rainy season: 05 KLD					
5.8	Utilization/Disposal of excess treated wastewater.	<p>1. The Project Proponent has proposed to utilize the treated waste water to be received through private tanker for the total quantity of 287 KLD in summer season, 251 KLD in winter season and 239 KLD in rainy season.</p> <p>2. Out of 287 KLD of treated wastewater to be received through private tanker, 240 KLD shall be utilized for HVAC cooling & 47 KLD shall be utilized for horticulture purpose whereas, in winter season out of 251 KLD of treated wastewater, 240 KLD shall be utilized for HVAC cooling and 11 KLD shall be utilized for horticulture purpose and in rainy season the entire quantity of 239 KLD of treated wastewater shall be utilized for HVAC cooling and 1 KLD shall be met through treated waste water generated from the project.</p>					
5.9	Cumulative Details:						
	S. No.	Total water Requirement	Total wastewater generated	Treated wastewater	Flushing water requirement	Green area requirement	Into sewer
	1.	300 KLD	240 KLD	216 KLD	210 KLD	06 KLD against 53 KLD	Nil

5.1 0	Rain water harvesting proposal:	<ul style="list-style-type: none"> • Volume of a single Recharge pit = $\pi r^2 h = 3.14 \times 1.5 \times 1.5 \times 4 = 28.26 \text{ m}^3$ • No. of pits required for roof top area = 10 pits. • No. of pits required for Green area = 1 pit. • No. of pits required for paved area = 6 pits • No. of pits required for Roof-top Area= 3 pits <p><i>Total 10 Rain Water Harvesting pits being proposed for artificial rain water recharge within the project premises</i></p>				
6	Air					
6.1	Details of Air Polluting machinery:	The DG sets (4x2000 KVA + 1x1000 KVA)= 9000 KVA shall be installed as power backup.				
6.2	Measures to be adopted to contain particulate emission/Air Pollution	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th data-bbox="571 680 932 743" style="text-align: center;">Anticipated Impact</th> <th data-bbox="932 680 1417 743" style="text-align: center;">Mitigation Measures</th> </tr> </thead> <tbody> <tr> <td data-bbox="571 743 932 1845"> <p><u>Construction Phase:</u></p> <ol style="list-style-type: none"> 1. Dust emission from transportation of construction material. 2. Gaseous emissions from construction machinery. 3. Dust from construction activities. 4. Emission from DG sets. </td> <td data-bbox="932 743 1417 1845"> <ol style="list-style-type: none"> 1. Site will be enclosed with 5 m high barricade around the project boundary which will act as a wind breaker. 2. Water sprinkling will be carried out for dust suppression. 3. All the machinery deployed at site are of highest standard and of reputed make and comply with the emission standards 4. Low sulphur diesel will be used for DG sets, vehicles and construction machinery. 5. Vehicles having valid pollution under control (PUC) certificate will be allowed to enter the project site. 6. The trucks carrying construction materials and debris will be suitably covered by tarpaulin/plastic sheets 7. Speed of the vehicles will be restricted to 20 kmph by erecting speed bumps and signages at regular intervals within project site. </td> </tr> </tbody> </table>	Anticipated Impact	Mitigation Measures	<p><u>Construction Phase:</u></p> <ol style="list-style-type: none"> 1. Dust emission from transportation of construction material. 2. Gaseous emissions from construction machinery. 3. Dust from construction activities. 4. Emission from DG sets. 	<ol style="list-style-type: none"> 1. Site will be enclosed with 5 m high barricade around the project boundary which will act as a wind breaker. 2. Water sprinkling will be carried out for dust suppression. 3. All the machinery deployed at site are of highest standard and of reputed make and comply with the emission standards 4. Low sulphur diesel will be used for DG sets, vehicles and construction machinery. 5. Vehicles having valid pollution under control (PUC) certificate will be allowed to enter the project site. 6. The trucks carrying construction materials and debris will be suitably covered by tarpaulin/plastic sheets 7. Speed of the vehicles will be restricted to 20 kmph by erecting speed bumps and signages at regular intervals within project site.
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7	Waste Management					
7.1	Total quantity of solid waste generation	2,128 kg/day				
7.2	Details of management and disposal of solid waste (Mechanical Composter/Compost pits)	Solid wastes will be appropriately segregated (at source. by providing bins) into recyclable, Bio-degradable Components, and non- biodegradable. <u>Bio-Degradable waste</u> 1. Bio-degradable waste will be subjected to composting through Organic Waste Converter and the compost will be used as manure. 2. STP sludge is proposed to be used in horticulture. 3. Horticultural Waste is proposed to be composted and used for gardening. <u>Recyclable waste</u> 1. <u>Grass Recycling</u> – The cropped grass will be spread on green area. It will act as manure after decomposition. 2. Recyclable waste like paper, plastic, metal etc. will be disposed through local approved recyclers. <u>Disposal</u> Recyclable and non-recyclable waste will be disposed through an authorized service provider/vendor.				
7.5	Details of management of Hazardous Waste.	Not submitted any details				
8	Energy Saving & EMP					
8.1	Power Consumption:	10,700 kVA				

