

Proceedings of 228th meeting of State Expert Appraisal Committee (SEAC) held on 05.09.2022 (Monday) at 11:00 AM in the Conference Hall no. 2 MGSIPA Complex, Sector-26, Chandigarh.

The 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. Anil Kumar Gupta	Member
4.	Sh. Parminder Singh Bhogal	Member

Item No. 01: Confirmation of the proceedings of 227th meeting of State Level Expert Appraisal Committee held on 22.08.2022.

The proceedings of 227th meeting of State Level Expert Appraisal Committee held on 22.08.2022 were prepared and circulated through email on 23.08.2022. No comments received were received from any of the Members. Therefore, SEAC confirmed the same.

Item No. 02: Action taken on the proceedings of the 227th meeting of State Level Expert Appraisal Committee held on 22.08.2022.

The action taken on the decisions of 227th meeting of State Level Expert Appraisal Committee held on 22.08.2022 has been completed. SEAC noted the same.

Item No. 228.01: Application for Environmental Clearance under EIA notification dated 14.09.2006 for the establishment of Commercial Project namely “Fintech Square” at CP-2 Industrial Focal Point, Phase-8A, Sector-75, District SAS Nagar, Punjab by M/s VRS Infrastructure (Proposal No. SIA/PB/MIS/284629/2022).

The Project Proponent has submitted an application under EIA notification dated 14.09.2006 for the establishment of Commercial Project namely “**Fintech Square**” at CP-2 Industrial Focal Point, Phase-8A, Sector-75, District SAS Nagar, Punjab, in the total land area of 7998.86 sqm having built up area 45361.80 sqm. The Project is covered under Activity 8(a) & Category ‘B2’ as per EIA notification-2006.

The project proponent submitted the Form I, 1A, conceptual plan and other additional documents along with processing fee amounting to Rs. 90,730/- vide UTR No. AXIC221999979366 dated 18.07.2022, as verified by the supporting staff SEIAA.

Punjab Pollution Control Board vide letter no. 5142 dated 25.08.2022 has sent the latest construction status report with details as under:

“The Project site was visited by officer of the Board on 17/08/2022 and it was observed as under:

- 1. No site development work has been started at the site. The project proponent has provided demarcation of the site using tin sheds on 2 side along the boundary. The site is adjoining to “Jublie Clio” site and opposite Radha swami Satsang beas, Sector 76, Mohali*
- 2. The project site is located in Industrial area, Phase VII- A 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 500m from the boundary of the proposed site of the project. No air polluting industry located within 100m of the site. However, air polluting industry M/s Godrej & Boyce Mfg. Co. Ltd., Plot Number: A-40, Phase VIII A Industrial Area, SAS Nagar is located at a distance of 250-300 m approx.. from the project site and M/s Sun Pharmaceutical Industries Ltd., SEZ Unit-1, Plot A-41, Industrial Area, Phase- VIII-A, SAS Nagar is located at a distance of 400m approx. from the project site. Therefore, the site of the project is conforming to the sitting guidelines laid down by the Govt. of Punjab, Department of Science Technology & Environment vide order dated 25.07.2008 as amended on 30.10.2009.*

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

Deliberations during 228th meeting of SEAC held on 05.09.2022.

The meeting was attended by the following:

- (i) Mr. Vinit Singh, GM-Project, M/s VRS Infrastructure.
- (ii) Mr. Sandeep Garg, 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 features of the project. He, thereafter, presented the case as under:

Sr. No.	Description	Details
1	Basic Details	
1.1	Name of Project	Commercial Project "Fintech Square" at CP-2 Industrial Focal Point, Phase-8A, Sector-75, Mohali (Punjab) by M/s VRS Infrastructures.
1.2	Proposal:	SIA/PB/MIS/284629/2022
1.3	Location of Project:	CP-2 Industrial Focal Point, Phase-8A, Sector-75, Mohali (Punjab).
1.4	Details of Land area & Built up area:	Total plot area: 7,998.86 sq.m. Built up area: 45,361.80 sq.m.
1.5	Category under EIA notification dated 14.09.2006	8 (a)
1.6	Cost of the project	Rs. 186.12 Crores
2.	Site Suitability Characteristics	
2.1	Whether project is suitable as per the provisions of Master Plan:	The project is located in industrial & Warehouse zone as per Master Plan of SAS Nagar.
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 vide No. 37878 dated 16.03.2022 has been issued by PSIEC measuring land area of 9566.67 Sqyard for commercial purpose 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, a self-declaration in this regard submitted by the Project Proponent.
3.2	Whether the project required clearance under the provisions of Punjab Land	Project is not covered under PLPA, 1900.

	Preservation Act (PLPA), 1900.	
3.3	Whether project required clearance under the provisions of Wildlife Protection Act 1972 or not:	Sukhna Wildlife Sanctuary located at a distance from project site is 14.2 Km.
3.4	Distance of the project from the Critically Polluted Area.	The nearest critical polluted area is Ludhiana which is approx. 74 km from project location.
3.5	Whether the project falls within the influence of Eco-Sensitive Zone or not.	No
3.6	Green area requirement and proposed No. of trees:	Total green area: 239.36 sq.m. Proposed trees to be planted: 142 trees
4.	Configuration & Population	
4.1	Built up area details:	

Floor	Type of Unit	No. of Unit	Total Built-up Area in Sqm
Basement 1	-	-	6,793.89
Basement 2	-	-	6,793.89
Ground Floor	SCO	30	3,278.26
Upper Ground Floor	-	-	266.15
First Floor	SCO	30	3,278.26
Second Floor	SCO	30	3,278.26
Third Floor	SCO	30	3,278.26
Fourth Floor	Offices	28	1,862.49
Fifth Floor	Offices	28	2,093.09
Sixth Floor	Offices	28	2,093.09
Seventh Floor	Kiosk Business Spaces	10 6	2,093.09
Eighth Floor	Service Floor	-	1,862.49
Ninth Floor	Offices	28	2,093.09
Tenth Floor	Offices	28	2,093.09
Eleventh Floor	Offices	28	2,093.09
Twelfth Floor	Business Spaces	2	1,862.49
Mumty	-	-	248.81
			45,361.8

4.2

Population details:

S. No.	Description	Area (in sq. m.)	Criteria	No. of Persons
1	Ground Floor (SCO)	2911.21	3 sq.m. /person	970
2	Upper Ground Floor (SCO)	210.60	6 sq.m. /person	35
3.	1 st Floor (SCO)	2900.66	6 sq.m. /person	483
4.	2 nd Floor (SCO)	2900.66	6 sq.m. /person	483
5.	3 rd Floor (SCO)	2900.66	6 sq.m. /person	483
6.	4 th Floor (Offices)	1549.78	10 sq.m. /person	155
7.	5 th Floor (Offices)	1549.78	10 sq.m. /person	155
8.	6 th Floor (Offices)	1549.78	10 sq.m. /person	155
9.	7th Floor <ul style="list-style-type: none"> • Food Court • Business Area 	<ul style="list-style-type: none"> • 472.24 • 1,112.77 	<ul style="list-style-type: none"> • 1.8 sq.m./person • 10 sq.m. /person 	<ul style="list-style-type: none"> • 262 • 111
11.	9 th Floor (Offices)	1549.78	10 sq.m. /person	155

	12.	10 th Floor (Offices)	1549.78	10 sq.m. /person	155
	13.	11 th Floor (Offices)	1549.78	10 sq.m. /person	155
	14.	12 th Floor (Business Spaces)	1639.38	10 sq.m. /person	164
	Total Estimated Population				3,921
5	Water				
5.1	Total fresh water requirement:		98 KLD		
5.2	Source:		MC Supply		
5.3	Whether Permission obtained for abstraction/supply of the fresh water from the Competent Authority (Y/N) <i>Details thereof</i>		Water supply will be provided through MC supply as per the letter issued by PSIEC. Letter from PSIEC submitted with the application. Further, the letter has been obtained from MC, SAS Nagar for clarification regarding services connected to site CP-2 Industrial Focal Point, Phase-8A, Sector-75, Mohali (Punjab).		
5.4	Total wastewater generation:		139 KLD		
5.5	Treatment methodology: <i>(STP capacity, technology & components)</i>		139 KLD of sewage will be generated from the project which will be treated in proposed STP of 175 KLD capacity.		
5.6	Treated wastewater for flushing purpose:		136 KLD		
5.7	Treated wastewater for green area in summer, winter and rainy season:		Summer: 1 KLD Winter: 0.5 KLD Monsoon: 0.1 KLD		
5.8	Utilization/Disposal of excess treated wastewater.		<p>Excess treated wastewater will be disposed of in to MC Sewer. The Project Proponent submitted a copy of letter issued by MC SAS Nagar vide letter no. 666 dated 26.07.2022, wherein it has been mentioned as under:</p> <p>ਉਪਰੋਕਤ ਵਿਸ਼ੇ ਹਵਾਲੇ ਅਧੀਨ ਪੱਤਰ ਸੰਬੰਧੀ ਦੱਸਿਆ ਜਾਦਾ ਹੈ ਕਿ ਆਪ ਵੱਲੋਂ ਸਾਈਟ ਨੰ CP2, Industrial focal point phase 8, SAS Nagar ਦੀ ਸਾਈਟ ਲਈ ਜਦੋਂ ਵੀ ਵਾਟਰ ਸਪਲਾਈ, ਸੀਵਰੇਜ ਅਤੇ ਸਟਾਰਮ ਕੰਨੈਕਸ਼ਨ ਦੀ ਮੰਗ ਕੀਤੀ ਜਾਵੇਗੀ ਤਾਂ ਨਗਰ ਨਿਗਮ ਵੱਲੋਂ ਬਣਦੀ ਫੀਸ ਜਮਾਂ ਕਰਾਉਣ ਉਪਰੰਤ ਉਕਤ ਸਾਈਟ ਲਈ ਕੁਨੈਕਸ਼ਨ ਮੁਹੱਈਆ ਕਰਵਾ ਦਿਤਾ ਜਾਵੇਗਾ।</p>		
5.9	Cumulative Details:				

	Sr. No.	Total water Requirement	Total wastewater generated	Treated wastewater	Flushing water requirement	Green area requirement	Into sewer
	1.	174 KLD	139 KLD	136 KLD	76 KLD	Summer: 1 KLD Winter: 0.5 KLD Monsoon: 0.1 KLD	Summer: 59 KLD Winter: 59.5 KLD Monsoon : 59.9 KLD
5.1	Rain water harvesting proposal:		3 Rain water recharging pits have been proposed for artificial rain water recharging within the project premises. Layout showing 3 rain water recharging pits is enclosed along with application.				
6	Air						
6.1	Details of Air Polluting machinery:		3 DG sets of capacity 2×750 KVA & 1×500 KVA each.				
6.2	Measures to be adopted to contain particulate emission/Air Pollution		DG sets will be equipped with acoustic enclosure to minimize noise generation and adequate stack height for proper dispersion.				
7	Waste Management						
7.1	Total quantity of solid waste generation		837 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		Biodegradable waste will be converted into Manure using 1 Mechanical Composter of 400 kg. Layout plan showing area marked for composter submitted. 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 sold to authorized vendors as per The Hazardous & Other Wastes (Management & Transboundary Movement) Rules, 2016 and its amendments.				
8	Energy Saving & EMP						
8.1	Power Consumption:		Total connected load for the proposed commercial project will be approx.. 3,765.9 KW.				
8.2	Energy saving measures:		Solar panels have been proposed on the roof top of the building. The total area covered by solar panels will be 530 m ² (which is 33% of roof top area i.e. 1,585 m ²) which will generate 50 KW of power generation. Energy will be saved by utilizing LED bulbs in common & street areas & other measures etc.				
8.3	Details of activities under Environment Management Plan is as mentioned below:						

S. No.	Title	Construction Phase		Operation Phase
		Capital Cost (in Lakhs)	Recurring Cost (in Lakhs per Annum)	Recurring Cost (in Lakhs per Annum)
1.	Air Pollution Control (tarpaulin sheets/ barricading, water sprinklers, etc.)	5	0.5	0.5
2.	Water Pollution Control (STP of Capacity 175 KLD)	25	2	2
3.	Noise Pollution Control	2	0.5	0.5
4.	Landscaping	2	1	3 (For 3 years)
5.	Solid Waste Management (Mechanical composter of 400 kg)	15	1.5	1
6.	Rain water Recharging (3 pits)	6	1	1
7.	Energy Conservation (LED lights in common areas, solar panels, etc.)	30	2	2
8.	Miscellaneous (Appointment of Consultants & Management of Environment Cell)	9	2	2
Total		94 Lakhs	10.5 Lakhs	12 Lakhs
8.4	CER activities details	Rs. 1.86 Crore i.e. 1% of the total project cost has been reserved for CER activities for development, beautification and maintainace of Center median/side burms/trinagles of 8 differents road and locations as per the suggestions received from MC SAS Nagar.		

The Committee perused the layout plan of the project and observed that the site for the solid waste management has been earmarked at the entry gate no. 2 of the project. The Committee observed that that the site proposed at the entry gate needs to be changed as the processing of solid waste may create odour causing inconvenience to the general public. The Project Proponent agreed to change the location.

The Committee further observed that the Project Proponent has proposed to carryout CER activities for development, beautification & maintainace of Center median/side burms/trinagles of 8 differents

road and locations as per the suggestions received from MC SAS Nagar. The Committee asked the Project Proponent to propose the CER activities out of the following activities:

- a) Development of Mini Forests (Nanak Bagchi), raising of Avenue Plantations and Plantations in public/community areas.
- b) Rejuvenation of Village Ponds.
- c) Development of Infrastructure for utilization of treated effluent of STPs.
- d) Provision of solar panels in the Government / Municipal / other public schools, hospitals and Dispensaries, etc.
- e) Rainwater harvesting in Public Buildings.
- f) Alternatives to Single Use Plastic.
- g) Solid Waste Management
- h) Other activities relating to amelioration of Air, Water and Soil pollution as prescribed in the applicable District Environment Plan (DEP).
- i) Activities as proposed by the Project Proponent / their accredited consultants for the amelioration of Air, Water, and Soil pollution on the basis of field surveys and approved by SEIAA / SEAC.

The Committee further observed the Project Proponent has not submitted calculations pertaining to energy saving measures as per the Bureau of Energy Standards.

The Committee further perused the status report submitted by Punjab Pollution Control Board pertaining to the visit carried out on 17.08.2022 wherein it has been mentioned as under:

“The proposed site is situated within the jurisdiction of GMADA. However, the terminal STP installed in SAS Nagar by GMADA authorities is not adequate to cater the quantity of additional effluent of this project. The upgradation of existing STP installed by GMADA authorities is yet to be made. The project proponent has not submitted the alternate proposal for mode of disposal.”

In this regard, the project proponent apprised the Committee that permission has been issued by MC SAS Nagar vide letter no. 666 dated 26.07.2022 wherein it has been mentioned that as and when the water supply, storm water and sewerage connection is sought by the promoter company, the same will be provided by MC SAS Nagar after deposition of requisite fee.

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

- (i) The Project Proponent shall change the location of the solid waste management site and submit the revised solid waste management layout plan.
- (ii) The Project Proponent shall propose activities under Corporate Environmental Responsibility (CER) by allocating funds up to 1% of the total project cost on the following CER 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.
- (iii) The Project Proponent shall submit the calculations pertaining to energy saving measures as per Bureau of Energy Standards.

Item no. 228.02: Application for Environmental Clearance under EIA notification dated 14.09.2006 for API Manufacturing Industrial Unit by M/s Sun Pharmaceutical Industries Limited, Village Toansa, P.O- Railmajra, Tehsil Balachaur, District SBS Nagar, Punjab. (Proposal No. SIA/PB/IND3/247699/2021).

The industry is an existing pharmaceutical unit and was granted Environmental Clearance by the State Competent Authority vide letter no. CSA/04/R-28/9179 dated 11.10.2004 for the manufacturing of 28 pharmaceutical drugs.

The industry was granted Consent to Operate under the provisions of the Water Act 1974 valid up to 30.09.2022 & Air Act 1981 up to 31.03.2024 for the manufacturing of active pharmaceutical intermediates @ 737.25 TPA.

The industry has applied for obtaining Environmental Clearance under EIA notification dated 14.09.2006 for API Manufacturing Industrial Unit for increase in total production capacity from 737.25 TPA to 1177.884 TPA at Village Toansa, P.O- Railmajra, Tehsil Balachaur, District SBS Nagar, Punjab.

The Project is covered under category 5(f) of the schedule appended with the EIA Notification dated 14.09.2006. In the latest OM dated 16.07.2021 issued by the Ministry of Environment, Forest and Climate Change, it has been mentioned as under:

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

Since, the project has applied for obtaining Environmental Clearance on 28.12.2021, the project can be considered as B2 category project.

The Cost of project for expansion is Rs. 22 Crores and the industry had already deposited Rs. 2,20,000/- vide UTR no. CITIN21292607669 dated 24.12.2021. The adequacy of fee deposited by the Project Proponent has been checked and verified by the supporting staff, SEIAA.

Punjab Pollution Control Board vide letter no. 5019 dated 18.08.2022 has sent the latest construction status report with details as under:

The site of the project was visited by the officer of the Board on 25.05.2022 to verify the facts and the point wise reply/ comments of the Board, to the information sought is as under: -

Sr. No.	Points as desired by EE (SEIAA)	Comments
1.	Construction status of the proposal.	1 The industry has not procured any new land for expansion and the expansion shall be carried out in the existing shed which is not in use. No new construction activity has been carried at the proposed site.
2.	Status of physical structures within 500 m radius of the	1 The industry is an existing unit and adjacent and it on one side is M/s Centrient Pharmaceuticals India Private Limited

	site including the status of industries, if any	(Approx. 200 m). The nearest village to the industry i.e. Village Tonsa is also within a distance of less than 100 m from the boundary wall of the industry. On the third side forest land is there. On the Front side, the National highway is there. Bist Doaba canal is at a distance of 100 ft. from the boundary if the unit, natural drain which carries rain water from the uphill villages is also adjacent to both the units i.e M/s Sun pharmaceutical Industries Limited and M/s Centrient Pharmaceuticals India Private Limited. Further, river Sutlej is at a distance of 2 Kms (crow fly from the unit).
3.	Whether the site meets with the prescribed criteria for setting up of such projects.	There are no specific siting guidelines for such type of units as such general siting guidelines are applicable. The industry is an existing unit and as per Master Plan, Rupnagar the Village Tonsa is covered under industrial zone and some of the area of village Rail Majra is classified as residential area (Low Density) including village Abaddis. No document regarding the classification of the industry, clearly stating about the classification and land use pattern of the existing 81.98 acres of the land. However, the industry has mentioned in its application form that a litigation with the Forest Department is pending in the Hon'ble Punjab and Haryana High Court (CWP18903 of 2015) and the same has not yet been decided. The industry informed that they had received notice from DFO Garshankar in 2006 alleging that the company had violated the provisions of section 1 & 2 of the Forest conservation Act, 1980 and the same has not been sorted till date. Therefore, the suitability of site Cannot be commented as the litigation is pending in the Hon'ble Punjab and Haryana High Court and there is no clarity to the aspect that the entire premises of the industry falls within the Industrial Zone of Master Plan, Rupnagar.