8.2	Energy saving measures:	<p>4 no. of D.G sets of total capacity 8000 kVA (4 x 2000) and 1 no. of D.G sets of total capacity 1000 kVA (1 x 1000)</p> <table border="1" data-bbox="574 233 1414 653"> <thead> <tr> <th data-bbox="574 233 662 344">S. No.</th> <th data-bbox="662 233 1109 344">DESCRIPTION</th> <th data-bbox="1109 233 1414 344">SAVINGS (kVA)</th> </tr> </thead> <tbody> <tr> <td data-bbox="574 344 662 522">1.</td> <td data-bbox="662 344 1109 522">Solar based Lighting will be done in the landscape areas, signage, entry gates and boundary walls etc.</td> <td data-bbox="1109 344 1414 522" style="text-align: center;">1,060</td> </tr> <tr> <td data-bbox="574 522 662 583">2.</td> <td data-bbox="662 522 1109 583">LEDs for internal lighting</td> <td data-bbox="1109 522 1414 583" style="text-align: center;">1,722</td> </tr> <tr> <td colspan="2" data-bbox="574 583 1109 653" style="text-align: center;">Total Energy Saved</td> <td data-bbox="1109 583 1414 653" style="text-align: center;">2,782</td> </tr> </tbody> </table> <p data-bbox="574 653 1414 787"> Total energy consumption = 10,700 kVA Energy saved through various provisions = 2,782 kVA TOTAL ENERGY SAVING = 26 % </p>	S. No.	DESCRIPTION	SAVINGS (kVA)	1.	Solar based Lighting will be done in the landscape areas, signage, entry gates and boundary walls etc.	1,060	2.	LEDs for internal lighting	1,722	Total Energy Saved		2,782									
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8.3	Details of activities under Environment Management Plan:	<p data-bbox="574 787 1414 940">During construction phase Project Manager will be responsible and during operation phase, Project Manager will be responsible for implementation of the EMP.</p> <table border="1" data-bbox="574 940 1414 1648"> <thead> <tr> <th data-bbox="574 940 948 1094">COMPONENT</th> <th data-bbox="948 940 1154 1094">CAPITAL COST (INR LAKH)</th> <th data-bbox="1154 940 1414 1094">RECURRING COST (INR LAKH/YR)</th> </tr> </thead> <tbody> <tr> <td data-bbox="574 1094 948 1155">Sewage Treatment Plant</td> <td data-bbox="948 1094 1154 1155" style="text-align: center;">30</td> <td data-bbox="1154 1094 1414 1155" style="text-align: center;">7.5</td> </tr> <tr> <td data-bbox="574 1155 948 1257">Rain Water Harvesting System</td> <td data-bbox="948 1155 1154 1257" style="text-align: center;">15</td> <td data-bbox="1154 1155 1414 1257" style="text-align: center;">3.75</td> </tr> <tr> <td data-bbox="574 1257 948 1339">Solid Waste Management</td> <td data-bbox="948 1257 1154 1339" style="text-align: center;">4.5</td> <td data-bbox="1154 1257 1414 1339" style="text-align: center;">1.06</td> </tr> <tr> <td data-bbox="574 1339 948 1442">Environmental Monitoring</td> <td data-bbox="948 1339 1154 1442" style="text-align: center;">--</td> <td data-bbox="1154 1339 1414 1442" style="text-align: center;">9</td> </tr> <tr> <td data-bbox="574 1442 948 1545">Green Area/ Landscape Area</td> <td data-bbox="948 1442 1154 1545" style="text-align: center;">6</td> <td data-bbox="1154 1442 1414 1545" style="text-align: center;">1.5</td> </tr> <tr> <td data-bbox="574 1545 948 1648">Others (Energy saving devices, miscellaneous)</td> <td data-bbox="948 1545 1154 1648" style="text-align: center;">10</td> <td data-bbox="1154 1545 1414 1648" style="text-align: center;">2.5</td> </tr> </tbody> </table> <p data-bbox="574 1648 1414 1705">CER/CSR</p>	COMPONENT	CAPITAL COST (INR LAKH)	RECURRING COST (INR LAKH/YR)	Sewage Treatment Plant	30	7.5	Rain Water Harvesting System	15	3.75	Solid Waste Management	4.5	1.06	Environmental Monitoring	--	9	Green Area/ Landscape Area	6	1.5	Others (Energy saving devices, miscellaneous)	10	2.5
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	Plantation in Village Kumbra, Kajheri, Jagatpura, Burail	230.5	--
	Development of pond in Village Kumbra, Burail	170	--
	Providing gymnasium equipment's in Park	141	--
	TOTAL	607	25.31

1.0 Deliberations during 224th meeting of SEAC held on 11.07.2022.

The Project Proponent vide letter dated 10.07.2022 addressed to Member Secretary, SEAC informed that they are unable to attend the meeting due to some unavoidable circumstances and requested to consider their project in the next meeting of the Committee.

The Committee, while considering the request of the Project Proponent, decided to defer the case to next meeting of SEAC.

Deliberations during 225th meeting of SEAC held on 25.07.2022.

The meeting was attended by the following:

- (i) Sh. Amardeep Singh, Assistant Executive Engineer M/s Life Insurance Corporation of India.
- (ii) Mrs. Sadhna Singh, EIA Coordinator GRC India Private Limited.

During meeting, the Committee perused the presentation given by the Project Proponent and observed as under:

- (i) The Project Proponent has not submitted any basis for estimating the population for food court @ 1000 seats & auditorium @1220 seats.
- (ii) The Project Proponent has considered water demand @ 70 LPCD for food court which should be @ 35 LPCD as per statutory norms. The Project Proponent agreed to revise the calculations for water demand, flushing requirement & water balance diagrams.
- (iii) As pointed out by PPCB vide letter No. 3548 dated 20.06.2022, the Project Proponent has accounted for usage of treated waste water for flushing purposes @ 70% of the total water

consumption which is not correct and needs to be 33% i.e 100 KLD. The same needs to be checked by the Project Proponent.

- (iv) The project proponent has not provided dedicated space for solid waste management, mechanical composters for management of wet waste & scheme for disposal of non-recyclable fraction for dry waste. The capital & recurring cost earmarked for solid waste management was also found to be on lower side and needs to be revised.
- (v) The Project Proponent has not obtained permission for discharging excess treated wastewater into sewer. The Committee asked the Project Proponent to obtain the same.
- (vi) The Committee asked the Project Proponent to provide specific proposal for carrying out CER activities to the tune of upto 1% of the total project cost to undertake any of the following activities:
 - a) In situ Crop residue Management for control of stubble burning
 - b) Rejuvenation of Village Pond
 - c) Development of Infrastructure for utilization of treated effluent of STP.
 - d) Development of Mini Forests (Nanak Bagichi) in the District
 - e) Alternative to single use plastic.

The Project Proponent requested the Committee that as the total cost of the project is Rs.1011.67 Crore and as per OM dated 01.05.2018 issued by MoEF&CC on the subject of CER, the fund allocation for the CER for the Projects with capital investment more than 1000 Crores is 0.5 %. Therefore, they may be allowed to allocate 0.5% of the total project cost for carrying out CER activities. The Committee agreed to the same.

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

- (i) The Project Proponent shall submit the basis for estimating the population for food court @ 1000 seats & auditorium @1220 seats.
- (ii) The Project Proponent shall submit the revised calculation by considering water demand @ 35 LPCD for food court viz-a-viz revise the calculations for flushing requirement & water balance diagrams.
- (iii) The Project Proponent shall check the usage of treated waste water for flushing purposes @ 70% of the total water consumption as pointed out by PPCB.
- (iv) The project proponent shall provide dedicated space for solid waste management, mechanical composters for management of wet waste & scheme for disposal of non-recyclable fraction for dry waste. The capital & recurring cost earmarked for solid waste management found to be on lower side also needs to be revised.
- (v) The Project Proponent shall obtain permission for discharging excess treated wastewater into sewer.

(vi) The Project Proponent shall provide specific proposal for carrying out CER activities to the tune of 0.5% of the total project cost on any of the following activities:

- a) In situ Crop residue Management for control of stubble burning
- b) Rejuvenation of Village Pond
- c) Development of Infrastructure for utilization of treated effluent of STP.
- d) Development of Mini Forests (Nanak Bagichi) in the District
- e) Alternative to single use plastic.

Deliberations during 245th meeting of SEAC held on 24.04.2023.

The meeting was attended by the following:

- (i) Sh. Amardeep Singh, Assistant Executive Engineer M/s Life Insurance Corporation of India.
- (ii) Mrs. Sadhna Singh, EIA Coordinator GRC India Private Limited.

SEAC allowed the Environmental Consultant of the project proponent to present the reply of the aforementioned observations as under:

Sr. No.	Observation	Reply		
1	The Project Proponent shall submit the basis for estimating the population for food court @ 1000 seats & auditorium @1220 seats.			
	Reply:			
	(i) Food court seats 1666 nos. instead of 1000 no's which has been calculated on the basis of 1.8 sqm. per person of an area 3000 sqm as per NBC, 2016.			
	(ii) Cinema Hall Seats are 1464 nos. instead of 1220 no's which has been calculated based on total fixed seat of 1220 no's multiplying by 1.2 (as per NBC, 2016).			
	Accordingly, revised conceptual plan & NBC norms submitted.			
S. No.	Description	Area (sqm)	PPU	Total Population
1.	Ground Floor (Shops)	8,403.21 sqm	3 Sqm/person	2801
	• Staff	(@10% of the Retail shop population)		280
	• Visitors	(@90% of the Retail shop population)		2521
2.	First Floor (Shops)	6,820.60 sqm	6 Sqm/person	1137
	• Staff	(@10% of the Retail shop population)		114
	• Visitors	(@90% of the Retail shop population)		1023
3.	Second Floor (Shops)	6,820.60 sqm	6 Sqm/person	1137

	• Staff	(@10% of the Retail shop population)	114
	• Visitors	(@90% of the Retail shop population)	1023
4.	Third Floor (Food Court)	3000 sqm	1.8 Sqm/person
	• Visitors	(90% of Food Court population)	1500
	• Staff	(10% of Food Court population)	166
5.	Third Floor (Auditorium)	1220 seats	1.2
	• Visitors	90% of Auditorium population	1,318
	• Staff	10% of Auditorium population	146
6.	Fourth to Tenth Floor (office)	25,516.31 sqm	10 m ² /person
	• Staff	(@90% of the Office staff population)	2297
	• Visitors	(@10% of the Office staff population)	255
GRAND TOTAL POPULATION			10,757

2 The Project Proponent shall submit the revised calculation by considering water demand @ 35 LPCD for food court viz-a-viz revise the calculations for flushing requirement & water balance diagrams.

Reply:

Updated conceptual plan with revised calculation by considering water demand @ 35 LPCD for food court & water balance diagrams is submitted. The relevant part is tabulated as under:

S. No.	Description	Total occupancy (Area/Seats)	Rate of water demand (lpcd)		Total water requirement (KLD)								
			Fresh	Flushing	Fresh	Flushing	Total						
1.	Commercial (Shops, Auditorium, Offices)	10,757	Fresh	Flushing	Fresh	Flushing	Total						
	• Staff							2951	25	20	74	59	133
	• Visitors							6140	5	10	31	62	93
2.	Food Court	166	25	20	4	3	7						
	• Staff												
	Visitor	1500	35	10	53	15	68						

		Total Domestic water requirement	162 KLD	139 KLD	301 KLD										
	3.	Horticulture and Landscape development (9,713 m²) (5.5 lt/sqm)			53 KLD										
		HVAC Cooling	2000 TR@10 lt*12hrs		240 KLD										
		Total Water Requirement			594 KLD										
3	The Project Proponent shall check the usage of treated wastewater for flushing purposes @ 70% of the total water consumption as pointed out by PPCB.	The fresh and flushing water requirement has been changed calculated according to NBC, 2016. Details are given in the updated conceptual plan which is submitted.	<table border="1"> <tr> <td>Domestic Water Requirement</td> <td>301 KLD</td> </tr> <tr> <td>Fresh</td> <td>162 KLD</td> </tr> <tr> <td>Flushing</td> <td>139 KLD</td> </tr> <tr> <td>Waste water generated [@80% fresh + 100% flushing]</td> <td>130 + 139 = 269 KLD</td> </tr> <tr> <td>STP Capacity</td> <td>325 KLD</td> </tr> </table>			Domestic Water Requirement	301 KLD	Fresh	162 KLD	Flushing	139 KLD	Waste water generated [@80% fresh + 100% flushing]	130 + 139 = 269 KLD	STP Capacity	325 KLD
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4	The project proponent shall provide dedicated space for solid waste management, mechanical composters for management of wet waste & scheme for disposal of non-recyclable fraction for dry waste. The capital & recurring cost earmarked for solid waste management found to be on lower side also needs to be revised.	Layout plan showing location of solid waste management is submitted. The non-recyclable fraction of dry waste will be disposed of through authorized vendors. Revised EMP budget is submitted.													
5	The Project Proponent shall obtain permission for discharging excess treated wastewater into sewer.	Not applicable as whole treated water will be used within project premises for Flushing, Horticulture & HVAC and project will lead to Zero Liquid discharge.													
6	The Project Proponent shall provide specific proposal for carrying out CER activities to the tune of 0.5% of the total project cost on any of the following activities:	We understand that there is a concern of Corporate Environmental Responsibility, however, we would like to inform your good self that the LIC of India, is a Corporation came in-to existence under "The Life Insurance Corporation Act, 1956" enacted by parliament on 26 th June 1956.													