Deliberations during 228th meeting of SEAC held on 05.09.2022.

The meeting was attended by the following:

- (i) Mr. S.K Golla, DGM-EHS, M/s Sun Pharmaceutical Industries Limited.
- (ii) Mr. Sandeep Garg, 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 features of the project. He, thereafter, presented the case as under:

Sr. No.	Description	Details
1	Basic Details	

1.1	Name of Industry & Project Proponent:	M/s Sun Pharmaceutical Industries Limited Mr. Kheemanand Sharma Location Head
1.2	Proposal:	SIA/PB/IND3/247699/2021 Expansion by increasing the total production capacity from 737.25 TPA to 1177.884 TPA.
1.3	Location of Industry:	Village Toansa, P.O-Railmajra, Tehsil Balachaur, Distt. SBS Nagar (Nawanshahr), Punjab.
1.4	Land Area & Built up area:	331771 sq.m & 1,38,057.74 sq.m The expansion is proposed within the existing land area only.
1.5	Category under EIA notification dated 14.09.2006	Category 5(f); as per notification dated 27th March, 2020 and further extension notification dated 16th July, 2021.
1.6	Cost of the project	Total cost after expansion will be Rs. 685.21 Cr out of which Rs. 22 crores is the cost of proposed expansion.
2.	Site Suitability Characteristics	
2.1	Whether site of the industry is suitable as per the provisions of Master Plan:	The site of the industry falls in notified Industrial Zone as per master plan of Roopnagar.
2.2	Whether supporting document submitted in favour of statement at 2.1, details thereof: (CLU/building plan approval status)	Industry is an existing unit and had already been granted Consents under the Provisions of Water Act 1974 & Air Act 1981.
3	Forest, Wildlife and Green Area	
3.1	Whether the industry required clearance under the provisions of Forest Conservation Act 1980 or not:	(i) A copy of the NOC issued by Chief Conservator of Forest; Punjab vide letter no. 12177 dated 04.07.2003 wherein it has been mentioned that no forest area is affected due to setting up of the industrial unit. (ii) Writ Petition has been filed by the industry in the year 2015 at Hon'ble High Court of Punjab & Haryana at Chandigarh against the State's claim to consider the land, where unit is located, as a forest land, requiring clearance under Forest Conservation Act, 1980. The plant was established in the year 1985-86 on agricultural land, after obtaining necessary approvals from the concerned authorities including Department of Forest. A self-declaration in this regard has been submitted by the industry.

3.2	Whether industry required clearance under the provisions of Wildlife Protection Act 1972 or not:	No wildlife sanctuary falls within the radius of 10 km from the industry however Ropar wetland is located at a distance of 4 Km from the project site. There is no national park or sanctuary within 10 km of the industry. Thus, no clearance under the provisions of the Wildlife (Protection) Act 1972 is required.																																																																															
3.3	Whether the industry falls within the influence of Eco-Sensitive Zone or not. (Specify the distance from the nearest Eco sensitive zone)	No, the industry does not fall within the influence of Eco-sensitive zone.																																																																															
3.4	Green area requirement and proposed No. of trees:	45% of total area i.e., 151610.44 sqm out of 331771 sqm has been developed under green belt. No. of dominant tree species already existing within the unit is 5209.																																																																															
4.	Product details																																																																																
4.1	The existing production capacity is 737.25 TPA (i) Existing Products Details:																																																																																
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4.	Arterolane Maleate	4.20
5.	Bosentan Monohydrate	3.00
6.	Carbamazepine	125.00
7.	Cilazapril	1.20
8.	Desloratdine	3.48
9.	Donepezil HCl Monohydrate	7.20
10.	Entacavir	0.02
11.	Esomeprazole	25.92
12.	Fluvastatin	11.00
13.	Hydroxynovoldiamine	18.00
14.	Lansoprazole	12.00
15.	Luliconazole	4.80
16.	Olanzapine	1.30
17.	Oxetanone	27.50
18.	Pantaprazole	84.00
19.	Pentazocine	3.50
20.	Pimavanserin	1.68
21.	Ramipril	5.50
22.	Rebeprazole	4.80
23.	Repaglinide	2.16
24.	Rosuvastatin Calcium	14.00
25.	Safinamide	4.80
26.	Sertraline Hydrochloride	150.00
27.	Sildenafil	2.16
28.	Solifenacin Succinate	1.50
29.	Tamsulosin	0.50
30.	Telmisartan	7.20
31.	Tenofovir	110.00
32.	Ticagrelor	12.00
33.	Tigecycline	0.18
34.	Tolvaptan	1.92
35.	Valganciclovir	3.60
36.	Valsartan	5.00
37.	Venlafaxin	5.40
38.	Voglibose	0.08
39.	Meloxicam	3.60
40.	Bempedoic Acid	7.20
41.	Brivaracetam	4.80
42.	Dabigatran Etxilate Mesylate	7.20
43.	Dapagliflozin Propanediol Monohydrate	8.00
44.	Molnupiravir	15.00
45.	Tietinoin Tocoferil	0.06
46.	R&D product	20.00
47.	Hydroxychloroquine Sulphate	7.00

	48.	Roxaustat	3.00
	49.	Vilanterol Trifenatate	0.50
	50.	Lumateperone	1.00
	51.	Nadifloxacin	1.00
	52.	Flupirtine maleate	1.00
	53.	10 MIS	190.00
		Total-B	967.96
After expansion Overall Production capacity will be 1177.884 TPA			
5	Water		
5.1	Total water demand:	1510 KLD	
5.1(a)	Total industrial water demand:	1335 KLD	
		Description	Existing (in KLD)
		After Expansion (in KLD)	
		Boiler	200
		Cooling water	420
		Manufacturing process	200
		Other (back, wash, floor wash, ETP/RO/MEEs/ATFDs washing, wet scrubber, etc.	155
			215
		Total industrial water requirement	975
			1335
5.2(b)	Total domestic water demand:	175 KLD	
5.2	Source:	3 no. of existing Tube wells	
5.3	Whether Permission obtained for abstraction/supply of the fresh water from the Competent Authority (Y/N) Details thereof	(i) Permission for abstraction of 1000 KLD of ground water from PWRDA vide certificate dated 19.04.2022 submitted. (ii) A copy of letter dated 23.12.2010 has been issued by CGWA wherein it has been mentioned that the total water requirement is 1283 KLD in alluvial terrain as such NOC is not required for ground water withdrawal from CGWA.	
5.4	Water demand, Wastewater generation, Treatment methodology for wastewater and its utilization:	(i) The total water requirement of the industry shall be 1510 KLD out of which 1150 KLD shall be met through fresh water supply and remaining 360 KLD shall be met through recycled water. (ii) Out of 1150 KLD of fresh water requirement, 80 KLD shall be utilized for drinking purpose, 95 KLD shall be utilized for domestic requirement, 310 KLD shall be utilized in the process, 250 KLD shall be utilized in the Boiler, 310 KLD shall be utilized	

		<p>for cooling water makeup and 105 KLD shall be utilized for other activities including bag wash, floor wash etc.</p> <p>(iii) The total domestic effluent generation shall be 90 KLD which shall be treated in the STP of capacity 100 KLD. The treated waste water of 85 KLD shall be utilized in the green area of 135310.44 sqm and 16308.83 sqm to developed as per the Karnal Technology.</p> <p>(iv) The HTDS effluent of 70 KLD shall be treated in the MEE of capacity 75 KLD which shall be further treated in ATFD. The residue generated shall be given to TSDF. The MEE condensate of 50 KLD shall be treated in RO.</p> <p>(v) The LTDS effluent of 180 KLD generated from the process, 35 KLD generated from boiler as blow down, 45 KLD as cooling tower blow down, 150 KLD from other activities and 50 KLD from MEE condensate. The entire quantity of 460 KLD shall be treated in the ETP capacity 600 KLD. The treated effluent of 440 KLD shall be passed through UF/RO-1/RO-2.</p> <p>(vi) One of the streams of RO permeate of 360 KLD shall be utilized back into the process and another stream of RO permeate of 60 KLD shall be utilized in the green area of 135310.44 sqm and 16308.83 sqm to develop as per the Karnal Technology. The RO reject of 110 KLD shall be utilized back into the MEE.</p> <p>(vii) In summer season, the total treated effluent proposed to utilized in the green area shall be 145 KLD against the maximum loading capacity of 744 KLD whereas in winter season, the total treated effluent proposed to utilized in the green area shall be 145 KLD against the maximum loading capacity of 244 KLD and in rainy season, the total treated effluent proposed to utilized in the green area shall be 145 KLD against the maximum loading capacity of 67 KLD. Therefore, the industry has proposed to develop the 4 acres (16308.83 sqm) of the land as per Karnal Technology.</p>
5.5	Rain water harvesting proposal:	2 rain water harvesting pits have been provided for groundwater recharging.
6	Air	
6.1	Details of Air Polluting machinery & APCD proposed:	

Sources	Existing	Proposed	Treatment /Management
Boiler	i.5 TPH Furnace Oil based boiler (standby; will be replaced after expansion) ii.12 TPH Furnace Oil based boiler iii.(standby) iv.13 TPH Biomass/ Agriculture waste-based boiler	i. 6 TPH bio briquette-based boiler	i. Cyclone separator followed by Bag filter to be installed with 13 TPH ii. Cyclone separator followed by Bag filter to be installed with proposed boiler of 6 TPH
Incinerator	0.5 TPH	-	Multi Cyclone Separator followed by Packed bed scrubber and Ventury Scrubber.
DG sets	(i) 7*1250 KVA (ii) 1*750 KVA (iii) 1*2270 KVA	(i) 2*1250 KVA	DG set is attached with canopy and a stack of adequate height as per norms and same will be followed after expansion.

7 Waste Management

7.1	Solid waste generation & its management (Mechanical Composter/Compost pits)	Category	Type of Waste	Color of Bins	Disposal Method	Total Waste (Kg/day)
		Bio-Degradable	Organic Waste	Green	The industry will install "Eco-ster-organic waste composter" of 150 kg/day capacity to treat the biodegradable waste.	114
		Non-Biodegradable Domestic solid waste	Recyclable Waste	Blue	Recycler	76
		Recyclable paper waste	Recyclable Waste	Blue	Recyclable paper waste after shredding is being sold to the authorized dealer	600 kg/month (23 kg/day)
		Total				

7.2 Hazardous Waste generation & its management

Sr. No	Category	Components	Unit	Generation		Disposal Method
				Existing	Total after Expansion	

	1	5.1	Spent Oil	T/Annum	25	40	Authorized recycler/Incineration
	2	20.3	Distillation residues	T/Annum	480	720	Incineration / Co-processing
	3	28.1	Process residue & wastes	T/Annum	1200	1500	TSDF/Incineration / Co-processing
	4	28.2	Spent Catalyst	T/Annum	40	60	Authorized Recycler /Co-processing
	5	28.3	Spent Carbon	T/Annum	80	120	TSDF / Co-processing/ Incineration
	6	28.4	Off-specification products	T/Annum	40	60	Incineration / Co-processing
	7	28.5	Date expired, discarded and off specification drugs/medicines	T/Annum	10	15	Incineration / Co-processing
	8	28.6	Spent Solvent	T/Annum	1800	2800	Incineration /Co- processing/ Recycling/ Pre-processing
	9	33.1	Contaminated liners, containers, shoe covers, alum. Foil etc.	T/Annum	100	300	Co-processing/ Authorized recycler
	10	35.3	Chemical Sludge from Waste water treatment	T/Annum	600	1200	TSDF / Co-processing,
	11	36.2	Filter media such as Filter clothes, bags etc.	T/Annum	50	75	Incineration / Co-processing
	12	37.1	Sludge from wet scrubber	T/Annum	35	55	TSDF
	13	37.2	Incinerated ash	T/Annum	50	75	TSDF
8	Energy Saving & EMP						

8.1	Power Consumption:	S. No.	Description	Unit	Existing	Proposed	Total																																										
		1.	Power load	KW	21,491.12	2000	23,491.12																																										
		2.	D.G. Set	KVA	7x1250 KVA, 1x750 KVA and 1x 2270 KVA	2 x 1250 KVA	7x1250 KVA, 1x750 KVA and 1x 2270 KVA, 2 x 1250 KVA																																										
8.2	Energy saving measures:	<ol style="list-style-type: none"> 1. Installation of Pin mill, additional Air compressor will be stopped by running Pin Mill 2. Installation of Pressure Powered Pump Packaging Unit PPPU pumps for steam condensate recovery besides reducing power and wastewater generation. 3. Replacement of old 50 to 100 HP motors with IE3 motors 4. Replacement of HVLP (250+18w) lamp with 45-watt LED Lamps. 5. Replacement of high head centrifugal pump with low head-high flow Axial pump in MEE to save energy 																																															
8.3	<p>(i) Details of activities proposed under Environment Management Plan:</p> <p><u>During Construction Phase</u></p> <table border="1"> <thead> <tr> <th>Sr. No</th> <th>Environmental Protection Measures</th> <th>Capital Cost Rs. (Lakhs)</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Air & Noise Pollution Management (Stacks and Acoustics enclosure for DG set)</td> <td>10.0</td> </tr> <tr> <td>2.</td> <td>Water Pollution Control (ETP, RO, MEE)</td> <td>60.0</td> </tr> <tr> <td>3.</td> <td>Solid Waste Management</td> <td>10</td> </tr> <tr> <td>4.</td> <td>Environment Monitoring & Management</td> <td>1.0</td> </tr> <tr> <td>5.</td> <td>Occupational Health Surveillance</td> <td>20.0</td> </tr> <tr> <td></td> <td>Total</td> <td>101.0</td> </tr> </tbody> </table> <p><u>During Operation Phase</u></p> <table border="1"> <thead> <tr> <th>Sr. No</th> <th>Environmental Protection Measures</th> <th>Recurring Cost Rs. (Lakhs/ annum)</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Air & Noise Pollution Management (Stacks and Acoustics enclosure for DG set and Boiler)</td> <td>2.0</td> </tr> <tr> <td>2.</td> <td>Water Pollution Control (ETP, RO, MEE, ATFD)</td> <td>700.0</td> </tr> <tr> <td>3.</td> <td>Landscaping</td> <td>20.0</td> </tr> <tr> <td>4.</td> <td>Solid & Hazardous Waste Management</td> <td>90.0</td> </tr> <tr> <td>5.</td> <td>Environment Monitoring & Management</td> <td>5.0</td> </tr> <tr> <td>6.</td> <td>Occupational Health Surveillance</td> <td>4.0</td> </tr> </tbody> </table>							Sr. No	Environmental Protection Measures	Capital Cost Rs. (Lakhs)	1.	Air & Noise Pollution Management (Stacks and Acoustics enclosure for DG set)	10.0	2.	Water Pollution Control (ETP, RO, MEE)	60.0	3.	Solid Waste Management	10	4.	Environment Monitoring & Management	1.0	5.	Occupational Health Surveillance	20.0		Total	101.0	Sr. No	Environmental Protection Measures	Recurring Cost Rs. (Lakhs/ annum)	1.	Air & Noise Pollution Management (Stacks and Acoustics enclosure for DG set and Boiler)	2.0	2.	Water Pollution Control (ETP, RO, MEE, ATFD)	700.0	3.	Landscaping	20.0	4.	Solid & Hazardous Waste Management	90.0	5.	Environment Monitoring & Management	5.0	6.	Occupational Health Surveillance	4.0
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7.	Safety training to workers		4.0	
	Total		825	
(ii) Details of activities proposed under Corporate Environment Responsibility:				
S.No.	Activities	Annual Expenditure (in Lakhs)	Timeline	Total Expenditure (in Lakhs)
1.	Drinking Water: Providing potable water to the 240 families of village Toansa through deep bore well established by the company at lower side of vill- Toana and direct supply from the factory premises to upper side of village Toansa. Company is bearing all its maintenance/ operating cost	5	1 year	5
2.	Infrastructural / Health Services: 1. maintaining Subsidiary Health center focal point Toansa and providing required medicines to the people of vill- Toansa/Bholewal & Railmajra. 2. Organizing medical camps on demand to cater medical services to the local communities.	1	1 year	1
3.	Educational Activities: 1. To provide education support to the needy students. 2. To provide required infrastructure in the Govt schools of the area.	2	1 year	2
4.	Social Activities: 1. Company under its social activities providing necessary support to the local communities such as ration items to the needy persons.	0.7	1 year	0.7

	<p>2. Providing of ration items for Langar sewa to the religious / social functions to make better relations with them.</p> <p>3. Providing of fire woods from the company premises on various occasions to the needy people.</p>			
5.	Health Services: (Sun Pharma Community Health Care Society): The activities are a blend of health preventive, promotive and curative components amply supported by field laboratory services.	22	1 year	22
	Total	30.7 lakhs		Rs. 30.7 lakhs

The Committee observed that the industry has already been granted Environmental Clearance from CSA-cum-SAC in 2004 for the manufacturing of 28 pharmaceutical drugs and now, the industry has applied for increase in the total production capacity of active pharmaceutical intermediates from 737.25 TPA to 1177.884 TPA by addition of new pharmaceutical products along with changes in the production capacity of existing pharmaceutical products. The Committee asked the industry to submit the compliance report of the conditions imposed in the Environmental Clearance granted to the industry, to be certified by Punjab Pollution Control Board.

The Committee perused the status report of Punjab Pollution Control Board dated 18.08.2022, wherein, it has been mentioned as under:

“There are no specific siting guidelines for such type of units as such general siting guidelines are applicable. The industry is an existing unit and as per Master Plan, Rupnagar the Village Tonsa is covered under industrial zone and some of the area of village Rail Majra is classified as residential area (Low Density) including village Abaddis. No document regarding the classification of the industry, clearly stating about the classification and land use pattern of the existing 81.98 acres of the land submitted. However, the industry has mentioned in its application form that a litigation with the Forest Department is pending in the Hon’ble Punjab and Haryana High Court (CWP18903of 2015) and the same has not yet been decided. The industry informed that they had received notice from DFO Garshankar in 2006 alleging that

the company had violated the provisions of section 1 & 2 of the Forest conservation Act, 1980 and the same has not been sorted till date. Therefore, the suitability of site Cannot be commented as the litigation is pending in the Hon'ble Punjab and Haryana High Court and there is no clarity to the aspect that the entire premises of the industry falls within the Industrial Zone of Master Plan, Rupnagar".

In this regard, the representative of the industry apprised the Committee that the industry had already been obtained Consents under the provisions of Water Act 1974 & Air Act 1981 and authorization under Hazardous Waste Management Rules 2016. The Committee observed that in the absence of suitability of the site for setting up of such type of units, the application proposal of the industry cannot be considered for further appraisal. The Committee asked the industry to submit the latest status and compliance pertaining to the court case pending in the Hon'ble Punjab & Haryana High Court (CWP 18903/2015).