<p>a) In situ Crop residue Management for control of stubble burning</p> <p>b) Rejuvenation of Pond of Village Kumbra, Burail</p> <p>c) Development of Infrastructure for utilization of treated effluent of STP.</p> <p>d) Development of Mini Forests (Nanak Bagichi) in the District</p> <p>e) Alternative to single use plastic.</p>	<p>The copy of gazette notification is submitted.</p> <p>As such LIC of India doesn't come under Company act and also it doesn't generate any profit. Hence CER should not be deterrent for issuing Environmental Clearance.</p>
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The Committee observed that the utilization of excess treated wastewater for HVAC cooling @ 240 KLD will not be required in the winter season. Further, the Committee perused the IS8188:1999 standards required for utilizing the water for HVAC cooling and observed that further treatment of STP treated waste water is required to achieve that standard. The Project Proponent has not provided any technical details for the same. The Committee did not agree with the proposal of the project proponent to reuse the treated waste water for HVAC cooling and asked to revise the same.

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

1. The Project Proponent shall submit the alternate scheme for disposal of the excess treated wastewater.
2. The Project Proponent shall submit the details of CER activities to be undertaken along with the NOC from the different stakeholders.

Item No.245.11: Application for Environmental Clearance for establishment of Residential Mega Township at Village Salamatpur, Dhode Majra, Rasulpur, Saini Majra and Ghandauli in Mullanpur Planning Area, District SAS Nagar (Mohali), Punjab which is to be developed by M/s Greater Punjab Officers Corporative House Building Society and M/s Altus Space Builders Pvt. Ltd. (In Joint Venture). (Proposal no. SIA/PB/NCP/30232/2018).

The Project Proponent was granted Environmental Clearance under EIA notification dated 14.09.2006 vide letter no. SEIAA/2015/175 dated 16.01.2015 for the development of Housing project namely "Residential Mega Township" at Village Salamatpur, Dhode Majra, Rasulpur, Saini Majra, and Ghandauli in Mullanpur Planning area, District SAS Nagar. The total scheme area of the project was 287.90 acres, out of which ned planned area was 204.30 acres.

The Project Proponent was granted Terms of Reference vide letter no. SEIAA/2019/749 dated 22.08.2019 for carrying out EIA study for obtaining Environmental Clearance under EIA notification dated 14.09.2006 for expansion of Residential Mega Township at Village Salamatpur, Dhode Majra, Rasulpur, Saini Majra, and Ghandauli in Mullanpur Planning area, District SAS Nagar, Punjab.

The project proponent has submitted EIA report after incorporating the compliance of Terms of Reference along with other relevant documents. The project is covered under category 8(b) of the schedule appended with the EIA Notification dated 14th September, 2006. The Project Proponent has submitted a copy of certified compliance report of the conditions imposed in the earlier Environmental Clearance granted to the promoter company.

The project proponent has submitted application Form, EIA Report and other additional documents on online portal. The projected built up area proposed for the project is 2156924.03 sqm. The processing fee of Rs. 21,56,924.03/- (Rs. 4,80,870/- has been paid vide UTR No. HDFCR520220465765765451 dated 04.05.2022, fees amounting Rs. 10,76,056.03/- has been deposited through RTGS vide UTR No. HDFCR52022090894361325 dated 08.09.2022 and balance fees amounting Rs. 6,00,000/-has been paid vide UTR No. PUNBR52022090816184274 dated 08.09.2022). The adequacy of the fee has been checked & verified by the supporting staff of SEIAA.

Punjab Pollution Control Board vide letter no. 7681 dated 21.12.2022 has sent the latest construction status report with details as under:

"Accordingly, the site was visited by the officer of the Board on 16.12.2022 and it was observed as under:

Sr.No.	Report of point sought by SEIAA	Remarks
1.	Construction status of the proposal	<ol style="list-style-type: none"> 1. The proposed site is located on both side of PR-4 Road leading from Maloa to Boothgarh in the revenue estate of above said villages, Tehsil Kharar, Distt. SAS Nagar 2. The GPS coordinates of the site are 30 '48'15"N and 76'43'07"E. 3. The entire project is divided into 06 pockets of containing 2182 plots. The individual have constructed approx. 170. Out of which, 26 families are residing in the residential towership. The project proponent has laid down sewer line /electricity in extension part of pocket-E. During visit, 7-8 kothi have been constructed in extension part of pocket-E. 4. The effluent generated from the 26 houses is being discharge into sewer line but still the effluent is not reached the STP collection tank. 5. The project proponent has installed STP @ 200 KLD in pocket-C. STP was not in working condition.
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 sheller/stone crusher/ hot mix plant/ brick kiln exit within 500 mtr from the proposed site. 2. There is no jaggery, petroleum outlet exits within 100 mtr of the site. 3. There is seasonal drain/nallah/ choe exist adjoining the site. 4. There is no eco-sensitive structure within 500 mtr of the site.
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.