The Committee observed that the industry has not submitted the basis for estimating the industrial and domestic water demand (component wise) and also the basis for waste water generation (component wise) for boiler blow down, cooling tower blow down, MEE condensate etc., The Committee further perused the water balance of the industry and observed that the industry has proposed to install two MEEs of capacity 75 KLD for the treatment of HTDS effluent and 120 KLD for the treatment of the RO reject respectively. The MEE condensate of quantity 50 KLD generated from MEE (75 KLD capacity) is being sent to ETP for further treatment, whereas, the MEE condensate of 110 KLD generated from MEE (120 KLD) is proposed to be reused in the process. The Committee asked the Project Proponent as to why the one stream of MEE condensate is being treated in ETP and another stream being recycled/re-used. The industry could not submit proper justification in this regard. The Committee asked the industry to submit the basis for estimating the industrial and domestic water demand and waste water generation (component wise) and also the revised water balance by utilizing the entire quantity of MEE condensate in the system.

The Committee observed that the green area mentioned in the synopsis and water balance section of the industry does not match. The Committee asked the industry to rectify the error and submit the exact details of the green area by earmarking in the layout plan.

The Committee observed that the industry has proposed water requirement of 744 KLD for green area in summer season, 244 KLD in winter season and 67 KLD in rainy season. It further proposed that 145 KLD of treated waste water can be reused for green area. Further, the industry has proposed to develop 4 Acre of land as per Karnal Technology to utilize excess quantity of 78 KLD of treated wastewater generated during rainy season.

The Committee observed that the industry has not taken into account the requirement of fresh water for green area while estimating the fresh water demand of 1150 KLD. The Committee observed that 4 acres of the green area to be developed as per Karnal Technology can sustain more than 400 KLD of the treated wastewater against excess quantity of 78 KLD. The Committee asked the industry to check the same and submit the revised proposal.

The Committee further observed that the industry has proposed more than one mode of disposal for different categories of hazardous waste to be generated from the industrial

operations. The Committee asked the industry to submit single mode of disposal for each of the category of hazardous waste generated from the industry.

The Committee observed that the industry is required to allocate funds under the following Corporate Environment Responsibility (CER) activities:

- a) Development of Mini Forests (Nanak Bagchi), raising of Avenue Plantations and Plantations in public/community areas.
- b) Rejuvenation of Village Ponds.
- c) Development of Infrastructure for utilization of treated effluent of STPs.
- d) Provision of solar panels in the Government / Municipal / other public schools, hospitals and Dispensaries, etc.
- e) Rainwater harvesting in Public Buildings.
- f) Alternatives to Single Use Plastic.
- g) Solid Waste Management
- h) Other activities relating to amelioration of Air, Water and Soil pollution as prescribed in the applicable District Environment Plan (DEP).
- i) Activities as proposed by the Project Proponent / their accredited consultants for the amelioration of Air, Water, and Soil pollution on the basis of field surveys and approved by SEIAA / SEAC.

The Committee did not agree with the proposal of the industry to construct Rain Water Harvesting Pits for ground water recharging. The Committee apprehended that the industry shall generate toxic fumes from the process unit and the vapor laden toxic fumes may rest on the roof & surface of the industry which shall eventually enters into ground water through RWH pits. Therefore, the installation of RWH pits may led to contamination of groundwater.

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

- (i) The industry shall submit the compliance report of the conditions mentioned in the Environmental Clearance granted to the industry by the State Competent Authority vide letter no. CSA/04/R-28/9179 dated 11.10.2004 for the manufacturing of 28 pharmaceutical drugs, certified by Punjab Pollution Control Board.
- (ii) The industry shall submit the latest status & compliance pertaining to the court case pending in the Hon'ble Punjab & Haryana High Court (CWP 18903/2015).
- (iii) The industry shall submit the basis for estimating the industrial and domestic water demand and waste water generation (component wise) and also the revised water balance by utilizing the entire quantity of MEE condensate in the system.
- (iv) The industry shall submit the details of green area proposed to be developed as the green area mentioned in the synopsis and water balance section of the industry does not match.
- (v) The industry shall submit the revised calculation for fresh water demand by considering the fresh water requirement for green area in summer and winter season. Further, the industry shall submit the alternate proposal to utilize the balance excess quantity of 78 KLD being generated in rainy season.

- (vi) The industry shall submit single mode of disposal for each of the category of hazardous waste generated from the industry.
- (vii) The industry shall allocate funds up to 1% of the total project cost under the following activities of Corporate Environment Responsibilities:
- 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.
- (viii) The industry shall submit the self-declaration to the effect that it shall not carryout Rain Water Harvesting for ground water recharging.

Item No. 228.03: Application for Terms of References (ToRs) for new Chemical Manufacturing unit at Village Damanheri, Siel Chemical Complex, Tehsil Rajpura, District Patiala, Punjab by M/s Chemoro Industries Limited (Proposal No. SIA/PB/IND3/81592/2022).

The industry has submitted an application under EIA notification dated 14.09.2006 for Issuance of Terms of References (ToRs) for new Chemical Manufacturing unit for production of Chlorinated Paraffin Wax of 38,400 TPA, Hydrochloric Acid of 76,800 TPA, Sodium Hypochlorite of 4000 TPA and Calcium Chloride of 15000 TPA at Village Damanheri, Siel Chemical Complex, Tehsil Rajpura, District Patiala, Punjab. The Project is covered under Activity 5(f) & Category 'B1' as per EIA notification-2006. The industry has mentioned that the General Condition is applicable, however, the same stands un-satisfactory as none of the provisions mentioned under General conditions meet with the requisite parameter.

The industry submitted the Form-I and other additional documents along with processing fee amounting to Rs. 30,000/- vide UTR No. KKBKH22215969523 dated 03.08.2022, as verified by the supporting staff SEIAA.

Deliberations during 228th meeting of SEAC held on 05.09.2022.

The meeting was attended by the following:

- (i) Mrs. Vaishnavi, Director, M/s Chemoro Industries Limited.
- (ii) Sh. Sital Singh, Environmental Consultant, M/s. Chandigarh Pollution Testing Laboratory.
- (iii) Sh. Sandeep Singh, Consultant, M/s. Chandigarh Pollution Testing Laboratory.

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

Sr. No.	Description	Details
1	Basic Details	
1.1	Name of Project & Project Proponent:	Project name:- Proposed Chemical Manufacturing unit namely M/s Chemoro Industries Pvt. Ltd. Name of Project proponent: Miss Vaishnavi (Director)
1.2	Proposal:	SIA/PB/IND3/81592/2022
1.3	Location of Project:	Village- Damanheri, Siel Chemical Complex, Tehsil- Rajpura, District- Patiala, Punjab.
1.4	Details of Land area & Built up area:	Total Site Area= 10918sqm Built-up Area = NA
1.5	Category under EIA notification dated 14.09.2006	The project falls under S.No. 5(f) – Synthetic organic Chemicals industry

1.6	Cost of the project	Rs. 12 Crores
2.	Site Suitability Characteristics	
2.1	Whether project is suitable as per the provisions of Master Plan:	Yes, the site falls in approved existing Industrial premise of SIEL Chemical complex. .
2.2	Whether supporting document submitted in favour of statement at 2.1, details thereof: (CLU/building plan approval status)	<p>The project is located within the chemical manufacturing facility in the industrial estate which is notified as approved industrial area by Govt. of Punjab as per the MoU between GoP and M/s Shree Ram Industrial Enterprises Limited on 14.10.1993. A copy of MoU submitted</p> <p>Now, M/s SIEL has been taken over by M/s Bodal Chemicals. Conveyance deed executed on 07.04.2021 between M/s Bodal Chemical & M/s Mubana Sugar Limited and M/s SIEL Industrial Estate Limited submitted.</p> <p>M/s Bodal Chemicals provided land to M/s Chemoro Industries Limited to setup new chemical manufacturing unit on lease. Lease deed executed on 02.08.2022 for the total land area 2.69 acres at village Damanheri, Tehsil Rajpura, District Patiala submitted, which is valid for 15 years.</p>
3	Forest, Wildlife and Green Area	
3.1	Whether the project required clearance under the provisions of Forest Conservations Act 1980 or not:	No forest land is involved in the project. Undertaking regarding the same is enclosed with the application.
3.2	Whether the project required clearance under the provisions of Punjab Land Preservation Act (PLPA), 1900.	Project is not covered under PLPA Act, 1900.
3.3	Whether project required clearance under the provisions of Wildlife Protection Act 1972 or not:	No wildlife area covered under the provisions of the Wildlife (Protection) Act 1972
3.4	Distance of the project from the Critically Polluted Area.	The nearest critical polluted area is Ludhiana which is approx. 74 km from project location.
3.5	Whether the project falls within the influence of Eco-Sensitive Zone or not.	Not Applicable
3.6	Green area requirement and proposed No. of trees:	Total green area: 3603 sq.m.
4.	Product details	

4.1	Name & Quantity of Product	DESCRIPTION	TOTAL CAPACITY
		PRODUCTION CAPACITY:	
		Chlorinated Paraffin	38,400 TPA
		Hydrochloric Acids	76,800 TPA
		Sodium Hypochlorite	4000 TPA
	Calcium Chloride	15000TPA	
5	Water		
5.1	Total fresh water requirement:	232 KLD	
5.2	Source:	Through Tubewell	
5.3	Whether Permission obtained for abstraction/supply of the fresh water from the Competent Authority (Y/N) <i>Details thereof</i>	No	
5.4	Total wastewater generation:	The proposed project will be based on Zero Liquid Discharge.	
5.5	Treatment methodology: <i>(STP capacity, technology & components)</i>	<ul style="list-style-type: none"> No trade effluents from process shall be generated. The wastewater generated from domestic will be treated through septic tank and used for plantation within premises. The purge water of cooling tower shall be utilized for suppression of dust generated due to movement of trucks. 	
5.6	Cumulative Details:	DESCRIPTION	TOTAL
		Domestic	7.0 KLD
		Cooling (makeup water)	105.0 KLD
		Process	120.0 KLD
		Total	232.0 KLD
6	Air		
6.1	Details of Air Polluting machinery:	D.G. set- 1X250KVA	
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	Energy Saving & EMP		
7.1	Power Consumption:	350 KW and the same shall be met through PSPCL.	

After detailed deliberations, SEAC decided to recommend the case to SEIAA to approve & issue the Terms of Reference (ToR) to the industry M/s Chemoro Industries Limited for new Chemical Manufacturing unit for production of Chlorinated Paraffin Wax of 38,400 TPA, Hydrochloric Acid of 76,800 TPA, Sodium Hypochlorite of 4000 TPA and Calcium Chloride of 15000 TPA at Village Damanheri, Siel Chemical Complex, Tehsil Rajpura, District Patiala, Punjab for preparing Environmental Impact Assessment (EIA) report as required under the EIA notification dated 14.09.2006.

GENERIC CONDITIONS

1) Executive Summary

2) Introduction

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

3) Project Description

- i. Cost of project and time of completion.
- ii. Products with capacities for the proposed project.
- iii. If expansion project, details of existing products with capacities and whether adequate land is available for expansion, reference of earlier EC if any.
- iv. Details of existing products and production, if any, along with present product/production details in tabular format, to verify the compliance of the EIA Notifications.
- v. Details of existing products and production, if any, along with present product/production details in tabular format, to verify the compliance of the EIA Notifications.
- vi. List of raw materials required and their source along with mode of transportation.
- vii. Other chemicals and materials required with quantities and storage capacities
- viii. Details of Emission, effluents, hazardous waste generation and their management.
- ix. Requirement of water, power, with source of supply, status of approval, water balance diagram, man-power requirement (regular and contract)
- x. Details of boiler/gensets (including stacks/exhausts) and fuels to be used
- xi. Details of boiler/gensets (including stacks/exhausts) and fuels to be used
- xii. Process description along with major equipment's and machineries, process flow sheet (quantitative) from raw materials to products to be provided
- xiii. Hazard identification and details of proposed safety systems.
- xiv. Expansion/modernization proposals:

- a. Copy of all the Environmental Clearance(s) including Amendments thereto obtained for the project from MOEF/SEIAA shall be attached as an Annexure. A certified copy of the latest Monitoring Report of the Integrated Regional Office of the Ministry of Environment, Forest and Climate Change as per circular dated 30th May, 2012 on the status of compliance of conditions stipulated in all the existing environmental clearances including Amendments shall be provided. In addition, copy of the latest CTO and status of compliance of Consent to Operate for the ongoing/existing operation of the project from SPCB shall be attached with the EIA-EMP report.
- b. In case the existing project has not obtained environmental clearance, reasons for not taking EC under the provisions of the EIA Notification 1994 and/or EIA Notification 2006 shall be provided. Copies of Consent to Establish/No Objection Certificate and Consent to Operate (in case of units operating prior to EIA Notification 2006, CTE and CTO of FY 2005-2006) obtained from the SPCB shall be submitted. Further, compliance report to the conditions of consents from the SPCB shall be submitted.

4) Site Details

- i. Location of the project site covering village, Taluka/Tehsil, District and State, Justification for selecting the site, whether other sites were considered.
- ii. A topo-sheet of the study area of radius of 10km and site location on 1:50,000/1:25,000 scale on an A3/A2 sheet. (including all eco-sensitive areas and environmentally sensitive places)
- iii. Details w.r.t. option analysis for selection of site
- iv. Co-ordinates (lat-long) of all four corners of the site.
- v. Google map-Earth download of the project site.
- vi. Layout maps indicating existing unit as well as proposed unit indicating storage area, plant area, greenbelt area, utilities etc. If located within an Industrial area/Estate/Complex, layout of Industrial Area indicating location of unit within the Industrial area/Estate.
- vii. Photographs of the proposed and existing (if applicable) plant site. If existing, show photographs of plantation/greenbelt, in particular.
- viii. Land-use break-up of total land of the project site (identified and acquired), government/private - agricultural, forest, wasteland, water bodies, settlements, etc shall be included. (not required for industrial area)
- ix. A list of major industries with name and type within study area (10km radius) shall be incorporated. Land use details of the study area
- x. Geological features and Geo-hydrological status of the study area shall be included.
- xi. Details of Drainage of the project upto 5km radius of study area. If the site is within 1 km radius of any major river, peak and lean season river discharge as well as flood occurrence frequency based on peak rainfall data of the past 30 years. Details of Flood

Level of the project site and maximum Flood Level of the river shall also be provided.
(mega green field projects)

- xii. Status of acquisition of land. If acquisition is not complete, stage of the acquisition process and expected time of complete possession of the land. Documents related to conversion of land for Industrial purpose.
- xiii. R&R details in respect of land in line with state Government policy

5. Forest, wildlife and CRZ related issues (if applicable):

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

5) Environmental Status

- i. Determination of atmospheric inversion level at the project site and site-specific micro-meteorological data using temperature, relative humidity, hourly wind speed and direction and rainfall.
 - AAQ data (except monsoon) at 8 locations for PM10, PM2.5, SO₂, NO_x, CO and other parameters relevant to the project shall be collected. The monitoring stations shall be based CPCB guidelines and take into account the pre-dominant wind direction, population zone and sensitive receptors including reserved forests. Study should indicate minimum, maximum value of different parameters for the period (3 months) collected. Collected data should be supported by the reference data of either CPCB or SPCB. AAQ data & GLC of pollutants from stack emissions should suggest technology/measures- Best Practiced Technology (BPT) indicating best achieved results.

- ii. Raw data of all AAQ measurement for 12 weeks of all stations as per frequency given in the NAQQM Notification of Nov. 2009 along with – min., max., average and 98% values for each of the AAQ parameters from data of all AAQ stations should be provided as an annexure to the EIA Report.
- iii. Surface water quality of nearby River (100m upstream and downstream of discharge point) and other surface drains at eight locations as per CPCB/MoEF&CC guidelines.
- iv. Whether the site falls near to polluted stretch of river identified by the CPCB/MoEF&CC, if yes give details.
- v. Ground water monitoring at minimum at 8 locations shall be included.
- vi. Noise levels monitoring at 8 locations within the study area.
- vii. Soil Characteristic as per CPCB guidelines.
- viii. Traffic study of the area, type of vehicles, frequency of vehicles for transportation of materials, additional traffic due to proposed project, parking arrangement etc.
- ix. Detailed description of flora and fauna (terrestrial and aquatic) existing in the study area shall be given with special reference to rare, endemic and endangered species. If Schedule-I fauna are found within the study area, a Wildlife Conservation Plan shall be prepared and furnished.
- x. Socio-economic status of the study area.

6) Environment Impact and Environment Management Plan

- i. Assessment of ground level concentration of pollutants from the stack emission based on site-specific meteorological features. In case the project is located on a hilly terrain, the AQIP Modelling shall be done using inputs of the specific terrain characteristics for determining the potential impacts of the project on the AAQ. Cumulative impact of all sources of emissions (including transportation) on the AAQ of the area shall be assessed. Details of the model used and the input data used for modelling shall also be provided. The air quality contours shall be plotted on a location map showing the location of project site, habitation nearby, sensitive receptors, if any.
- ii. Water Quality Modelling – in case of discharge in water body
- iii. Impact of the transport of the raw materials and end products on the surrounding environment shall be assessed and provided. In this regard, options for transport of raw materials and finished products and wastes (large quantities) by rail or rail-cum road transport or conveyer-cum-rail transport shall be examined.
- iv. A note on treatment of wastewater from different plant operations, extent recycled and reused for different purposes shall be included. Complete scheme of effluent treatment. Characteristics of untreated and treated effluent to meet the prescribed standards of discharge under E(P) Rules 1986.
- v. Details of stack emission and action plan for control of emissions to meet standards.
- vi. Measures for fugitive emission control

- vii. Details of hazardous waste generation and their storage, utilization and management. Copies of MOU regarding utilization of solid and hazardous waste in cement plant shall also be included. EMP shall include the concept of waste-minimization, recycle/reuse/recover techniques, Energy conservation, and natural resource conservation.
- viii. Proper utilization of fly ash shall be ensured as per Fly Ash Notification, 2009. A detailed plan of action shall be provided.
- ix. Action plan for the green belt development plan in 33 % area i.e. land with not less than 2,500 trees per ha. Giving details of species, width of plantation, planning schedule etc. shall be included. The green belt shall be around the project boundary and a scheme for greening of the roads used for the project shall also be incorporated.
- x. Action plan for rainwater harvesting measures at plant site shall be submitted to harvest rainwater from the roof tops and storm water drains to recharge the ground water and also to use for the various activities at the project site to conserve fresh water and reduce the water requirement from other sources.
- xi. Total capital cost and recurring cost/annum for environmental pollution control measures shall be included.
- xii. Action plan for post-project environmental monitoring shall be submitted.
- xiii. Onsite and Offsite Disaster (natural and Man-made) Preparedness and Emergency Management Plan including Risk Assessment and damage control. Disaster management plan should be linked with District Disaster Management Plan.

7) Occupational health

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

8) Corporate Environment Policy

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

9) Corporate Environmental Responsibility (CER)

- a. Adequate funds, as per the Ministry's OM/Guidelines, shall be earmarked towards the Corporate Environmental Responsibility based on Public Hearing issues/socio- economic issues and item-wise details along with time bound action plan shall be included (CER activities shall be related to environment). Socio-economic development activities need to be elaborated upon. For the projects where public hearing is not conducted, CER plan shall be provided based on socio-economic study of the area.