As mentioned above, the project proponent has started construction work without obtaining the environmental clearance, as such the project proponent has not comply with the Office Memorandum F.no. 22-21/2022-IA.iii dated 7/7/2022 issued by MoEF&CC."

Deliberations during 235th meeting of SEAC held on 24.12.2022.

The case was considered by the following:

- (i) Mr. Jaswinder Singh, Authorized Signatory M/s Altus Space Builders Pvt. Ltd..
- (ii) Mrs. Simranjit Kaur, EIA Coordinator, M/s Eco laboratories Pvt. Ltd.
- (iii) Mrs. Jyoti Rani, EIA Coordinator, M/s Eco laboratories Pvt. Ltd.

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

Sr. No	Description	Details
1	Basic Details	
1.1	Name of Project & Project Proponent:	The Residential Mega Township by M/s. Greater Punjab Officers Corporative House Building Society and M/s. Altus Space Builders Pvt. Ltd. (In Joint Venture)
1.2	Proposal:	SIA/PB/NCP/30232/2018
1.3	Location of Project:	Village Salamatpur, Dhode Majra, Rasulpur, Saini Majra and Ghandauli in Mullanpur Planning Area, District SAS Nagar (Mohali), Punjab
1.4	Details of Land area & Built up area:	Total scheme area: 396.08 acres Net planned area: 317.52 acres Built- up area: 21,56,924.03 sq.m.
1.5	Category under EIA notification dated 14.09.2006	The project falls under S.No. 8(b) – ‘Township and Area Development’
1.6	Cost of the project	Rs. 1028 Crores
2.	Site Suitability Characteristics	
2.1	Whether project is suitable as per the provisions of Master Plan:	Permission for Change of Land Use for the total land area of 392.03 acres (23.75 acres + 54.40 acre + 57.70 acre + 229.77 acre + 26.41 acre) submitted, however, total land area of 396 acres has been proposed for grant of Environmental Clearance. The Project Proponent needs to submit the permission for CLU for remaining 3.97 acre land area.
2.2	Whether supporting document submitted in favour of statement at 2.1, details thereof: (CLU/building plan approval status)	As per the Master Plan of New Chandigarh, project site falls under residential zone.
3	Forest, Wildlife and Green Area	

3.1	Whether the project required clearance under the provisions of Forest Conservations Act 1980 or not:	No, the project does not involve any forest land. NOC in this regard submitted.																								
3.2	Whether the project required clearance under the provisions of Punjab Land Preservation Act (PLPA), 1900.	No, the Project is not covered under PLPA, 1900.																								
3.3	Whether project required clearance under the provisions of Wildlife Protection Act 1972 or not:	Yes. City Bird Sanctuary is located at 149pprox.. 10 km; SE & Sukhna Wildlife Sanctuary at 149pprox.. 8 km; NE from the project location. Thus, NBWL clearance is required for eco-sensitive zone of Sukhna Wildlife sanctuary. Application has been filed to obtain NBWL Clearance.																								
3.4	Whether the project falls within the influence of Eco-Sensitive Zone or not.	Yes Project falls in eco-sensitive zone of Sukhna Wildlife Sanctuary.																								
3.5	Green area requirement and proposed No. of trees:	Total green area: 77,294.96 sq.m. Proposed trees to be planted: 20,040 nos.																								
4.	Configuration & Population																									
4.1	Proposal & Configuration	<p>The project comprises of total scheme area of 396.08 acres and net planned area of 317.52 acres. The details are as under:</p> <table border="1"> <thead> <tr> <th>Sr. No.</th> <th>Description</th> <th>Area (in acres)</th> <th>Net Planning Area (in %)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Area under Residential Development</td> <td>138.37</td> <td>43.58</td> </tr> <tr> <td>2</td> <td>Group Housing</td> <td>8.27</td> <td>2.6</td> </tr> <tr> <td>3</td> <td>Area under Commercial Development</td> <td>15.82</td> <td>5</td> </tr> <tr> <td>4</td> <td>Area under Parks</td> <td>19.10</td> <td>6.02</td> </tr> <tr> <td>5</td> <td>Area under Public Buildings</td> <td>24.76</td> <td>7.79</td> </tr> </tbody> </table>	Sr. No.	Description	Area (in acres)	Net Planning Area (in %)	1	Area under Residential Development	138.37	43.58	2	Group Housing	8.27	2.6	3	Area under Commercial Development	15.82	5	4	Area under Parks	19.10	6.02	5	Area under Public Buildings	24.76	7.79
Sr. No.	Description	Area (in acres)	Net Planning Area (in %)																							
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4	Area under Parks	19.10	6.02																							
5	Area under Public Buildings	24.76	7.79																							

	6	Area under Roads, Pavements, open	111.20	35.01
		Total	317.52	100

*The details are as per the layout plan approved on 28.03.2018 from Chief Town Planner, Punjab.

4.2 Area details as per Environmental Clearance and after expansion:

Sl. No.	Description	EC Accorded		Proposed	Total (After Expansion)	
		Area (in sq.m.)	Area (in acres)	Area (in acres)	Area (in sq.m.)	Area (in acres)
1	Total Plot Area (Scheme Area)	11,65,089.96	287.9	108.18	16,02,880.31	396.08
2	Area Under EWS	64,304.55	15.89	3.98	80,411.1082	19.87 (@ 5.02%)
3	Area under Govt. Acquisition	24604.9	6.08	4.22	7,527.16	1.86
4	Area under Revenue Rasta	21084.12	5.21	2.77	32,293.94	7.98
5	Area under Sector Road	83203.40	20.56	1.48	89,192.79	22.04
6	Reserved Area	146213	36.13	-9.32	1,08,496.32	26.81
7	Net Planned Area [1-(2+3+4+5+6)]	8,26,772.76	204.03	113.49	12,84,958.98	317.52
8	Area Under Residential	3,93,880.53	97.33	41.04	5,59,964.02	138.37
9	Area Under Commercial	42,977.61	10.62	5.2	64,021.32	15.82 (@ 5%)

10	Area under Amenities / Public Buildings	43,989.33	10.87	13.89	1,00,200.25	24.76
11	Area under Group Housing	20,719.92	5.12	3.15	33,467.53	8.27
12	Total Saleable Area (incl. EWS) (2+8+9+11)	--	-	-	7,37,863.98	182.33 (@ 54.04%)
13	Area under Parks	49,695.39	12.27	6.83	77,294.96	19.10
14	Area under roads, paved open spaces	83,203.37	20.56	90.64	4,50,010.43	111.2

4.3 **Population details**

Sl. No.	Description	Norms	EC Accorded		Proposed	Total (After Expansion)	
			Total Plots / Area	No. of Persons	No. of Persons	Total Plots / Area	No. of Persons
8.	Residential Plotted Development	15 persons per plot	1,202 Plots	18,030	14,685	2,181 Plots	32,715
9.	Group Housing	450 persons per acre	5.12 acres	2,304	1,418	8.27 acres	3,722
10.	Commercial	100 persons per acre	10.62 acres	1,062	520	15.82 acres	1,582
11.	Amenities	100 persons per acre	10.87 acres	1,087	1,389	24.76 acres	2,476

	12.	EWS	400 persons per acre	15.89 acres	6,356	1,592	19.87 acres	7,948
Total					28,839 Persons	19,604 Persons		48,443 Persons
5	Water							
5.1	Water details after expansion:							
EC Accorded and Total (After Expansion)								
	Sl. No.	Description	EC Accorded	Proposed	Total (After Expansion)			
	1.	Total Water Demand	4,100 KLD	2,075 KLD	6175 KLD			
	2.	Fresh Water Demand	3,032 KLD	1,065 KLD	4097 KLD			
	3.	Wastewater generated	3,280 KLD	2054 KLD	5,334 KLD			
	4.	STP capacity	STP of 3.5 MLD capacity	Additional STP of 2.5 MLD capacity	Proposed overall STP of 6 MLD capacity			
	Sl. No	Description	Flushing Water Requirement (lpcd)	Total (After Expansion)				
				Population	Total Water Requirement			
	1.	Floating population	20	4,058	183 KLD			
	2.	Residential Population	45	44,385	5992 KLD			
Total					6175 KLD			

	Total water req. (@ 135 lpcd for residential & @ 45 lpcd for floating)		6,175 KLD
	Flushing water req. (@ 45 lpcd for residential & 20 lpcd for floating)		2,078 KLD
	Flow to sewer (@ 80%)		4,940 KLD
	Treated water (@ 98%)		4841 KLD
	Green area req.	19.1 acres (77,295 sq.m.)	
	• Summer (@ 5.5 lt./m²/day)		425 KLD
	• Winter (@ 1.8 lt./m²/day)		139 KLD
	• Monsoon (@ 0.5 lt./m²/day)		39 KLD
5.1	Total fresh water requirement:	4097 KLD	
5.2	Source:	Borewell	
5.3	Whether Permission obtained for abstraction/supply of the fresh water from the Competent Authority (Y/N) <i>Details thereof</i>	No. Application has been filed to PWRDA for obtaining permission for the abstraction of groundwater for quantity of 4097 KLD through bore well.	
5.4	Total wastewater generation:	4940 KLD	
5.5	Treatment methodology: <i>(STP capacity, technology & components)</i>	4940 KLD of sewage will be generated from the project which will be treated in proposed STP of 6 MLD capacity based on MBBR Technology.	
5.6	Treated wastewater for flushing purpose:	2078 KLD	
5.7	Utilization/Disposal of excess treated wastewater.	Excess treated water will be disposed of to GMADA sewer	
5.8	Cumulative Details:		

	Sr. No.	Total water Requirement	Total wastewater generated	Treated wastewater	Flushing water requirement	Green area requirement (77,295 sqm)	Into sewer
	1.	6175 KLD	4940 KLD	4841 KLD	2078 KLD	Summer: 425 KLD Winter: 139 KLD Monsoon: 39 KLD	Summer: 2338 KLD Winter: 2624 KLD Monsoon: 3110 KLD
5.10	Rain water harvesting proposal:	Total 192 Recharge Pits i.e. 155 pits by individual plot owners and 37 recharge pits by developer.					
6	Air						
6.1	Details of Air Polluting machinery:	5 DG sets of 120 kVA capacity 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	18.56 MT/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	10 Mechanical composters of 1000 kg, 1 of 200 kg and 1 of 150 kg capacity will be installed within the project premises.					

7.5	Details of management of Hazardous Waste.	Hazardous Waste will be managed & disposed off to authorized vendors as per the Hazardous & Other Wastes (Management & Transboundary Movement) Rules, 2016 and its amendments.	
8	Energy Saving & EMP		
8.1	Power Consumption:	Total power demand for the proposed project will be 10,000 KW which will be provided by Punjab State Power Corporation Limited (PSPCL).	
8.2	Energy saving measures:	Use of LEDs is proposed in all common areas.	
8.3	Details of activities under Environment Management Plan		
	<u>Construction phase</u>		
	Description	Capital Rs. Lakhs	Recurring Cost Rs. Lakhs/annum
	Waste Water Management STP of 6 MLD (in modules) MBBR, UF	500	7
	Air & Noise Pollution Management: (Tarpaulin sheets, Acoustics enclosures for DG sets)	50	2
	Landscaping	25	5
	Rainwater Recharging (37 pits)	60	10
	Environmental Monitoring	4	4
	Solid Waste Management (including 10 composters of size 1000 kg, 1 of 200 kg and 1 of 150 kg)	350	5
	Energy Conservation Measures (Solar lighting, CFL)	40	1
	TOTAL	Rs. 1029 Lakhs	Rs. 34 Lakhs/annum
	<u>Operational phase</u>		
	Description	Recurring Cost (Rs. In Lakhs/annum)	