10) Additional studies/Measures to be considered

- a. Provide latest and ecofriendly technology for product manufacturing. (ii). Emphasize on Green chemistry/Clean Manufacturing
- b. Provide CAS No. of products along with product list.
- c. Provide details of amount of carbon sequestered in their unit through greenbelt/other modes, in case of expansion project.
- d. Life structure and sustainability for carbon and water foot print. (vi). Detailed pollution Load estimation.
- e. Transportation of Hazardous substance, effluents etc shall be carried out through authorized and GPS enable vehicles/Trucks only.
- f. Category of Hazardous Wastes shall be mentioned in the EIA/EMP report and in presentation.
- g. Details of greenhouse gases and emissions shall be provided.
- h. Greenbelt shall be developed in the first year of the project and wind breaks shall be

erected.

- i. Study area map shall be overlapped with all the associated features.
 - j. Emphasize on green fuels.
 - k. The project from NCR shall not use Coal as fuel. Further, PP shall avoid use of Coal in the CPAs and elsewhere also if alternatives are available.
 - l. Provide the Cost-Benefit analysis with respect to the environment due to the project.
(xv). Details of carbon foot prints and carbon sequestration study w.r.t. proposed project
 - m. needs to spelled out. Proposed mitigation measures also needs to be analyzed and submitted for further appraisal of the EAC
- 11)** Any litigation pending against the project and/or any direction/order passed by any Court of Law against the project, if so, details thereof shall also be included. Has the unit received any notice under the Section 5 of Environment (Protection) Act, 1986 or relevant Sections of Air and Water Acts? If so, details thereof and compliance/ATR to the notice(s) and present status of the case.
- 12)** A tabular chart with index for point wise compliance of above TORs and its details needs to be submitted in the EIA/EMP Report.

SPECIFIC CONDITION

1. Details on solvents to be used, measures for solvent recovery and for emissions control.
2. Details of process emissions from the proposed unit and its arrangement to control.
3. Ambient air quality data should include VOC, other process-specific pollutants* like NH₃*,chlorine*,HCl*,HBr*,H₂S*,HF*,etc.,(*-as applicable)
4. Work zone monitoring arrangements for hazardous chemicals.
5. Detailed effluent treatment scheme including segregation of effluent streams for units adopting 'Zero' liquid discharge.
6. Action plan for odour control to be submitted.
7. A copy of the Memorandum of Understanding signed with cement manufacturers indicating clearly that they co-process organic solid/hazardous waste generated.
8. Authorization/Membership for the disposal of liquid effluent in CETP and solid/hazardous waste in TSDF, if any.
9. Action plan for utilization of MEE/dryers salts.
10. Material Safety Data Sheet for all the Chemicals are being used/will be used.
11. Authorization/Membership for the disposal of solid/hazardous waste in TSDF.
12. Details of incinerator if to be installed.
13. Risk assessment for storage and handling of hazardous chemicals/solvents. Action plan

14. for handling & safety system to be incorporated.
15. Arrangements for ensuring health and safety of workers engaged in handling of toxic materials.
16. Details of carbon foot prints and carbon sequestration study w.r.t. proposed project needs to spelled out. Proposed mitigation measures also needs to be analysed and submitted for further appraisal of the EAC.

Item No.228.04: Application for Issuance of TORs for Expansion of existing Steel Manufacturing Unit Namely M/s Rosha Alloys Pvt. Ltd. located at Village Tooran, Amlah Road, Mandi Gobindgarh, Distt. Fatehgarh Sahib, Punjab for increasing the production capacity to 152 TPD of Ingots (Proposal No. SIA/PB/IND/82376/2022)

The industry is an existing steel manufacturing unit and is engaged in the manufacturing of Steel Ingots. The industry had been granted Consent to Operate under the provisions of Water Act 1974 & Air Act 1981 for the manufacturing of steel Ingots@ 49 MTD which is valid up to 30.09.2025 respectively.

The industry has submitted application for obtaining TORs for increase in production capacity from 49 TPD of Steel Ingots with one Induction Furnace of capacity 5 TPH to 152 TPD of Steel Ingots with one Induction Furnace of capacity 10 TPH (to be replaced with induction furnace of capacity 5TPH) at Village Tooran, Amlah Road, Mandi Gobindgarh, Distt. Fatehgarh Sahib, Punjab.

The Project is covered under Activity 3(a) & Category 'B1' as per EIA Notification, 2006. The General Condition is applicable to the activity 3 (a) as such the industry has submitted a self-declaration as under:

Sr. No.	General Conditions	Applicability
1.	Protected Area notified under the Wildlife (Protection) Act 1972	Not Applicable Nearest Wildlife Sanctuary is Bir-Bhandson Wildlife Sanctuary located at distance of 13 Km in SW directions.
2.	Critically Polluted areas as notified by the Central Pollution Control Board	Not applicable Ludhiana 38.5 Km
3.	Notified eco-sensitive area (Under sub section (2) of section 3 of EPA 1986)	Not applicable No notified eco-sensitive areas fall within 10 Km of the project location.
4.	Inter-state Boundaries and international boundaries.	Not applicable Nearest Inter-state Boundary is Punjab-Haryana Boundary at distance of 50 Km in E directions.

The industry has submitted the Form I, Pre-feasibility report and other additional documents through Parivesh portal. He has also deposited Rs. 23,089/- vide UTR No. FDRLH2222234139 dated 10.08.2022, as checked & verified by the supporting staff SEIAA.

Deliberations during 228th meeting of SEAC held on 05.09.2022.

The meeting was attended by the following:

- (i) Mr. Mohit Kumar, Authorized Signatory, M/s Rosha Alloys Private Limited.
- (ii) Mr. Sandeep Garg, 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 features of the project. He, thereafter, presented the case as under:

S. No.	Description	Details			
1.	Basic Details				
1.1	Name of Industry & Project proponent:	M/s Rosha Alloys Pvt. Ltd. Project Proponent: Mr. Harinder Pal Singh Rosha (Director)			
1.2	Proposal	SW/288144/2022			
1.3	Location of Industry	Village Tooran, Amloh road, Mandi Gobindgarh, Distt. Fatehgarh Sahib, Punjab (147301)			
1.4	Details of land area and built-up area	Breakup of the project area is given below:			
		S. No.	Description	Total area (in sq.m.)	Area in %
		1.	Shed covered area	2,620.31	36.35
		2.	Other covered area	515.88	7.15
		3.	Plantation area	2,379.41	33.00
		4.	Passage area	1207.72	16.75
		5.	Parking area	278.26	3.85
		6.	Utility and Other area	206.82	2.86
		Total area		7208.40 sq.m. (1.781 acres)	100%
1.5	Category under EIA notification dated 14.09.2006	3(a): Metallurgical Industries (ferrous & non-ferrous)			
1.6	Cost of the project	Existing Cost of the project is Rs. 4.28 Crores. Proposed cost for expansion is Rs. 4.95 Crores. Overall cost of the project after expansion will be Rs. 9.23 Crores.			
2.	Site Suitability Characteristics				
2.1	Whether site of the industry is suitable as per the provisions of Master Plan:	Yes, Project location falls within the Industrial Zone as per Master Plan of Mandi Gobindgarh. The industry had already been granted consent to establish and operate under the provisions of the Water Act 1974 and Air Act 1981 for the manufacturing of 49 TPD of steel Ingots. Further, no additional land area is to be acquired for carrying out expansion.			
2.2	Whether supporting document submitted in favour of statement at 2.1, details thereof: (CLU/	Master Plan of Mandi Gobindgarh showing project location submitted. Further, a copy of the site approval obtained from the Department of Labour & Employment vide Memo No. 21/28/04-2Lab/2534 dated 12.07.2004 submitted.			

	building plan approval status)																																									
3.	Forest, Wildlife and Green Area																																									
3.1	Whether the industry required clearance under the provisions of Forest Conservation Act 1980 or not:	No clearance is required under the provisions of the Forest (Conservation) Act 1980. An undertaking in this regard submitted.																																								
3.2	Whether the industry required clearance under the provisions of Punjab Land Preservation Act (PLPA) 1900:	Not applicable, as no PLPA land is involved.																																								
3.3	Whether industry required clearance under the provisions of Wildlife Protection Act 1972 or not:	No NBWL permission is required as no Wildlife Sanctuary falls within 10 km radius of project location.																																								
3.4	Distance of the industry from the Critically Polluted Area.	Nearest Critically Polluted area is Ludhiana located at a distance of approx. 48 km from the project.																																								
3.5	Whether the industry falls within the influence of Eco-Sensitive Zone or not. <i>(Specify the distance from the nearest Eco sensitive zone)</i>	No; as no Eco-sensitive zone falls within 10 km of the project location. Bir-Bhadson Wildlife Sanctuary is located at a distance of approx. 12.8 km from project location.																																								
3.6	Green area requirement and proposed No. of trees:	Green area of 2,379.41 sq.m. (33%) has been proposed within the project. Total 357 no. of trees @ 1,500 trees per hectare.																																								
4.	Configuration & Population																																									
4.1	Raw materials, products & machinery details	<table border="1"> <tr> <td colspan="4">Raw Materials:</td> </tr> <tr> <td></td> <td>Existing</td> <td>Proposed</td> <td>Total After Expansion</td> </tr> <tr> <td>Materials</td> <td colspan="3">Scrap & Ferro Alloys</td> </tr> <tr> <td>Quantity</td> <td>54 TPD</td> <td>106 TPD</td> <td>160 TPD</td> </tr> <tr> <td colspan="4">Products:</td> </tr> <tr> <td></td> <td>Existing</td> <td>Proposed</td> <td>Total After Expansion</td> </tr> <tr> <td>Products</td> <td colspan="3">Steel Ingots</td> </tr> <tr> <td>Quantity</td> <td>49 TPD</td> <td>103 TPD</td> <td>152 TPD</td> </tr> <tr> <td colspan="4">Machinery:</td> </tr> <tr> <td></td> <td>Existing</td> <td>Proposed</td> <td>Total After Expansion</td> </tr> </table>	Raw Materials:					Existing	Proposed	Total After Expansion	Materials	Scrap & Ferro Alloys			Quantity	54 TPD	106 TPD	160 TPD	Products:					Existing	Proposed	Total After Expansion	Products	Steel Ingots			Quantity	49 TPD	103 TPD	152 TPD	Machinery:					Existing	Proposed	Total After Expansion
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		Induction Furnace	1 × 5 TPH	Replacement of existing Induction Furnace	1 × 10 TPH
4.2	Population details	In the existing unit, 70 workers including both technical & non-technical are working. Residing facility to 10 workers has been provided within project premises. For proposed expansion, additional 20 workers will be required. Thus, after expansion, total 90 workers will be working; out of which 15 workers will be residing within project premises.			
5. Water					
5.1	Total fresh water requirement:	In Existing unit, water requirement is 11 KLD which is being met through existing borewells. After expansion, total water requirement of the project will be 28 KLD; out of which fresh water requirement will be 24 KLD.			
5.2	Source:	Ground water (2 No. borewells)			
5.3	Whether Permission obtained for abstraction/supply of the fresh water from the Competent Authority (Y/N) <i>Details thereof</i>	Permission will be obtained from PWRDA for abstraction of ground water.			
5.4	Total water requirement for domestic purpose:	Existing domestic water requirement is 2 KLD. After expansion the domestic water requirement for the project is estimated to be 5.5 KLD.			
5.4.1	Total wastewater generation:	1.5 KLD of domestic effluent is being generated from existing unit which is disposed in septic tank provided within project premises. After expansion, approx. 4.5 KLD of domestic wastewater will be generated which will be treated in proposed STP of capacity 5 KLD.			
5.4.2	Treatment methodology for domestic wastewater: (STP capacity, technology & components)	1.5 KLD of domestic effluent is being generated from existing unit which is disposed in septic tank provided within project premises. After expansion, approx. 4.5 KLD of domestic wastewater will be generated which will be treated in proposed STP of capacity 5 KLD. Treated water will be reused for cooling purpose within the project premises.			
5.5	Total water requirement for industrial purpose:	For industrial purpose, make-up cooling water demand in the existing unit is 9 KLD. After expansion, make-up cooling water demand is estimated to be 9.5 KLD.			
5.5.1	<i>Total effluent generation:</i>	No industrial effluent is being generated and after expansion also no industrial effluent will be generated.			
5.5.2	<i>Treatment methodology for industrial wastewater: (ETP capacity, technology & components)</i>	Not applicable, as no industrial effluent generated.			
5.6	Details of utilization of treated wastewater into	Treated water from STP will be reused for cooling purpose within project premises.			

	green area in summer, winter and rainy season:	Sr. No.	Season	Flushing purposes (KLD)	Green area sq.m (KLD)	Cooling purpose (KLD)	MC Sewer (KLD)
		1.	Summer	--	--	4	--
		2.	Winter	--	--	4	--
		3.	Monsoon	--	--	4	--
5.7	Utilization/ Disposal of excess treated wastewater.	Not applicable, as treated water will be reused for cooling purpose within project premises.					
5.8	Rain water harvesting proposal:	No rain water recharging pits has been proposed within project premises. Thus, rain water recharging will be done outside of project premises by adopting pond. NOC will be obtained from Sarpanch of the Village regarding pond adoption and copy of the same along with detailed rain water recharging proposal will be submitted with EIA report.					
6. Air							
6.1	Details of Air Polluting machinery:	Source of air pollution are given below:					
		S. No.	Machinery	Description			
		1.	Induction Furnace	1 × 10 TPH			
		2.	DG set	125 KVA			
6.2	Measures to be adopted to contain particulate emission/ Air Pollution	The details of the sources of pollution and its mitigation measures are given below:					
S. No.	Source	Capacity	Chimney Height	APCD			
1.	Induction Furnace	1 × 10 TPH	30 m	Side suction hood followed by bag filter as APCD of capacity 50,000 CMH will be installed on Induction Furnace of 10 TPH.			
2.	DG Set	125 KVA	2.5 m	Canopy			
7. Energy Saving & EMP							
7.1	Power Consumption:	Energy requirement is given below:					
		S. No.	Description	Existing	Total After Expansion		
		1.	Power load	3,000 KVA	4,000 KVA		
		2.	DG set	1 × 125 KVA	1 × 125 KVA		
		Source: PSPCL (Punjab State Power Corporation Limited)					

The Committee observed that the industry falls in the industrial zone as per the Master Plan of Mandi Gobindgarh. After detailed deliberations, SEAC decided to recommend the case to SEIAA to approve & issue the Terms of Reference (ToR) to the industry **M/s Roshia Alloys Pvt.**

Ltd for preparing Environmental Impact Assessment (EIA) report by carrying out public consultation as required under the EIA notification dated 14.09.2006:

Standard ToR-

1. Introduction

- i. Background about the project
- ii. Need of the project
- iii. Purpose of the EIA study
- iv. Scope of the EIA study

Project description

A. Site Details

- i. Location of the project site covering village, Taluka/Tehsil, District and State.
- ii. Site accessibility
- iii. Adigital toposheet in pdf or shape file compatible to google earth of the study area of radius of 10km and site location preferably on 1:50,000 scale. (including all eco-sensitive areas and environmentally sensitive places).
- iv. Latest High-resolution satellite image data having 1m-5m spatial resolution like quickbird, Ikonos, IRS P-6 pan sharpened etc., along with delineation of plant boundary co-ordinates. Area must include at least 100m all around the project location.
- v. Environment settings of the site and its surrounding along with map.
- vi. A list of major industries with name, products and distance from plant site within study area (10km radius) and the location of the industries shall be depicted in the study area map.
- vii. In case if the project site is in vicinity of the water body, 50 meters from the edge of the water body towards the site shall be treated as no development/construction zone. If it's near the wetland, Guidelines for implementing Wetlands (Conservation and Management) Rules, 2017 may be followed.
- viii. In case if the project site is in vicinity of the river, the industry shall not be located within the river flood plain corresponding to one in 25 years flood, as certified by concerned District Magistrate/Executive Engineer from State Water Resources Department (or) any other officer authorized by the State Government for this purpose as per the provisions contained in the MoEF&CC Office Memorandum dated 14/02/2022.
- ix. Type of land, land use of the project site.
- x. Status of acquisition of land. If acquisition is not complete, stage of the acquisition process as per the MoEF&CC O.M. dated 7/10/2014 shall be furnished.
- xi. Engineering layout of the area with dimensions depicting existing unit as well as proposed unit indicating storage area, plant area, greenbelt area, utilities etc. If located within an Industrial area/Estate/Complex, layout of Industrial Area indicating location of unit within the Industrial area/Estate.

B. Forest and wildlife related issues (if applicable):

- i. Status of Forest Clearance for the use of forest land shall be submitted.
- ii. Copy of application submitted for clearance under the Wildlife (Protection) Act, 1972, to the Standing Committee of the National Board for Wildlife if the project site located within notified Eco-Sensitive Zone, 10km radius of national park/sanctuary wherein final ESZ notification is not in place as per MoEF&CC Office Memorandum dated 8/8/2019.
- iii. The projects to be located within 10 km of the National Parks, Sanctuaries, Biosphere

Reserves, Migratory Corridors of Wild Animals, Eco-sensitive Zone and Eco-sensitive areas, the project proponent shall submit the map duly authenticated by Divisional Forest Officer showing the distance between the project site and the said areas.

- iv. Wildlife Conservation Plan duly authenticated by the Competent Authority of the State Government for conservation of Schedule I fauna, if any exists in the study area.

C. Salient features of the project

- i. Products with capacities in **Tons per Annum** for the proposed project.
- ii. If expansion project, status of implementation of existing project, details of existing/proposed products with production capacities in Tons per Annum.
- iii. Site preparatory activities.
- iv. List of raw materials required and their source along with mode of transportation.
- v. Other than raw materials, other chemicals and materials required with quantities and storage capacities.
- vi. Manufacturing process details along with process flow diagram of proposed units.
- vii. Consolidated materials and energy balance for the project.
- viii. Total requirement of surface/ ground water and power with their respective sources, status of approval.
- ix. Water balance diagram
- x. Details of Emission, effluents, hazardous waste generation and mode of disposal during construction as well as operation phase.
- xi. Man-power requirement.
- xii. Cost of project and scheduled time of completion.
- xiii. Brief on present status of compliance (Expansion/modernization proposals)
 - a. Cumulative Environment Impact Assessment for the existing as well as the proposed expansion/modernization shall be carried out.
 - b. In case of ground water drawl for the existing unit, action plan for phasing out of ground water abstraction in next three years except for domestic purposes and shall switch over to 100 % use of surface water from nearby source.
 - c. Copy of all the Environment Clearance(s) including Amendments thereto obtained for the project from MoEF&CC/SEIAA shall be attached as an Annexure. A certified copy of the latest Monitoring Report of the Regional Office of the Ministry of Environment and Forests as per circular dated 30th May, 2012 on the status of compliance of conditions stipulated in all the existing environment clearances including amendments shall be provided.
 - d. In case the existing project has not obtained Environment Clearance, reasons for not taking EC under the provisions of the EIA Notification 1994 and/or EIA Notification 2006 shall be provided. Copies of Consent to Establish/No Objection Certificate and Consent to Operate (in case of units operating prior to EIA Notification 2006, CTE and CTO of FY 2005-2006) obtained from the SPCB shall be submitted. Further, compliance report to the conditions of consents from the Regional Office of the SPCB shall be submitted.

D. Description of the Environment

- v. Study period
- vi. Approach and methodology for data collection as furnished below.

Attributes	Sampling		Remarks
	Network	Frequency	
A. Air Environment			

<p>Micro-Meteorological</p> <ul style="list-style-type: none"> • Wind speed (Hourly) • Wind direction • Dry bulb temperature • Wet bulb temperature • Relative humidity • Rainfall • Solar radiation • Cloud cover • Environmental Lapse Rate 	<p>Minimum 1 site in the project impact area</p>	<p>1 hourly continuous</p>	<ul style="list-style-type: none"> • IS 5182 Part 1-20 • Site specific primary data is essential • Secondary data from IMD, New Delhi • CPCB guidelines to be considered.
<p>Pollutants</p> <ul style="list-style-type: none"> • PM2.5 <hr/> <ul style="list-style-type: none"> • PM10 <hr/> <ul style="list-style-type: none"> • SO2 <hr/> <ul style="list-style-type: none"> • NOx <hr/> <ul style="list-style-type: none"> • CO <hr/> <ul style="list-style-type: none"> • HC <hr/> <ul style="list-style-type: none"> • Other parameters relevant to the project and topography of the area 	<p>At least 8-12 locations</p>	<p>As per National Ambient Air Quality Standards, CPCB Notification.</p>	<ul style="list-style-type: none"> • Sampling as per CPCB guidelines • Collection of AAQ data (except in monsoon season) • Locations of various stations for different parameters should be related to the characteristic properties of the parameters. • The monitoring stations shall be based on the NAAQM standards as per GSR 826(E) dated 16/11/2009 and take into account the predominant wind direction, population zone and sensitive receptors including reserved forests, • Raw data of all AAQ measurement for 12 weeks of all stations as

Attributes	Sampling		Remarks
	Network	Frequency	
			per frequency given in the NAAQM Notification of 16/11/2009 along with min., max., average and 98% values for each of the AAQ parameters from data of all AAQ stations should be provided as an annexure to the EIA Report.
B. Noise			
<ul style="list-style-type: none"> Hourly equivalent noise levels 	least 8-12 locations	per CPCB norms	
C. Water			
Parameters for water quality <ul style="list-style-type: none"> pH, temp, turbidity, magnesium hardness, total alkalinity, chloride, sulphate, nitrate, fluoride, sodium, potassium, salinity Total nitrogen, total phosphorus, DO, BOD, COD, Phenol Heavy metals Total coliforms, faecal coliforms Phyto plankton Zoo plankton 	Samples for water quality should be collected and analyzed as per: <ul style="list-style-type: none"> IS: 2488 (Part 1-5) methods for sampling and testing of Industrial effluents Standard methods for examination of water and wastewater analysis published by American Public Health Association. 		
For River Bodies <ul style="list-style-type: none"> Total Carbon pH Dissolved Oxygen Biological Oxygen Demand Free NH4 Boron Sodium Absorption Ratio Electrical 	<ul style="list-style-type: none"> Surface water quality of the nearest River (60m upstream and downstream) and other surface water 	<ul style="list-style-type: none"> Yield of water sources to be measured during critical season Standard methodology for collection of surface water (BIS standards) 	

Attributes	Sampling		Remarks
	Network	Frequency	
Conductivity	bodies		
For Ground Water	<ul style="list-style-type: none"> Ground water monitoring data should be collected at minimum of 8 locations (from existing wells /tube wells/existing current records) from the study area and shall be included. 		
D. Traffic Study			
<ul style="list-style-type: none"> Type of vehicles Frequency of vehicles for transportation of materials Additional traffic due to proposed project Parking arrangement 			
E. Land Environment			
Soil <ul style="list-style-type: none"> Particle size distribution Texture pH Electrical conductivity Cation exchange capacity Alkali metals Sodium Absorption Ratio (SAR) Permeability Water holding capacity Porosity 	soil samples be collected as per BIS specifications		
Land use/Landscape <ul style="list-style-type: none"> Location code Total project area Topography Drainage (natural) Cultivated, forest, plantations, water bodies, roads and settlements 			
E. Biological Environment			

Attributes	Sampling		Remarks
	Network	Frequency	
<p>Aquatic</p> <ul style="list-style-type: none"> • Primary productivity • Aquatic weeds • Enumeration of phyto plankton, zoo plankton and benthos • Fisheries • Diversity indices • Trophic levels • Rare and endangered species • Marine Parks/ Sanctuaries/ closed areas /coastal regulation zone (CRZ) <p>Terrestrial</p> <ul style="list-style-type: none"> • Vegetation-species list, economic importance, forest produce, medicinal value • Importance value index (IVI) of trees • Fauna • Avi fauna • Rare and endangered species • Sanctuaries / National park / Biosphere reserve • Migratory routes 			<ul style="list-style-type: none"> • Detailed description of flora and fauna (terrestrial and aquatic) existing in the study area shall be given with special reference to rare, endemic and endangered species. Indicator species which indicate ecological and environment degradation should be identified and included to clearly state whether the proposed project would result in to any adverse effect on any species. • Samples to collect from upstream and downstream of discharge point, nearby tributaries at downstream, and also from dug wells close to activity site. • For forest studies, direction of wind should be considered while selecting forests. • Secondary data to collect from Government offices, NGOs, published literature.
F. socio-economic			
<ul style="list-style-type: none"> • Demographic structure • Infrastructure resource base • Economic resource base • Health status: Morbidity pattern • Cultural and aesthetic attributes 			<ul style="list-style-type: none"> • Socio-economic survey is based on proportionate, stratified and random sampling method. • Primary data collection through questionnaire • Secondary data from census records, statistical hard books, topo sheets, health records and relevant official records available with Govt. Agencies

Attributes	Sampling		Remarks
	Network	Frequency	
• Education			

- vii. Interpretation of each environment attribute shall be enumerated and summarized as given below:
- Ambient air quality
 - Ambient Noise quality
 - Surface water quality
 - Ground water quality
 - Soil quality
 - Biological Environment
 - Land use
 - Socio-economic environment

E. Anticipated Environment Impacts and mitigation measures (In case of expansion, cumulative impact assessment shall be carried out)

- i. Identification of potential impacts in the form of a **matrix** for the construction and operation phase for all the environment components

Activity	Environment	Ecological	Socio-economic
Construction phase			
Operation phase			

- ii. Impact on ambient air quality (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact)
- a. Construction phase
 - b. Operation phase
 - Details of stack emissions from the existing as well as proposed activity.
 - Assessment of ground level concentration of pollutants from the stack emission based on AQIP Modelling The air quality contours shall be plotted on a location map showing the location of project site, habitation nearby, sensitive receptors, if any along with wind rose map for respective period
 - Impact on ground level concentration, under normal, abnormal and emergency conditions. Measures to handle emergency situations in the event of uncontrolled release of emissions.
- iii. Impact on ambient noise quality (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact)
- a. Construction phase
 - b. Operation phase
- iv. Impact on traffic (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact)
- a. Construction phase
 - b. Operation phase
- v. Impact on soil quality (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact)

- a. Construction phase
 - b. Operation phase
- vi. Impact on land use (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact)
 - a. Construction phase
 - b. Operation phase
- vii. Impact on surface water resource and quality (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact)
 - a. Construction phase
 - b. Operation phase
- viii. Impact on ground water resource and quality (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact)
 - a. Construction phase
 - b. Operation phase
- ix. Impact on terrestrial and aquatic habitat (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact)
 - a. Construction phase
 - b. Operation phase
- x. Impact on socio-economic environment (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact)
 - a. Construction phase
 - b. Operation phase
- xi. Impact on occupational health and safety (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact)
 - a. Construction phase
 - b. Operation phase

2. Analysis of Alternatives (Technology & Site)

- i. No project scenario
- ii. Site alternative
- iii. Technical and social concerns
- iv. Conclusion

3. Environmental Monitoring Program

- i. Details of the Environment Management Cell
- ii. Performance monitoring schedule for all pollution control devices shall be furnished.
- iii. Corporate Environment Policy
 - a. Does the company have a well laid down Environment Policy approved by its Board of Directors? If so, it may be detailed in the EIA report.
 - b. Does the Environment Policy prescribe for standard operating process / procedures to bring into focus any infringement / deviation / violation of the environment or forest norms / conditions? If so, it may be detailed in the EIA.
 - c. What is the hierarchical system or Administrative order of the company to deal with the environment issues and for ensuring compliance with the environment clearance conditions? Details of this system may be given.
 - d. Does the company have system of reporting of non-compliances / violations of environment norms to the Board of Directors of the company and / or shareholders or stakeholders at

large? This reporting mechanism shall be detailed in the EIA report

iv. Action plan for **post-project environment monitoring matrix:**

Activity	Aspect	Monitoring Parameter	Location	Frequency	Responsibility
Construction phase					
Operation phase					

4. Additional Studies

- i. Public consultation details (Entire proceedings as separate annexure along with authenticated English Translation of Public Consultation proceedings).
- ii. Summary of issues raised during public consultation along with action plan to address the same as per MoEF&CC O.M. dated 30/09/2020

S	Physical activity and action plan		Year of implementation (Budget in INR)			Total Expenditure (Rs. in Crores)
	Name of the Activity	Physical Targets	1 st	2 nd	3 rd	

- iii. Risk assessment
 - Methodology
 - Hazard identification
 - Frequency analysis
 - Consequence analysis
 - Risk assessment outcome
- iv. Emergency response and preparedness plan

5. Project Benefits

- i. Environment benefits
- ii. Social infrastructure
- iii. Employment and business opportunity
- iv. Other tangible benefits

6. Environment Cost Benefit Analysis

- i. Net present value
- ii. Internal rate of return
- iii. Benefit cost ratio
- iv. Cost effectiveness analysis

7. Environment Management Plan (Construction and Operation phase)

- i. Air quality management plan
- ii. Noise quality management plan
- iii. Solid and hazardous waste management plan

- iv. Effluent management plan
- v. Storm water management plan
- vi. Rain water harvesting plan
- vii. Occupational health and safety management plan
- viii. Green belt development plan
- ix. Socio-economic management plan
- x. Wildlife conservation plan (In case of presence of schedule I species)
- xi. Total capital cost and recurring cost/annum for environment pollution control measures shall be included.

8. Conclusion of the EIA study

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

SPECIAL CONDITIONS-

- 1. For Large ISPs, a 3-D view i.e. DEM (Digital Elevation Model) for the area in 10 km radius from the proposal site. MRL details of project site and RL of nearby sources of water shall be indicated.
- 2. Plan for the implementation of the recommendations made for the steel plants in the CREP guidelines.
- 3. Plan for solid wastes utilization
- 4. Plan for utilization of energy in off gases (coke oven, blast furnace)
- 5. System of coke quenching adopted with justification.
- 6. Details on environmentally sound technologies for recycling of hazardous materials, as per CPCB Guidelines, may be mentioned in case of handling scrap and other recycled materials.
- 7. Details on toxic metal content in the waste material and its composition and end use (particularly of slag).
- 8. Details on toxic content (TCLP), composition and end use of slag.
- 9. 100 % dolo char generated in the plant shall be used to generate power.
- 10. Fourth Hole fume extraction system shall be provided for SAF.WHR system shall be installed to recover sensible heat from flue gases of EAF. Provision for installation of jigging and briquetting plant to utilise the fines generated in the process.
- 11. No tailing pond is permitted for Iron ore slimes. Dewatering and filtration system shall be provided.
- 12. Emission/effluent norms as per G.S.R 894 (E) dated 4/12/2019.

Item No. 228.05: Application for amendment in Environmental Clearance under EIA Notification dated 14.09.2006 of Steel Manufacturing Unit namely "M/s Samana Concast" located at Village Tooran, Amloh Road, Mandi Gobindgarh, Distt. Fatehgarh Sahib, Punjab (Proposal No. SIA/PB/IND/269406/2022).

The industry was granted Environmental Clearance for Expansion vide letter DECC/SEIAA/2020/1781 dated 29.07.2020 for Steel Manufacturing Unit by installation of two no. of induction furnaces of capacity 12 TPH at Village Tooran, Amloh Road, Mandi Gobindgarh, Distt. Fatehgarh Sahib, Punjab.

The industry informed that no rolling mill was proposed at the time of earlier Environment Clearance. However, the operation is not economically viable without downstream processing of billets/ingots. The industry has now proposed to install rolling mill for the manufacturing of flats, bars, rounds, square, hexa shape and section angle, channel, beam, HR Coil, ERW pipe, Steel tube, Strips, TMT, Joists etc.

The cost of the project has been increased from Rs. 8.71 Crore to Rs. 13.71 Crore. The industry has deposited processing fees amounting to Rs. 80,000/- vide NEFT No 0037493435 dated 06.02.2020, Rs.7200/- vide UTR no.- SBIN22060456045 and additional fees of Rs. 49,900/- submitted vide UTR no.- SBIN122112322504 dated 22.04.2022 for increase in the project cost, as checked & verified by supporting staff SEIAA.

The industry has applied for amendment in the Environmental Clearance and submitted Form-4 along with copy of the earlier Environment Clearance granted to the project and compliance of the conditions imposed in the earlier Environment Clearance granted to the Project Proponent. As per the application, the proposal is as follows:

Sr. No.	Plan/Equipment/Facility	Existing	Proposed	After Amendment
1	Products	Steel Ingots, castings @ 100800 TPA	Steel Ingots/Billets, Flats, bars, Rounds & Square	Steel Ingots/Billets, Flats, Bars, Rounds & Square
2	Rolling Mill	Nil	1 No.	1 No.
3	Area	10323.23 sqm	Additional Area for plantation- 2630.45sqm	Existing unit area- 10323.23 sqm & Additional area 2630.45 sqm has been acquired to meet with

				statutory green belt area requirement of 33%
4	Project Cost	Rs. 8.71 Crore	Rs. 5 Crore	Rs. 13.71 Crore
5	Induction Furnace	2x12TPH	Nil	2x12TPH
6	Concast	1 No.	Nil	1 No.

Deliberations during 220th meeting of SEAC held on 16.05.2022.

The meeting was attended by the following:

- (i) Mr. Sushil Mittal, Partner, M/s Samana Concast.
- (ii) Sh. Sandeep Singh, Consultant, M/s. Chandigarh Pollution Testing Laboratory.

During meeting, the Project Proponent apprised the Committee that after the installation of the rolling mill, the green area available with the industry shall be reduced to 18.02% i.e from 3474 sqm (based on which the earlier Environmental Clearance was granted) to 1860 sqm. To compensate the reduction in green area, the Project Proponent proposed to develop green area in the land area of 1546 sqm located at a distance of 1.7 km from the industry. Therefore, the total green area to be developed shall be 3406 sqm which will enable the industry to meet with the prescribed condition of 33% green area laid down by MoEF&CC vide its office circular no. F. No. 22-34/2018-IA-III dated 09.08.2018.

The Committee asked the Project Proponent to present the compliance pertaining to development of green area in the land area of 3474 sqm based on which the earlier Environmental Clearance was granted to the industry. The Project Proponent shown some photographs of the saplings and under grown trees to the Committee. The Committee was not satisfied with the progress of plantation developed by the industry and observed that the industry does not seem to be serious for complying with the condition for developing 33% of green area. The Committee asked the Project Proponent to make adequate plantation in the 18% green area proposed within the industry by planting more than 6 ft height trees. The Project Proponent agreed to the same and assured the Committee to provide adequate plantation within the industry and shall submit the requisite compliance in this regard.

The Committee further perused the layout plan of the industry and observed that the space dedicated to the rolling mill by reducing the green area is not clear. The Committee asked the Project Proponent to submit the super imposed layout plan by earmarking the total green area earlier available & to be developed within the industry and green area proposed to be developed after earmarking the land area for the installation of rolling mill.

The Committee perused the compliance of the conditions imposed in the earlier Environmental Clearance granted to the industry and observed that the industry has mentioned “Not Applicable” against one of the conditions mentioning that the industry 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 Committee asked the Project Proponent to prepare and submit the said plan. The Project Proponent agreed to the same and assured the Committee that he will submit the site-specific conservation plan & Wildlife Management Plan.

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

1. The Project Proponent shall plant adequate number of trees of height 6ft each in the land area proposed to be developed as green area within the industry. The Project Proponent shall submit the photographs of the plantation done within the industry.
2. The Project Proponent shall submit the super imposed layout plan by earmarking the total green area earlier available & to be developed within the industry and green area proposed to be developed after earmarking the land area for the installation of rolling mill.
3. The Project Proponent shall prepare Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden, in compliance to the EC conditions.

Deliberations during 227th meeting of SEAC held on 22.08.2022.

The meeting was attended by the following:

- (i) Mr. Sushil Mittal, Partner, M/s Samana Concast.
- (ii) Sh. Sital Singh, EIA Coordinator, M/s. Chandigarh Pollution Testing Laboratory.

SEAC allowed the Environmental Consultant of the project proponent to present the reply to the observations made by it in the meeting of SEAC held on 16.05.2022. Accordingly, the Environmental Consultant presented the reply as under:

S. No.	Observation	Reply
1.	The project proponent shall plant adequate number of trees of height 6ft each in the land area proposed to be developed as green area within the industry. The project proponent shall submit	<ul style="list-style-type: none"> ➤ The industry has planted 280 no. of trees, having height 6ft each, in an area of 1860sqm within the industry premises. Photographs showing this plantation submitted. ➤ The industry has another stretch of land measuring 2630 sqm which is located at a distance of about 250m from the project site.