Waste Water Management STP of 6 MLD (in modules) MBBR, UF	20
Air & Noise Pollution Management	5
Landscaping	21 (for 3 years)
Rainwater Recharging (37 pits)	10
Environmental Monitoring	4
Solid Waste Management (including 10 composters of size 1000 kg, 1 of 200 kg and 1 of 150 kg)	10
Energy Conservation Measures (Solar lighting, CFL)	5
Miscellaneous	2
TOTAL	Rs. 77 Lakhs/annum

8.4 **CER details:**

S. No.	Activities	Fund allocated (Lakhs)	Timeline	
			Start	Completed
1.	Maintenance of School Building, Construction of Toilets, Solar panels, furnitures, electronics devices and installation of RO system at Govt. Middle School, Dhode Majra.	130	After grant of EC	5 Years
2.	Adoption of Pond in Village Dhodemajra and its maintenance	60	After grant of EC	5 Years
3.	Health Facilities like provision of ambulance, wheel chairs and health checkup camps in nearby villages	40	After grant of EC	5 Years
4.	Installation of solar lights in Village of Salamtpur	10	After grant of EC	5 Years

	5.	Promoting tree plantation & maintenance and social awareness program in nearby surrounding areas	17	After grant of EC	5 Years
		Total	257		

During meeting, the Project Proponent apprised the Committee that the promoter company has already carried out construction in the land area wherein, the expansion is proposed to be carried out. As such, the project attracts the provisions of the violations under the EIA notification dated 14.09.2006. The Committee asked the Project Proponent to immediately stop the construction activity and submit the details of the construction activity already carried out in the proposed expansion project along with its timelines. The Project Proponent agreed to the same.

The Committee further observed that the Project Proponent has not submitted the component wise details of the land area, built up area, population, water requirement, green water requirement, etc as per the earlier Environmental Clearance granted to the promoter company viz-a-viz expansion proposal. The Project Proponent assured the Committee that the said details shall be provided before the next meeting of SEAC.

The Committee further observed that the Project Proponent has neither obtained permission for abstraction of ground water from PWRDA, nor submitted any details pertaining to the management and disposal of 18.56 MT/day of solid waste generation from the project. Further, no specific details and NOCs from the respective stakeholder have been provided for carrying out the CER activities.

The Committee decided that being violation case, SEIAA may be requested to write to PPCB to take action under Section 15 read with Section 19 of The Environmental (Protection) Act, 1986 to initiate prosecution against the promoter company, as per the Standard Operating Procedure (SoP) laid down by MoEF&CC vide OM dated 07.07.2021 for identification and handling of violations cases under EIA notification 2006.

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

- (i) The Project Proponent shall stop the construction activity in the expansion proposal with immediate effect and submit a self- declaration in this regard.
- (ii) The Project Proponent shall provide the details of the construction activity already carried out in the expansion proposal along with its timelines.

- (iii) The Project Proponent shall submit the component wise details of the total land area, total built up area, population, water requirement, flushing requirement, water requirements for green area etc as per the earlier Environmental Clearance granted to the promoter company viz-a-viz expansion proposal.
- (iv) The Project Proponent shall submit the permission for abstraction of ground water from PWRDA.
- (v) The Project Proponent shall submit the acknowledgement of the application submitted to NBWL for obtaining clearance under the provisions of the Wildlife Protection Act, 1972.
- (vi) The Project Proponent shall submit the detailed proposal for management & disposal of Solid Waste @ 18.56 MT/day and also earmark dedicated space for Solid Waste Management, in compliance to the Solid Waste Management Rules 2016
- (vii) The project proponent has submitted the permission for Change of Land Use (CLU) for the total land area of 392.03 acres against the total land area of 396 acres after expansion. The Project Proponent shall submit the permission for CLU for remaining 3.97 acres of land area.
- (viii) The Project Proponent shall submit the revised CER activities along with NOC from different stakeholders.
- (ix) The Project Proponent shall submit the self-declaration that the proposed project does not involve any forest area, PLPA land and Wildlife Sanctuary area.

Deliberations during 245th meeting of SEAC held on 24.04.2023.

The meeting was attended by the following:

- (i) Mr. Jaswinder Singh, Director M/s Altus Space Builders Pvt. Ltd..
- (ii) Mrs. Simranjit Kaur, EIA Coordinator, M/s Eco laboratories Pvt. Ltd.
- (iii) Mrs. Jyoti Rani, EIA Coordinator, M/s Eco laboratories Pvt. Ltd.

SEAC allowed the Environmental Consultant of the project proponent to present the reply of the aforementioned observations. Thereafter, the Environmental Consultant presented reply as under:

S. No.	ADS Queries	Reply

1.	The Project Proponent shall stop the construction activity in the expansion proposal with immediate effect and submit a self- declaration in this regard.	Construction activities in the expansion part were initiated in mid-April, 2021 and continued till mid-September, 2021. After that no construction has been done in the expansion part and presently also no construction activity is being carried out at the site. Undertaking regarding the same submitted.
2.	The Project Proponent shall provide the details of the construction activity already carried out in the expansion proposal along with its timelines.	Road base construction in approximately 17000 sq.m. of area in the expansion part has been done over a period of 5 months i.e. mid-April, 2021 to mid-September, 2021.
3.	The Project Proponent shall submit the component wise details of the total land area, total built up area, population, water requirement, flushing requirement, water requirements for green area etc. as per the earlier Environmental Clearance granted to the promoter company viz-a-viz expansion proposal.	Comparison chart for all the components submitted.
4.	The Project Proponent shall submit the permission for abstraction of ground water from PWRDA.	The application to obtain the permission for abstraction of ground water from PWRDA has been submitted.
5.	The Project Proponent shall submit the acknowledgement of the application submitted to NBWL for obtaining clearance under the provisions of the Wildlife Protection Act , 1972.	The application has been submitted to NBWL for obtaining clearance under the provisions of the Wildlife Protection Act, 1972.
6.	The Project Proponent shall submit the detailed proposal for management & disposal of Solid Waste @ 18.56 MT/day and also earmark dedicated space for Solid Waste Management, in compliance to the Solid Waste Management Rules 2016.	The detailed proposal for management & disposal of Solid Waste in compliance with the Solid Waste Management Rules 2016 submitted.