	<p>photographs of the plantation done within the industry.</p>	<p>This stretch is also owned by the industry. In this stretch, about 340 no. of trees having height 6ft each have been planted. Photographs showing this plantation submitted.</p> <p>➤ Therefore, total land area under plantation is 4490sqm. In case, the project area and area of stretch outside the premises of the unit are added, it comes out be 12950sqm and 33% of this area comes out be 4273.5sqm. Since, we have made plantation in an area of 4490sqm which is more than 33% of above calculated area.</p> <p>➤ The species of plantation made by the project proponent are Silver oak, Neem, Arjun, Chakrassia, Jamun, Gulmohar, Amaltas, Kank Champa, Champa Alba, Pilkhan, Aaroo, Mango, Nashpati, Guava, Kinnow, Cassia Glaucia, Cassia Javanica etc.</p>
<p>2.</p>	<p>The project proponent shall submit the superimposed layout by earmarking the total green area earlier available & to be developed within the industry and green area proposed to be developed after earmarking the land area for installation of rolling mill.</p>	<p>Superimposed plan submitted.</p>
<p>3.</p>	<p>The project proponent shall prepare Site-specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden, in compliance to the EC conditions.</p>	<p>In the Environmental Clearance granted to our company, in the Statutory compliance condition no. (iii), it has been mentioned as under: -</p> <p><i>(iii) The project proponent shall prepare Site-specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-specific Conservations 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 presence of schedule-I species in the study area)</i></p> <p>The above said condition itself indicated that the site-specific conservation plan and wildlife management plan is to be prepared and got approved from the competent authority in case presence of schedule-I species in the study area</p>

		<p>is found. As per EIA report, on the basis of EC was granted to the unit, no species of schedule-I is found in the study area. Therefore, there is no need to prepare site specific conservation plan and wildlife management plan in our case. Perhaps, the above-mentioned condition has been imposed in the earlier granted EC as a general condition.</p> <p>It is further mentioned that the nearest wildlife sanctuary (Bir Bhadson) is located at distance of 13Km from the project site.</p>
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The project proponent informed that the total land area of the project is 10323.23 sqm. Further, he informed the Committee that after installation of rolling mill, the green area available with the industry shall be reduced to 18.02% i.e from 3474 sqm (based on which the earlier Environmental Clearance was granted) to 1860 sqm. To compensate the reduction in green area, the Project Proponent proposed to develop green area in the land area of 2630 sqm (2 Bigha 15 Biswa) located at a distance of 1249.92 m from the industry. The Proponent informed that the land belongs to him and submitted an undertaking that the additional land of 2630 sqm will be used for green development. No other activity will be done in my way. Therefore, the total green area to be developed shall be 4490 sqm which will enable the industry to meet with the prescribed condition of 33% green area laid down by MoEF&CC vide its office circular no. F. No. 22-34/2018-IA-III dated 09.08.2018. Further, the industry has planted 280 No. trees, having height of 6 feet each, in an area of 1860 sqm within the industry premises and 340 No. of trees having height 6 feet each in an area of 2630 sqm outside the industry. The Photographs of the plants were shown to the Committee and a copy of the photographs was provided along with the reply.

The industry also informed in their reply that as per EIA report, no species of Schedule-I was found in the study area and therefore there is no need to prepare and submit Sites Specific Conservation Plan and Wildlife Management Plan. The statement of the Proponent was also authenticated by their environmental consultant.

During appraisal, SEAC observed that in the EIA report submitted by the project proponent, some species are covered under Schedule-I of Wild Life Protection Act. Thus, the reply submitted by the project proponent was found to be in variance with the EIA study report. The project proponent was advised to clarify the same. Further, the project proponent has submitted an undertaking for raising of green area outside the industry and no other activity will be done on this land. The project proponent was asked to submit an affidavit in this regard that the outside land proposed to be developed for raising green area shall not be used for any other purposes throughout the life cycle of the project and further no third-party interest shall be created on this land.

After detailed deliberations, SEAC decided to defer the case till the receipt of reply of the project proponent on the above said observations.

The reply of the above said observations has been submitted by the industry through online Parivesh Portal.

Deliberations during 228th meeting of SEAC held on 05.09.2022.

The meeting was attended by the following:

- (i) Mr. Sushil Mittal, Partner, M/s Samana Concast.
- (ii) Sh. Sital Singh, Environmental Consultant, M/s. Chandigarh Pollution Testing Laboratory.
- (iii) Sh. Sandeep Singh, Consultant, M/s. Chandigarh Pollution Testing Laboratory.

The Project Proponent has submitted an affidavit that the additional land of 2300 sqm has been acquired for green belt development at distance of 1250 m and 13340 no. of trees have been planted. Further, that this land shall not be used for any other purposes throughout the life cycle of the project and further no third-party interest shall be created on this land.

During meeting, the Environmental Consultant of the industry submitted an undertaking to the effect that none of the species as given in the EIA report is listed in the Schedule-I of the Wildlife (Protection) Act, 1972. SEAC took a copy of the same on record. The Committee was satisfied with the reply submitted by the industry. After deliberations, SEAC decided to recommend the case to SEIAA for amendment in Environmental Clearance issued vide letter no. DECC/SEIAA/2020/1781 dated 29.07.2020.

Item No. 228.06: Application for amendment in Environmental Clearance under EIA Notification dated 14.09.2006 of Steel Manufacturing Unit namely "M/s Shri Ambey Steel Industries" located at Peer Gajju Shah Road, Village Alour, Tehsil Khanna, District Ludhiana, Punjab (Proposal No. SIA/PB/IND/280922/2022).

The industry was granted Environmental Clearance for Expansion vide letter EC22B008PB112253 dated 12.05.2022 for production capacity of 1,89,400 TPA of MS Billets/Concast Billets/Flats/HR Coil/TMT Bars/Pipes with 3 Induction Furnace 2X15 TPH and 1X7 TPH, Rolling Mill and Pipe Plant at Peer Gajju Shah Road, Village Alour, Tehsil Khanna, District Ludhiana, Punjab.

The industry has applied for amendment in Environmental Clearance under EIA Notification dated 14.09.2006 of Steel Manufacturing Unit namely "M/s Shri Ambey Steel Industries" for installation of 1 Induction Furnace of capacity 30 TPH in place of the earlier proposed 2 Induction Furnaces of capacity 15 TPH each without change in other machinery. The production capacity, project area and proposed cost will also remain same.

The industry has submitted Form-4 along with copy of the earlier Environment Clearance granted to the project and self-certified compliance of the conditions imposed in the earlier Environment Clearance granted to the industry. The industry has also submitted EIA Addendum Report wherein amendment pertaining to change of configuration by installation of 1 Induction Furnace of 30 TPH in place of earlier proposed 2 Induction Furnaces of capacity 15 TPH each as per Environmental Clearance granted to the industry has been sought. A copy of the EIA Addendum Report may be perused by accessing the Parivesh Portal.

Deliberations during 228th meeting of SEAC held on 05.09.2022.

The meeting was attended by the following:

- (i) Mr. Puneet Jaidka, Partner, M/s Shri Ambey Steel Industries.
- (ii) Mr. Sandeep Garg, EIA Coordinator, M/s Eco laboratories Pvt Ltd.
- (iii) Mrs. Jyoti Rani, EIA Coordinator, M/s Eco laboratories Pvt. Ltd.

SEAC perused the application proposal of the industry and was satisfied with the presentation and reply given by the industry. After deliberations, SEAC decided to recommend the case to SEIAA for amendment in Environmental Clearance issued vide letter no. EC22B008PB112253 dated 12.05.2022.

Item No. 228.07: Application for Environmental Clearance 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/MIS/284601/2022).

1. History of the case:

Punjab Pollution Control Board (PPCB), Zonal Office-II, Ludhiana vide letter no. 7024 dated 11.10.2021 has send a copy of the visit report of surprise team along with reply of the subject cited hospital dated 17.08.2021 to SEIAA with a request to give comments regarding the applicability of EIA notification dated 14.09.2006.

The matter was placed in the 192nd meeting held on 01.11.2021 but could not be taken up due to paucity of time. The SEIAA decided to defer the matter and the same be placed in the agenda of next meeting of SEIAA scheduled on 08.11.2021.

1.0 Deliberations during 193rd meeting of SEIAA held on 10.11.2021.

The matter was considered by SEIAA in its 193rd meeting held on 10.11.2021 wherein SEIAA was apprised as above. SEIAA perused the visit report of PPCB sent vide letter dated 11.10.2021 and reply of the hospital submitted vide letter dated 17.08.2021 and it was observed as under: -

(i) Last sub para of para no. 4 of visit report

As per the letter submitted by hospital, the total built-up area of DMC hospital building is 20,932 sqm, HDHI hospital building is 23,690 sqm and Cancer Centre hospital building is 9,200 sqm i.e. total hospital buildings built-up area after expansion comes out to be 53,822 sqm. Therefore, the hospital is required to obtain environmental clearance under EIA notification dated 14.09.2006.

(ii) 1st point of para no. 8 of visit report

The hospital shall obtain Environmental Clearance under EIA Notification 2006.

(iii). Conclusion part of reply submitted by DMC Ludhiana

“HCF has total covered area built before 2006 and after 2006 is less than the prescribed threshold limits. Copy of approved Maps and copy of notification is enclosed for your reference and record. As per notification and Maps the HCF has notcrossed the threshold limit of <150000. So HCF is not covered under EIA and stands exempted.

HCF ensures that if our construction and built-up area crosses the threshold limit priorpermission will be taken well before the construction.”

SEIAA was apprised that the MoEF&CC Notification S.O. 5736 (E) dated 15.11.2015, has not been implemented by SEIAA Punjab since the Hon'ble High Court, Delhi in the matter of W.P (C) 12517/2018 & CM 48579/2018 and W.P(C) 12570/2018 & CM Application 48897/2018 vide order dated 26.11.2018 has stayed the implementation of this Notification. As such, MoEF&CC Notification No. SO 3999 (E) dated 09.12.2016 and subsequent clarifications in this regard are being followed by SEIAA, Punjab.

After perusal of the visit report of PPCB sent vide letter 11.10.2021, MoEF&CC Notification No S.O. 3999 (E) dated 09.12.2016 and stay order of H.C, Delhi dated 26.11.2018, SEIAA observed that construction of DMC Ludhiana comes under the ambit and attracts the provisions of EIA Notification 14.09.2006 as amended time to time.

After detailed deliberations, SEIAA decided to send a copy of order dated 26.11.2018 passed by the Hon'ble High Court Delhi to PPCB with a request to take necessary action against the Hospital as per the provisions of the EIA Notification dated 14.09.2006 as amended time to time.

Accordingly, SEIAA vide letter no. SEIAA/MS/2021/4813 dated 25.11.2021 asked Punjab Pollution Control Board to take necessary action against the Hospital as per the provisions of the EIA notification dated 14.09.2006. No action taken report has been received from Punjab Pollution Control Board so far.

2. Important Points in Visit Report of PPCB:

Punjab Pollution Control Board in the visit report dated 28.07.2021 has mentioned that as per the EIA notification dated 27.01.1994, any new or modernization in construction projects required Environmental Clearance. The Hospital has provided letter dated 20.08.1998, wherein it has been mentioned that HDHI (23690 sqm), Service block and Dietary block were under construction with built up area of these building as 271126 sqft. (25188 sqm). Therefore, the Hospital was required to obtain Environmental Clearance under EIA notification dated 27.01.1994.

Further, during visit it was observed that cancer centre, laundry house and bio-medical waste management service area have also been established in the premises of the Hospital after 2013. As per local sources, the Cancer Centre was constructed in the year 2014-15 and the laundry house as well as bio-medical waste management service area were constructed in the year 2016-17. As per representatives, the Cancer Centre has six floor and the total built up area of this building comes out to be about 9,200 sqm.

As per letter submitted by Hospital, the total built up area of main DMC Hospital building is 20,932 sqm, HDHI Hospital building is 23,690 sqm and Cancer Centre hospital building is 9200 sqm i.e. total hospital building built up area after expansion comes out be 53,822 sqm. Therefore, the hospital is required to obtain Environmental Clearance under EIA notification dated 14.09.2006.

3. Present Case:

The Hospital has submitted an application under EIA notification dated 14.09.2006 for "Dayanand Medical College & Hospital" located at Civil lines, Tagore Nagar, Ludhiana, Punjab, in the total land area of 63,880 sqm having built up area 141,367.27 sqm. The Project is covered under Activity 8(a) & Category 'B2' as per EIA notification-2006.

The subject cited Hospital is a 1625 bedded facility and had been granted Consent to Operate under the provisions of Air Act 1981 & Water Act 1974, which is valid up to 31.03.2024 & 31.01.2024 respectively. As per the application proposal the Hospital has proposed to carryout expansion by acquiring additional land area of 6816 sqm, which sums upto total land area of 63880 sqm. The Hospital claimed to construct the existing built up area of 100826.38 sqm as per the following time schedule.

Sr. No.	Approved built up area in sqm	Constructed built up area in sqm	Year
1.	79267.79	75921.39	1961-2000
2.	21558.59	7265.13	2013-2015
Total	1,00826.38	83,186.53	

The project proponent submitted the Form I, 1A and other additional documents along with processing fee amounting to Rs. 2,82,735/- vide UTR No. UBIN0903191 dated 04.03.2022, as checked & verified by the supporting staff SEIAA.

Punjab Pollution Control Board vide e-mail dated 25.08.2022 has been requested to send the latest construction status report. Further, Punjab Pollution Control Board vide letter no. 5541 dated 02.09.2022 has sent the latest construction status report with details as under:

"In reference to above, it is intimated that M/s Dayanand Medical college & Hospital Managing Society has applied for obtaining Environmental Clearance for expansion of the project namely Dayanand Medical College and Hospital at Civil Lines Tagore Nagar Ludhiana. Accordingly, the pointwise report w.r.t above referred e mail is as under:-

. Construction status of the proposed project. Please send the clear-cut report as to whether construction of the project has been started for the project except for securing the land.

The HCF has already constructed multiple building blocks including HERO DMC Heart, Main DMC Hospital Building, P.G Hostel, Sarai, Dietary Block, Front Building, Dumra Auditorium, Car Parking and Cancer Hospital having total built up area of all blocks @ 100826.38 Sqm. Now the HCF has proposed to construct Heart/ Neuro/ Gastro Science Block & to construct 5th 6th ,7th & 8th floor over the existing building of Hero DMC Heart having proposed built up area @ 45540.89 sqm. The site was visited by AEE of this office on 30.08.2022 & it has been observed that presently no construction activity has been started at the Ares where new block & expansion of existing building is proposed.

. Status of physical structures within a 500 m Radius of the site including the status of industries, drain, river, and eco-sensitive structures if any.

Status of physical structure within 500m radius of the site is a sunder: -

1. Industries- No Maximum accidental Hazard/ Air polluting industry is situated at the radius of 500 mtr from the proposed site.
2. Drain-yes, a drain namely buddha Nallah is existing at a distance of 300 mtr from the Hospital.
3. River-No, river is existing within a radius of 500 mtr from the proposed site.
4. Eco Sensitive Structure – No structure is falling at a distance of 800 mtr.

. Whether the site is meeting the prescribed criteria for setting up of such types of projects. Please send a clear-cut recommendation.

The building plan of the HCF had been approved by Municipal Corporation, Ludhiana for existing building. The HCF has obtained CLU for proposed building from Municipal Corporation, Ludhiana vide no. 594/ ATP-D dated 22.09.2020.”

Deliberations during 228th meeting of SEAC held on 05.09.2022.

The meeting was attended by the following:

- (i) Sh. Raj Kumar Goyal, Chief Engineer, M/s Dayanand Medical College & Hospital Managing Society.
- (ii) Sh. Sital Singh, Environmental Consultant, M/s. Chandigarh Pollution Testing Laboratory.
- (iii) Sh. Sandeep Singh, Consultant, M/s. Chandigarh Pollution Testing Laboratory.

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

Sr. No.	Description	Details			
1	Basic Details				
1.1	Name of Project	Dayanand Medical College & Hospital, Ludhiana			
1.2	Proposal:	SIA/PB/MIS/284601/2022			
1.3	Location of Industry:	Tagore Nagar, Civil lines, Ludhiana			
1.4	Details of Land area & Built up area:	Description	Existing (sqm)	Proposed (sqm)	Total (sqm)
		Net Plot area	57064	6816	63880
		Built up area	1,00,826.38	40,540.89	1,41,367.27
1.5	Category under EIA notification dated 14.09.2006	B2			
1.6	Cost of the project	Rs. 556.74Crore			
2.	Site Suitability Characteristics				

2.1	Whether site of the industry is suitable as per the provisions of Master Plan:	The site falls in Hospital & Health institutions zone as per Master Plan of Ludhiana. Further, the proposed expansion will be carried out by acquiring the land area of 1.67 acres (8149.36 sq.yards) for which CLU has already been obtained from Municipal Commissioner, Municipal Town Planner, Ludhiana vide Memo no. 594/ATP-D dated 22.09.2020.
2.2	Whether supporting document submitted in favour of statement at 2.1, details thereof: (CLU/building plan approval status)	Site is allotted for Hospital by Improvement Trust Ludhiana. No further change of land use is required for existing land. For additional land project proponent obtained permission for CLU of total land area of 8149.36 sqyards from Commissioner, Municipal Town Planner Ludhiana.
3	Forest, Wildlife and Green Area	
3.1	Whether the industry required clearance under the provisions of Forest Conservation Act 1980 or not:	No land is covered under the Forest Conservation Act 1980. An undertaking in this regard submitted.
3.2	Whether the industry required clearance under the provisions of Punjab Land Preservation Act (PLPA) 1900:	No land is covered under the Punjab Land Preservation Act (PLPA)1900. An undertaking in this regard 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. Thus, the industry does not require clearance under the provisions of Wildlife Protection Act 1972
3.4	Distance of the industry from the Critically Polluted Area.	The site located in Critically polluted area of Ludhiana. But general conditions are not applicable on Building construction projects.
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 Green area- 7017sqm Proposed number of trees- 800

	proposed No. of trees:						
4.	Configuration & Population						
4.1	Proposal & Configuration						
	SR. NO.	PARTICULARS	AREA (m²)				
	1.	Net Plot Area	Existing	Proposed	Total		
			57064	6816	63880		
	2.	Built up area	Existing	Proposed	Total		
			1,00,826.38	40540.89	141367.27		
	3.	Permissible Green area	6388				
		Proposed Green area	7017				
4.2	The details of the built-up area pertaining to the already constructed and proposed to be constructed building blocks is as under:						
	Sr. No.	COMPONENT DESCRIPTION	BUILT-UP AREA BETWEEN 1961-2000	BUILT-UP AREA BETWEEN 2013-2015	PROPOSED BUILTUP AREA (NEW BLOCK) HEART/NEURO/GASTRO SCs	PROPOSED BUILTUP AREA (04 FLOOR ABOVE HDHI)	TOTAL BUILTUP AREA
	1.	1 st BASEMENT	99878.20	110897.15			210775.35
	2.	MEZZANINE	2329.75	1694.35	27000.00		31024.10
	3.	2 nd BASEMENT	5906.25	77193.15	27000.00		110099.40
	4.	GROUND FLOOR	223221.30	2647.82	27000.00		252869.12
	5.	FIRST FLOOR	187920.61	1220.11	27000.00		216140.72
	6.	SECOND FLOOR	137011.00	9579.47	27000.00		173590.47
	7.	THIRD FLOOR	126680.00	9579.47	27000.00		163259.47
	8.	FOURTH FLOOR	52688.54	9579.47	27000.00		89268.01
	9.	FIFTH FLOOR	10801.75	9579.47	27000.00	34805.00	82186.22
	10.	SIXTH FLOOR	6484.00		27000.00	34805.00	68289.00
	11.	SEVENTH FLOOR			27000.00	34805.00	61805.00
	12.	EIGHTTH FLOOR			27000.00	34805.00	61805.00
		TOTAL IN SQFT	852921.40	231970.46	297000.00	139220.00	1521111.86
		TOTAL IN SQMT	79267.79	21558.59	27602.23	12938.66	141367.27
	*The above details are as per the conceptual plan submitted by the Hospital.						
4.2	Population details	14000					
5	Water						
5.1	Water demand Details:						

S. No.	Description	No. of Units	Population	Daily Water Req. per unit	No. of Units		Population		Total water Req. KLD
					Existing	Proposed	Existing	Proposed	
1	Indoor Beds	1625	1625	450	NIL	NIL			731.25
2	Attendants	1625	1625	135	NIL	NIL			219.37
3	Residential staff (Hostel)	500	500	135	NIL	NIL			67.50
4	Private room @2person/room	150	300	135	NIL	NIL			40.50
4	Employees 1650 @ three shifts	4950	4950	135	NIL	NIL			668.25
5	Visitors/OPD	-	5000	15	NIL	NIL			75.00
6	Laundry		LS		NIL	NIL			300.00
7	Kitchen		LS		NIL	NIL			190.00
8	Cooling Tower		LS		NIL	NIL			50.00
9	OT/LABs/Floor washing		LS		NIL	NIL			360.00
Total (KLD)					NIL	NIL			2701.87
5.2	Total fresh water requirement:	Total Water requirement- 2700 KLD							
5.3	Water demand and Wastewater generation details:								
5.4	Source:	Tubewell							
5.5	Whether Permission obtained for abstraction/supply of the fresh water from the Competent Authority (Y/N) <i>Details thereof</i>	Application for permission for abstraction of ground water is filed with PWRDA.							
5.6	Total water requirement for domestic purpose:	2701.87 KLD							
5.6.1	Total wastewater generation:	2.16 MLD							

5.6.2	<i>Treatment methodology for domestic wastewater: (STP capacity, technology & components)</i>	<p>STP-cum-ETP of 3 MLD installed, which is based on MBBR Technology. The main components of the STP are</p> <ul style="list-style-type: none"> • Bar screen and shutter gate • Equalization with diffused aeration • Primary tube settler • Bioreactor • Secondary tube settler • Dual media filter • Activated carbon filter <p>The total treated waste water generation to be received at the outlet of the STP shall be 2.12 MLD.</p>
5.7	Details of utilization of treated wastewater into green area in summer, winter and rainy season:	<p>Proposed green area to be developed within the project shall be 7017 sq.m for which the following quantity of the treated wastewater shall be utilized.</p> <p>Summer: 39 KLD Winter:13 KLD Rainy: 3.5 KLD</p>
	Details of utilization of treated wastewater for flushing purpose in summer, winter and rainy season:	<p>Below mentioned quantity of treated wastewater shall be utilized for flushing purpose.</p> <p>Summer: 500 KLD Winter:500 KLD Rainy: 500 KLD</p>
5.8	Utilization/Disposal of excess treated wastewater.	<p>Below mentioned quantity of excess treated wastewater shall be discharged in to public sewer.</p> <p>Summer: 1586 KLD Winter:1612 KLD Rainy: 1621.5 KLD</p>
5.9	Rain water harvesting proposal:	No proposal regarding RWH pits to be constructed has been submitted.
6	Air	
6.1	Details of Air Polluting machinery:	<p>5 no. of D.G. sets 4X1250KVA 1X500KVA</p>
6.2	Measures to be adopted to contain particulate emission/Air Pollution	Canopy equipped DG set with adequate height will be installed.
7	Waste Management	
7.1	Total quantity of solid waste generation	3.32 Ton/Day

7.2	Details of management and disposal of solid waste (Mechanical Composter/Compost pits)	<p>Solid waste The recyclables like paper, plastic, tins etc. is being sold to authorized vendors and the Municipal solid wastes to M/s A2Z waste Management Limited Ludhiana (approved vendor of MC Ludhiana)</p> <p>Hazardous waste-</p> <table border="1" data-bbox="576 461 1385 730"> <tr> <td data-bbox="576 461 635 613">1</td> <td data-bbox="635 461 767 613">STP cum ETP Sludge</td> <td data-bbox="767 461 943 613">Lump-sum/annum</td> <td data-bbox="943 461 1182 613">19.2Ton/annually</td> <td data-bbox="1182 461 1385 613">Ramky Engineers Limited Derra Bassi</td> </tr> <tr> <td data-bbox="576 613 635 730">2</td> <td data-bbox="635 613 767 730">Used oil (Itrs)</td> <td data-bbox="767 613 943 730">Lump-sum/annum</td> <td data-bbox="943 613 1182 730">500Itrs/annually</td> <td data-bbox="1182 613 1385 730">Sold to ----- authorized recyclers</td> </tr> </table>				1	STP cum ETP Sludge	Lump-sum/annum	19.2Ton/annually	Ramky Engineers Limited Derra Bassi	2	Used oil (Itrs)	Lump-sum/annum	500Itrs/annually	Sold to ----- authorized recyclers										
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7.3	Details of management of plastic waste generated from project	<p>Bio-medical waste- 1.5Ton/day</p> <table border="1" data-bbox="576 770 1385 1196"> <tr> <td data-bbox="576 770 767 846">Category-I</td> <td data-bbox="767 770 1078 846">Human Anatomical waste</td> <td data-bbox="1078 770 1206 1196" rowspan="4">1.5TPD</td> <td data-bbox="1206 770 1385 1196" rowspan="4">Sent to CBMWTF for final treatment</td> </tr> <tr> <td data-bbox="576 846 767 922">Category-IV</td> <td data-bbox="767 846 1078 922">Waste Sharps (Needle, syringes, blade etc)</td> </tr> <tr> <td data-bbox="576 922 767 1039">Category-VI</td> <td data-bbox="767 922 1078 1039">Solid waste (Item contaminated with blood & body fluid)</td> </tr> <tr> <td data-bbox="576 1039 767 1196">Category-VII</td> <td data-bbox="767 1039 1078 1196">Solid waste (Item other than the waste such as catheter, intravenous sets)</td> </tr> </table>				Category-I	Human Anatomical waste	1.5TPD	Sent to CBMWTF for final treatment	Category-IV	Waste Sharps (Needle, syringes, blade etc)	Category-VI	Solid waste (Item contaminated with blood & body fluid)	Category-VII	Solid waste (Item other than the waste such as catheter, intravenous sets)										
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Category-IV	Waste Sharps (Needle, syringes, blade etc)																								
Category-VI	Solid waste (Item contaminated with blood & body fluid)																								
Category-VII	Solid waste (Item other than the waste such as catheter, intravenous sets)																								
8	Energy Saving & EMP																								
8.1	Power Consumption:	Existing- 5000KVA Proposed- 1000KVA Total- 6000KVA																							
8.2	Energy saving measures:	LEDs will be employed for saving energy																							
8.3	<p>Details of activities under Environment Management Plan: For Construction Phase</p> <table border="1" data-bbox="296 1541 1385 1989"> <thead> <tr> <th data-bbox="296 1541 395 1675">SR. NO.</th> <th data-bbox="395 1541 683 1675">PARTICULARS</th> <th data-bbox="683 1541 868 1675">CAPITAL COST (LAC)</th> <th data-bbox="868 1541 1098 1675">RECURRING COST (LAC)</th> <th data-bbox="1098 1541 1385 1675">ITEMS COVERED</th> </tr> </thead> <tbody> <tr> <td data-bbox="296 1675 395 1800">1.</td> <td data-bbox="395 1675 683 1800">Medical Cum First Aid</td> <td colspan="2" data-bbox="683 1675 1098 1800">Already provided</td> <td data-bbox="1098 1675 1385 1800">First aid medical facility with first aid kit</td> </tr> <tr> <td data-bbox="296 1800 395 1899">2.</td> <td data-bbox="395 1800 683 1899">Toilets for workers</td> <td data-bbox="683 1800 868 1899">1.0</td> <td data-bbox="868 1800 1098 1899">0.5</td> <td data-bbox="1098 1800 1385 1899">Toilets with septic tank</td> </tr> <tr> <td data-bbox="296 1899 395 1989">3.</td> <td data-bbox="395 1899 683 1989">Wind breaking curtains</td> <td data-bbox="683 1899 868 1989">4.0</td> <td data-bbox="868 1899 1098 1989">0.5</td> <td data-bbox="1098 1899 1385 1989">Wind breaking walls at vulnerable areas</td> </tr> </tbody> </table>					SR. NO.	PARTICULARS	CAPITAL COST (LAC)	RECURRING COST (LAC)	ITEMS COVERED	1.	Medical Cum First Aid	Already provided		First aid medical facility with first aid kit	2.	Toilets for workers	1.0	0.5	Toilets with septic tank	3.	Wind breaking curtains	4.0	0.5	Wind breaking walls at vulnerable areas
SR. NO.	PARTICULARS	CAPITAL COST (LAC)	RECURRING COST (LAC)	ITEMS COVERED																					
1.	Medical Cum First Aid	Already provided		First aid medical facility with first aid kit																					
2.	Toilets for workers	1.0	0.5	Toilets with septic tank																					
3.	Wind breaking curtains	4.0	0.5	Wind breaking walls at vulnerable areas																					

4.	Sprinklers for suppression of dust	2.0	0.5	Sprinklers, Pipeline
Total Cost		Rs 7.0	Rs. 1.5	
For Operational Phase				
SR. NO.	PARTICULARS	CAPITAL COST (LAC)	RECURRING COST (LAC)	ITEMS COVERED
1.	Sewage Treatment Plant	Already installed		ETP-Cum-STP
2.	Solid Waste segregation & disposal	50.0	2.5	Colored Bins at appropriate Locations
3.	Green Belt including Lawns coverage	8.0	8.0 (for 3 years)	Plantation and landscaping
Total Cost		Rs. 58.0	Rs 10.5	

The Committee perused the visit report of the team constituted by Punjab Pollution control Board for carrying out the detailed audit of M/s Dayanand Medical College & Hospital, Ludhiana, submitted by Punjab Pollution Control Board vide letter No. PPCB/SEE/ZO-2/LDH/2021/7024 dated 11.10.2021 to Environmental Engineer, SEIAA.

The Committee further perused the letter dated 24.03.1998 written by Secretary, Managing Society, Dayanand Medical College & Hospital, Ludhiana, addressed to the Secretary, Local Govt, Punjab, Chandigarh, wherein, the details of the construction activity carried out for the existing buildings of the Hospital along with the buildings under construction were provided. As per the said details, the total covered area of existing structures on all floors was mentioned as 373157 sq.ft (34680 sqm) and covered area of the buildings under construction was mentioned as 2,71,126 sq.ft (25197 sqm).

The Committee also perused the visit report of Punjab Pollution Control Board wherein it was observed that Cancer Centre, laundry house and bio-medical waste management service area have also been established in the premises of the Hospital i.e., after 2013. As per local sources, the Cancer Centre was constructed in the year 2014-15 and the laundry house as well as bio-medical waste management service area were constructed in the year 2016-17. As per representatives, the Cancer Centre has six floor and the total built up area of this building comes out to be about 9,200 sqm.

The Hospital apprised the Committee that the Hospital had made construction during the

period 1961-2000. During period 2013-2015, construction of only Radiotherapy block was done, which has built up area of 7265.13 sqm, which is less than 20,000 sqm, as such, the Hospital does not attract the provisions of EIA notification dated 14.09.2006. Thus, the Hospital has not made any violation of EIA notification dated 14.09.2006.

On perusal of the above record, the Committee observed that the Hospital has carried out construction activity after year-2006, however, the details of the same have not been provided by the Hospital such as built-up area of laundry house, bio-medical waste management service area etc. The Committee asked the Project Proponent to provide year wise details of all the building components constructed till date along with their documentary proofs to enable the Committee to appraise the case as per the provisions of EIA notification dated 14.09.2006.

The Committee further observed that the Hospital has proposed to generate 3.32 Ton/day of Solid Waste and the Hospital has not submitted any adequate proposal for management of said waste. Furthermore, the Committee asked the Hospital to provide dedicated space in the layout plan for the management of solid waste.

The Committee further observed that the Hospital is generating 1.5 Ton/day of bio-medical waste and the same is being sent to common bio-medical waste treatment facility. The Committee asked the Hospital to provide valid agreement executed with CBMWTF for disposal of the said waste.

The Committee further observed that the Hospital has proposed to discharge maximum quantity of 1.6 MLD of treated wastewater into public sewer. The Committee asked the Hospital to explore the possibility for reusing the same within the Hospital.

The Committee observed that the Hospital is required to allocate funds under the following activities of Corporate Environment Responsibility (CER):

- 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.

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

- (i) The Hospital shall submit the year wise details of all the building component constructed till date along with their documentary proofs.
- (ii) The Hospital shall provide dedicated space for the management of solid waste management in the layout plan and submit the revised layout plan.
- (iii) The Hospital shall submit valid agreement executed with CBMWTF for the disposal of 1.5 TPD of the Bio-medical waste.
- (iv) The Hospital shall explore the possibility for reusing the excess treated waste water of 1.6 MLD proposed to be discharged into sewer.
- (v) The Hospital shall allocate funds up to 1% of the total project cost under the following Corporate Environment Responsibility (CER) activities:
 - a) Development of Mini Forests (Nanak Bagchi), raising of Avenue Plantations and Plantations in public/community areas.
 - b) Rejuvenation of Village Ponds.
 - c) Development of Infrastructure for utilization of treated effluent of STPs.
 - d) Provision of solar panels in the Government / Municipal / other public schools, hospitals and Dispensaries, etc.
 - e) Rainwater harvesting in Public Buildings.
 - f) Alternatives to Single Use Plastic.
 - g) Solid Waste Management
 - h) Other activities relating to amelioration of Air, Water and Soil pollution as prescribed in the applicable District Environment Plan (DEP).
 - i) Activities as proposed by the Project Proponent / their accredited consultants for the amelioration of Air, Water, and Soil pollution on the basis of field surveys and approved by SEIAA / SEAC.

Item No.228.08: Application for Environmental Clearance of new Steel Manufacturing Unit Namely M/s Antarctic Industries Ltd. (Unit-II) in the revenue estate of Village Barmalipur, Tehsil Payal, District Ludhiana, Punjab (Proposal No. SIA/PB/IND/82326/2021)

The industry is a new steel manufacturing unit and has been issued Terms of Reference vide SEIAA letter no. SEIAA/MS/2021/4011 dated 04.05.2021 for manufacturing of 4,72,500 TPA of Alloys/Non-Alloys Steel billets/Round, Coil, Wire Rod, TMT Bars and Flats by installing 4 Induction Furnaces (2x15 TPH each and 2x30 TPH each), LRF of 20 TPH, Casting Machine & Rolling Mill of 60 TPH.

The industry has submitted application proposal along with Final EIA report after incorporating the compliance of Terms of References and Compliance of Public Hearing decisions conducted on 31.05.2022. The Project is covered under Activity 3(a) & Category 'B1' as per EIA Notification dated 14.09.2006.

The industry has submitted the Form I and other additional documents through Parivesh portal. The industry has also deposited Rs. 2,92,500/- vide UTR No. PUNGH22222053224 dated 10.08.2022, as checked & verified by the supporting staff SEIAA.

Punjab Pollution Control Board vide letter no. 2781 dated 04.07.2022 has sent the latest construction status report with details as under:

"In this regard the site of the industry was visited by the officer of the Board on 31/05/2022 and the reported that :-

- 1. The site of the project is Located in the revenue estate of Vill. Barmalipur , Tehsil Payal, Distt. Ludhiana, Punjab at right side from Ludhiana to Kahan GT Road having co-ordinates 30.7696218, 76.0721197. No construction activity has been started at site and no proposed machinery has been installed/ arrived at site.*
- 2. At a distance of around 110 mtr from the boundary of proposed site, there is one school namely M/s Anand Ishar Public High School.*
- 3. There is one gurdwara Dhan Baba Kala Mehar at a distance of around 450 mtr from the boundary of proposed site.*
- 4. Mata Ganga College for girls is at a distance of around 1.980 km from the proposed site gurudwara Sh. Manji Sahib is at a distance of around 2 km from the proposed site. Sarai/Killa of Lakshari Khan is at a distance of around 2.20km from the boundary of proposed site.*
- 5. There is no residential area within 500 mtr form the Pheri Fheri of proposed site. The industrial unit M/s Sporting processor vill. Barmalipur is just adjoining to the proposes site.*
- 6. The industry has proposed to install the side hood and pulse jet bag house as APCD as per design of PSCST, Chandigarh with its proposed induction furnaces two of capacity 15 TPH and two of capacity 30 TPH. The industry has also proposed to install the alkali scrubber as APCD with its rolling mill. The APCD proposed are principally adequate. The industry has proposed to install STP of capacity 30 KLD for the treatment of its domestic sewage.*

7. The industry vide its letter has submitted the land use certificate issued by the DTP, Ludhiana vide letter no. 1465 dated 16.06.2022 in which it is mentioned that the said site as per the approved Master Plan Khanna (2010-2031) falls in the Industrial Zone and all the industrial activities are allowed in this zone. Hence as per DTP, this land is reserved for industrial zone as such it is suitable for the proposed establishment of the unit, however the industry is required to take the adequate safety measures as one existing school is near to it.”

Deliberations during 228th meeting of SEAC held on 05.09.2022.

The meeting was attended by the following:

- (i) Kartikey Jain, Director, M/s Antarctic Industries Limited.
- (ii) Sh. Sital Singh, Environmental Consultant, M/s. Chandigarh Pollution Testing Laboratory.
- (iii) Sh. Sandeep Singh, Consultant, M/s. Chandigarh Pollution Testing Laboratory.