7.	The project proponent has submitted the permission for Change of Land Use (CLU) for the total land area of 392.03 acres against the total land area of 396 acres after expansion. The Project Proponent shall submit the permission for CLU for remaining 3.97 acres of land area.	Additional CLU has been obtained for an area of 61.13 Acres. Copy of same submitted.
8.	The Project Proponent shall submit the revised CER activities along with NOC from different stakeholders.	The detailed proposal for CER activities along with NOC submitted.
9.	The Project Proponent shall submit the self-declaration that the proposed project does not involve any forest area, PLPA land and Wildlife Sanctuary area.	Self-declaration stating that the proposed project does not involve any forest area, PLPA land and Wildlife Sanctuary area submitted.

The Committee observed that Member Secretary SEAC vide letter no. 13 dated 05.01.2023 requested SEIAA to write to PPCB to take action under Section 15 read with Section 19 of the Environmental (Protection) Act, 1986 to initiate prosecution against the promoter company, as per the Standard Operating Procedure (SoP) laid down by MoEF&CC vide OM dated 07.07.2021 for identification and handling of violations cases under EIA notification 2006. However, no report in this regard has been received from SEIAA.

The Committee observed that the Project Proponent was issued Terms of Reference vide letter no. SEIAA/2019/749 dated 22.08.2019 with the following conditions besides other conditions:

- (i) Special condition: - Northern Regional Office, MoEF&CC, Chandigarh has yet not verified the compliance of conditions of earlier EC granted to the project. Thus, the observations to be made by MoEF&CC w.r.t compliances of previous EC, will be considered as additional ToRs for the expansion project. Further, the application for grant of EC for the expansion project will be considered only after the confirmation of the compliance of conditions of EC of the existing project.
- (ii) Additional ToR:- The Project Proponent shall re-work on the proposal to install STP considering waste water generation 80% of the total water consumption @ 200 LPCD on module basis so as to effectively handle the waste water as per generation from the society.

In compliance of the above, the Committee observed that MoEF&CC is yet to submit the certified compliance report. Further, the Project Proponent has submitted the proposal by considering the

water consumption @ 135 LPCD against ToR condition of @ 200 LPCD. The Project Proponent agreed to revise the same.

The Committee perused the ADS reply submitted by the Project Proponent and found it incomplete w.r.t point no. 2, 6 & 8. The Project Proponent in the ADS reply of point no. 2 has not provided the details of road base construction carried out in the 17000 sq. m. area in the expansion part. Further the Project Proponent in the ADS reply of the point no. 6 has not provided the land area required for solid waste management along with the details of various components such as storage area for organic & inorganic waste, composters, material recovery facility etc., agreement with the municipal authority for the disposal of inert waste. Further, the Project Proponent in the ADS reply of point no. 8 has provided repair of school roof, fixing of tiles on roof, furniture for anganwari workers etc. under CER activities which does not cover under environmental protection activities.

The Committee further perused the damage assessment, remediation plan and natural resource augmentation plan submitted by the Project Proponent and observed that the same is prepared without taking into account the No. of days of violation. No remediation measures have been proposed as the same has been mentioned as "Not Applicable". Proposal regarding submission of penalty amount to be deposited also not submitted. The Committee observed that the Damage Assessment Plan, Remediation Plan & Natural Resource Augmentation Plan was not in consonance with the Standard Operating Procedure as laid down by MoEF&CC vide Office Memorandum dated 7.07.2021 for identification and handling of violation cases.

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

- (i) The Project Proponent shall submit the certified compliance report from MoEF&CC, in compliance to the special condition mentioned in the letter No. SEIAA/2019/749 dated 22.08.2019. Further, the Project Proponent shall submit the pointwise reply of the observations raised by MoEF&CC in their certified compliance report.
- (ii) The Project Proponent shall submit the revised calculation by considering the water consumption @ 200 LPCD, in compliance of additional ToR issued vide letter No. SEIAA/2019/749 dated 22.08.2019. Accordingly, the Project Proponent shall submit the revised permission from GMADA for discharging excess treated wastewater.
- (iii) The Project Proponent shall submit the details of road base construction carried out in the 17000 sq. m. area in the expansion part.
- (iv) The Project Proponent shall submit the land area required for solid waste management along with the details of various components such as storage area for organic & inorganic waste, composters, material recovery facility etc.
- (v) The Project Proponent shall submit agreement with the municipal authority for the disposal of inert waste.

- (vi) The Project Proponent shall submit the revised CER activities along with the NOCs from the concerned stakeholders.
- (vii) The Project Proponent shall submit the revised details of the Damage Assessment, Remediation Plan & Natural Resource Augmentation Plan.
- (viii) The Project Proponent shall submit the layout plan by superimposing the land area for which Environmental Clearance had been granted and proposed land area for which EC has been sought.

Item No. 245.12: Application for obtaining Terms of Reference under EIA notification dated 14.09.2006 for “Dayanand Medical College & Hospital” located at Civil lines, Tagore Nagar, Ludhiana, Punjab by M/s Dayanand Medical College & Hospital Managing Society (Proposal No. SIA/PB/INFRA2/423748/2023).

The Committee observed that the Project Proponent vide e-mail dated 21.04.2023 requested as under:

“It is humbly submitted that due to sadly demise of my mother I will not be in a position to attend the scheduled meeting on Monday and no other senior member is aware regarding the case. It is requested to kindly give us another opportunity to attend the meeting after 15 days so that I will be back to my office after completing rituals. Hope my request will be considered.”

In light of the request made by the Project Proponent, the Committee decided to defer the case.