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

Sr. No.	Description	Details
1	Basic Details	
1.1	Name of Industry & Project Proponent:	M/s Antarctic Industries Limited (Unit-II)
1.2	Proposal:	SIA/PB/IND/802326/2021
1.3	Location of Industry:	G.T. road, Village- Barmalipur Tehsil Payal District- Ludhiana, Punjab
1.4	Details of Land area & Built up area:	72843.4 sqm
1.5	Category under EIA notification dated 14.09.2006	B1
1.6	Cost of the project	Rs. 39 Crores
1.7	Compliance of Public Hearing Proceedings	Compliance of issues raised are attached as Annexure-I .
2.	Site Suitability Characteristics	
2.1	Whether site of the industry is suitable as per the provisions of Master Plan:	The project falls in industrial Zone as per master plan of Ludhiana.
2.2	Whether supporting document submitted in favour of statement at 2.1, details thereof:	The industry has obtained Land Use Classification letter issued by DTP, Ludhiana vide no. 1465 dated 16.06.2022, wherein, it has been mentioned that the site of the industry

	(CLU/building plan approval status)	falls in Industrial Zone as per the notified Master Plan, Khanna.		
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. An undertaking in this regard submitted. Further, an undertaking to the effect that the no species under schedule-I was found during the EIA study.		
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 for the same 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. Thus, the industry does not require clearance under the provisions of Wildlife Protection Act 1972		
3.4	Distance of the industry from the Critically Polluted Area.	Ludhiana- 20km. (Approx)		
3.5	Whether the industry falls within the influence of Eco-Sensitive Zone or not. <i>(Specify the distance from the nearest Eco sensitive zone)</i>	No, the industry does not fall within the influence of Eco-sensitive zone.		
3.6	Green area requirement and proposed No. of trees:	33% of total area i.e 24038 sqm is kept for green belt development. Proposed number of trees- 3604		
4.	Configuration & Population			
4.1	Proposal & Configuration	S.No.	Description	Proposed
		1.	Induction Furnace	2X15TPH and 2X30 TPH
		2.	Continuous Concast Machine	01 No.
		3.	Rolling Mill	01 No. (60 Ton Per Hour)
		4.	LRF	1X20 TPH
4.2	Population details	Employment- 615		
5	Water			
5.1	Total fresh water requirement:	Total Water requirement- 106 KLD Domestic- 28 KLD Cooling (makeup water) – 78 KLD		

5.2	Source:	Existing Tubewell
5.3	Whether Permission obtained for abstraction/supply of the fresh water from the Competent Authority (Y/N) <i>Details thereof</i>	Application for permission for abstraction of 106 KLD of ground water is filed with PWRDA.
5.4	Total water requirement for domestic purpose:	28 KLD
5.4.1	<i>Total wastewater generation:</i>	22.4 KLD
5.4.2	<i>Treatment methodology for domestic wastewater: (STP capacity, technology & components)</i>	STP will be installed for treatment of the domestic effluent.
5.5	Total water requirement for industrial purpose:	78 KLD
5.5.1	<i>Total effluent generation:</i>	No Industrial effluent will be generated
5.5.2	<i>Treatment methodology for industrial wastewater: (ETP capacity, technology & components)</i>	No treatment proposed as no effluent will be generated.
5.6	Details of utilization of treated wastewater into green area in summer, winter and rainy season:	Treated wastewater from STP will be used for plantation within the industrial premises. Summer- 28.4 KLD Winter- 28.4 KLD Rainy- 12 KLD
5.7	Details of utilization of treated wastewater for cooling purpose:	Treated wastewater from STP will be used for cooling purpose within the industrial premises. Summer- Nil KLD Winter- Nil KLD Rainy- 16.4 KLD
5.8	Rain water harvesting proposal:	Outside: The industrial unit has adopted one village pond for rain water harvesting at Village Barmalipur. The total recharge potential will be 1,57,500. NOC obtained from Sarpanch submitted. Inside: - A tank of 105 KLD is proposed for inside rain water harvesting using roof top of the project site.
6	Air	
6.1	Details of Air Polluting machinery:	
	Existing	
	S.No.	Source
	Capacity	APCD

	1.	Induction Furnace	02X15 TPH and 02X30 TPH	Side Suction hood, Pulse jet bag filter with offline technology having efficiency more than 99.9%.
	2.	Rolling Mill	01 no. (60 Ton Per Hour)	Alkali Scrubber
6.2	Measures to be adopted to contain particulate emission/Air Pollution		APCDs like Side suction hood, pulse jet bag filter with offline technology and alkali scrubber will be installed.	
7	Waste Management			
7.1	Slag generation & its management		About 40.5 TPD of slag will be generated and the same will be sold to M/s PD Products. A copy of agreement executed between M/s PD Products and M/s Antarctic Industries (Unit-II) Limited for collecting 40.50 TPD slag from the industry submitted.	
7.2	APCD dust generation & its management		About 3.5 TPD of APCD dust will be generated and same will be sent to M/s Madhav KRG Limited for final disposal. A copy of agreement executed between M/s Madhav KRG Limited and M/s Antarctic Industries Limited Unit-II submitted for lifting 3.5 TPD of Hazardous Waste.	
7.3	Hazardous Waste generation & its management		About 3.5 TPD of APCD dust will be generated and same will be sent to M/s Madhav KRG Limited for final disposal	
8	Energy Saving & EMP			
8.1	Power Consumption:		40MW	
8.2	Energy saving measures:		LEDs will be used.	
8.3	Details of activities proposed under Environment Management Plan:		submitted	
8.4	CER activities details:		Submitted	

Annexure-1

Sr. No	Name & address of the person	Detail of query/statement/information/clarification sought by the person at present	Reply of the query/statement/information/clarification given by the project proponent	Action Taken
1.	Sh. Gurinder Singh S/o Sukhdev Singh, Vill. - Barmalipur, Ludhiana	<p>1. There is one school near to this project, Gurudwara Manji Sahib and Gurudwara Kala Mehal within 5 Km of this project, what are the parameters for the same.</p> <p>2. There is one Saranh/Kila within 5 Km of this project, what are the parameters for the same.</p> <p>3. The ground water of village. Barmalipur is very bad, however same is reported better as per your report. Please inform when and with whom, the ground water samples have been collected. The person did not raised any objection on the establishment of this project, however raised the objection on the ground water sampling reports and requested for re-monitoring of ground water sample.</p>	<p>1. Environmental Consultant informed that these religious places does not come in the list notified religious places by the Govt., however till project proponent will adopt the proper safe guard.</p> <p>2.Environmental Consultant informed that this Saranh/Kila does not come in the list of notified heritage places, still the verification will be done in this regard.</p> <p>3. Environmental Consultant informed that in the month of Oct-Nov, 2021, within the 5 Km of the project total ground samples were collected from the 8 different locations, which were found satisfactory. These points were selected based on hydrology of water and on the base of filed survey. The sampling of these points were collected by the filed staff of consultant lab along-with representative of the village. The Environmental consultant further informed that no trade effluent</p>	<p>1. None of the places named by the participants has been listed as Archeological Important place by Govt of India and the state government. However, the project proponent shall monitor the air quality within and project boundary as per periodically in EC/Consent conditions during the construction/operation of plant. In addition, any social service requested by the villages will be provided to these religious places.</p> <p>2. The Ground water sampling was done as per the schedule submitted to SEAC and no metallic and biological contamination was found in the ground water samples. No trade effluent will be generated from the facility. However, Ground water monitoring within the premises and Barmalipur village will be done once in six months after the grant of EC.</p>

			will generated from the present project hence it will not impact ground water.	
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The Committee perused the EMP and observed that the recurring cost proposed for APCD is 20 lacs, which is on lower side. The Committee asked the industry to submit the revised EMP after incorporating the revised cost for APCD. The industry submitted revised EMP after mentioning recurring cost of APCD as 160 lacs with details as under:

S. No.	Title	Capital Cost Rs. Lakh	Recurring Cost Rs. Lakh
1	Pollution Control during construction stage	--	3.0
2	Air Pollution Control (Installation of APCD)	300.0	160
3	Water Pollution Control (Installation of STP @ 30 KLD)	30	5.0
4	Green Belt development	36.04	36.04 (for 3 years)
5	Noise Pollution Control	3.0	--
5	Solid/ Hazardous Waste Management	25.0	5.0
6	Environment Monitoring and Management	5.0	0.50
7	Occupational Health, Safety and Risk Management	10.0	1.0
8	RWH	10.0	0.50
9	CER Activities	39.0	-
9	Miscellaneous	3.0	---
	TOTAL	461.04 lakh	211.04 Lakh

The Committee further asked the industry to install variable frequency drive with Air Pollution Control Devices and also use energy efficient motors. In this regard, the industry apprised the Committee that all the electric motors including furnace of latest technology with minimum consumption of electricity will be installed. Further, all Air Pollution Control Device motors will be fitted with VFD for judicious use of electricity. The Committee was satisfied with the reply given by the industry.

The Environmental Consultant of the industry submitted an undertaking, counter signed by the Project Proponent, to the effect that none of the species mentioned in Schedule-I of Wildlife (Protection) Act 1972 were found during the EIA study carried out for the project. The Committee took a copy of same on record.

The industry apprised the Committee that Rs. 39 lacs shall be spent on CER activities with details as under:

S.No.	CER Activities	Description	Capital cost (Rs. in Lakhs)	Recurring Cost (Rs. in Lakhs)
1.	Rejuvenation of village Pond Barmalipur	Area of Village pond- 3.7 acres	24.0	3.0
2.	Plantation in village- Barmalipur	1000m along road both sides Total no. of trees - 300	4.0	4.0 for 3 years
3.	Plantation around the periphery of village pond Barmalipur	Total no. of trees- 200 trees	2.0	2.0 for 3 years
Total			39.0	

The Committee was satisfied with the presentation given by the industry and after deliberations, it was decided to award '**Silver Grading**' to the project proposal under category B1, Activity 3 (a) and to forward the application to SEIAA with the recommendations to grant Environmental Clearance for manufacturing of 4,72,500 TPA of Alloys/Non-Alloys Steel billets/Round, Coil, Wire Rod, TMT Bars and Flats by installing 4 Induction Furnaces (2x15 TPH each and 2x30 TPH each), LRF of 20 TPH, Casting Machine & Rolling Mill of 60 TPH at **Village Barmalipur, Tehsil Payal, District Ludhiana, Punjab** subject to the following special condition and standard conditions as under: -

Special Condition:

- i) The industry shall install online continuous air emission monitoring system, at the inlet as well as the outlet of each APCD, for monitoring the SPM.

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 carryout rainwater harvesting to the maximum possible extent. For this, 1 no. of pond at Village Barmalipur, Tehsil Payal, District Ludhiana, Punjab having recharge potential of volume @ 78,750 m³/Year shall be adopted to recharge the ground 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 24038 Sqm with native tree species in accordance with SEIAA guidelines. Total 3604 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 461.04 Lakhs towards the capital cost and Rs 211.04 Lakhs/annum towards recurring cost including the environmental monitoring cost for the implementation of EMP as proposed in EMP plan as under:

S. No.	Title	Capital Cost Rs. Lakh	Recurring Cost Rs. Lakh
1	Pollution Control during construction stage	--	3.0

2	Air Pollution Control (Installation of APCD)	300.0	160
3	Water Pollution Control (Installation of STP @ 30 KLD)	30	5.0
4	Green Belt development	36.04	36.04 (for 3 years)
5	Noise Pollution Control	3.0	--
5	Solid/ Hazardous Waste Management	25.0	5.0
6	Environment Monitoring and Management	5.0	0.50
7	Occupational Health, Safety and Risk Management	10.0	1.0
8	RWH	10.0	0.50
9	CER Activities	39.0	-
9	Miscellaneous	3.0	---
	TOTAL	461.04 lakh	211.04 Lakh

CER Activities:

S.No.	CER Activities	Description	Capital cost (Rs. in Lakhs)	Recurring Cost (Rs. in Lakhs)
1.	Rejuvenation of village Pond Barmalipur	Area of Village pond- 3.7 acres	24.0	3.0
2.	Plantation in village- Barmalipur	1000m along road both sides Total no. of trees - 300	4.0	4.0 for 3 years
3.	Plantation around the periphery of village pond Barmalipur	Total no. of trees- 200 trees	2.0	2.0 for 3 years
Total			39.0	

- 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.228.09: Application obtaining of Environment Clearance for minor minerals (Sand) from the bed of river Ravi in the revenue estate of Village Kot Rajada, Tehsil Ajnala, District Amritsar, Punjab by Sh. Preemdeep Singh Shergill S/o Amarjit Singh (Proposal No. SIA/PB/MIN/83011/2018)

Background:

Sh. Premdeep Singh Shergill S/o Amarjit Singh vide online application bearing proposal no. SIA/PB/MIN/75585/2018 has applied for obtaining environmental clearance under EIA notification dated 14.09.2006 for mining of minor minerals (Sand) from the bed of river Ravi in the revenue estate of village Kot Rajda, Tehsil Ajnala, District Amritsar. The project is covered under category 1 (a) of the Schedule appended to the said notification.

1.1 Deliberations during 175th meeting of SEAC held on 22.01.2019

The case was placed in the various meeting of SEAC and finally in the 175th meeting held on 22.01.2019 wherein after detailed deliberations, the SEAC decided to recommend the case to SEIAA: -

- i. For advising the GMDIC, Amritsar/M/s Shivalik Solid Waste Management Ltd., Zirakpur, Environmental Consultant to withdraw the old application earlier submitted online (Proposal No. SIA/PB/MIN/70513/2017) for the same site.

- ii. For grant of environmental clearance for mining of minor minerals to Sh. Premdeep Singh Shergil S/o Sh. Amarjit Singh in an area of 6.085 hectares having HB No. 59, bearing Khasra Nos 40//21, 22, 23, 24, 25, 43//1, 2, 3, 4, 5/1, 5/2, 6/1, 6/2, 7, 8, 15, 44//1/1, 1/2, 10/1, 10/2, 11 Geo Coordinates 31° 56'40.94"N 74°48'27.92"E, 31°56'38.87"N, 75°48'33.91"E, 31° 56'33.14"N, 74°48'24.51"E, 31°56'30.37"N, 74°48'26.80"E, 31°56'26.35"N, 74°48'18.30"E, 31°56'20.11"N,74°48'30.24"E, 31°56'36.86"N, 74°48'26.76"E, 31°56'28.38"N, 74°48'38.32"E from the bed of river ravi in the revenue estate of village Kot Rajada, Tehsil Ajnala, District Amritsar, by semi mechanized method, subject to the proposed measures and certain conditions.

1.2 Deliberations during 144th meeting of SEIAA held on 22.02.2019

The case was considered by the SEIAA in its 144th meeting held on 22.02.2019 and the same was attended by the following on behalf of the project proponent: -

- (i) Sh. Premdeep Singh S/o Sh. Amarjit Singh, Proprietor of the promoter company.
- (ii) Dr. Sandeep Garg, EIA coordinator, M/s ECO laboratories & Consultants Pvt. Ltd., Environment consultant of the promoter company.

Before allowing the environmental consultant of project proponent to present the salient features of the project, SEIAA queried to the project proponent regarding distance of international boundary from the mining site. In reply to the query, the project proponent submitted that though the distance of the international boundary is 2.5 kms but as per notification dated 14.08.2018 issued by the MoEF&CC, New Delhi, the clause of "General Conditions" shall apply except for project or activity of mining of minor minerals of Category 'B2' (up to 25 ha of mining lease area) and their mining project site is category B2 project having mining lease area of approx. 6 hectares which is less than 25 hectares. Thus, General Condition is not applicable to their project. He submitted a copy of aforesaid notification in the meeting and the same was taken on record by the SEIAA.

SEIAA further queried whether public hearing has been carried out as per the provision of OM dated 12.12.2018. To this, he replied that public hearing is not required as per the MoEF&CC, New Delhi notification dated 15.01.2016. SEIAA informed that Hon'ble NGT has passed the order dated 11.12.2018 in the Executive Application 55/2018 in Original Application No. 520 Of 2016 and made it clear that till a fresh Notification is issued by the MoEF&CC, notification dated 15.01.2016 will not be acted upon.

SEIAA observed that as per the OM dated 12.12.2018, the mining projects with mining area between 5 ha to 25 ha under Category B2 are required to be dealt with at par with Category B1 Projects and Public Consultation has been made mandatory for the same. However, in present case, no public hearing has been conducted.

After deliberations, SEIAA decided to remand the case to SEAC to re-examine the same in light of the NGT orders dated 13.09.2018, 11.12.2018 and MoEF&CC Office Memorandum dated 12.12.2018 w.r.t applicability of the General Conditions and public hearing in this case and send the recommendations accordingly

1.3 Deliberations during 177th meeting of SEAC held on 13.03.2019

The case was considered by the SEAC in its 177th meeting held on 13.03.2019 and the same was attended by Dr. Sandeep Garg, EIA coordinator, M/s ECO laboratories & Consultants Pvt. Ltd., Environment consultant of the promoter company. He stated that the project proponent is not able to attend the meeting due to some unavoidable circumstances and requested to consider the case in the next meeting of SEAC. An email dated 12.03.2019 has also been received from the Environmental Consultant wherein a request letter of Sh. Premdeep Singh Shergill S/o Sh. Amarjit Singh, (Project Proponent) has been attached mentioning that due to unavoidable circumstances, he will not be able to present his case in 176th meeting of SEAC and has requested to consider the case in next meeting. SEAC took the request letter of project proponent on record. However, SEAC asked the Environmental Consultant as to

whether he has to say anything in the matter except what has been conveyed by him in the 144th meeting of SEIAA held on 22.02.2019. To this, the environmental consultant stated that they do not have any additional document at this stage to support their claim.

Thereafter, SEAC perused the orders dated 13.09.2018 & 11.12.2018 passed by Hon'ble NGT, New Delhi and observed that Hon'ble NGT has suspended notification dated 15.01.2016 till fresh notification is issued by MoEF&CC & same will not be acted upon. SEAC also perused the notification dated 14.08.2018 and observed that General Conditions are not applicable for category B2 cases having mining area up to 25 ha. SEAC opined that Hon'ble NGT has not passed any direction in reference to the MoEF notification dated 14.08.2018 in its order dated 13.09.2018 & 11.12.2018, as such, clarification is required to be taken from the MoEF&CC, New Delhi w.r.t validity of notification dated 14.08.2018 so as to decide the applicability of General Condition in the matter.

SEAC also perused the office Memorandum dated 12.12.2018 and noted that the cases of category B2 are required to be considered at par with category B1 as such, the present case is required to go through the process of Public hearing to be conducted by State Pollution Control Board.

After detailed deliberations, SEAC decided to defer the case and decided that:

1. SEIAA be recommended to seek a clarification from the MoEF&CC as to whether notification 14.08.2018 is operative or not, in light of the Hon'ble NGT orders dated 11.12.2018 so as to decide the applicability of General Condition in the matter.
2. SEIAA be recommended to advise the project proponent to submit an application to Punjab Pollution Control Board for getting the Public Hearing to be conducted in light of the OM dated 12.12.2018.
3. Project Proponent be informed that he is at liberty to bring any additional document in support of his claim regarding non-applicability of General condition in their case. In case, any document is submitted by him, the same will be placed before SEAC in its next meeting.

1.4 Deliberations during 145th meeting of SEIAA held on 15.03.2019

The case was considered by the SEIAA in its 145th meeting held on 15.03.2019. But no one has attended the said meeting on behalf of project proponent.

SEIAA observed that SEAC has recommended to seek a clarification from the MoEF&CC as to whether notification 14.08.2018 is operative or not, in light of the Hon'ble NGT orders dated

11.12.2018 so as to decide the applicability of General Condition in the matter. SEIAA further observed that as per the procedure laid in the EIA Notification, 2006 amended from time to time for conducting Public Hearing, initially TOR are required to be issued to the Project Proponent in order to enable his Environmental Consultant to prepare draft EIA report. After the preparation of draft EIA report, the project proponent can submit the same to SPCB for getting the Public Hearing to be conducted in the matter.

In the present case, TOR to project proponent cannot be issued till clarification from MoEF&CC regarding applicability of General Condition has been received to decide whether competency to deal with this project lies with SEIAA or MoEF&CC. Therefore, at this stage, Project Proponent cannot be advised to act as per recommendation of SEAC mentioned at Sr.No.2 & Sr.No.3.

After detailed deliberation, SEIAA decided as under:

1. Clarification be sought from the MoEF&CC as to whether notification 14.08.2018 is operative or not, in light of the Hon'ble NGT orders dated 11.12.2018 so as to decide the applicability of General Condition in the matter.
2. Decision w.r.t Sr.No.2 & 3 of the recommendation of the SEAC will be taken after the clarification at Sr.No.1 is received.

In compliance to the aforesaid decision, MoEF&CC, New Delhi has been requested vide no.335 dated 02.04.2019 to clarify as above. It is submitted that however, no reply has been received from the MoEF&CC so far.

It is relevant to mention here that while deciding the other application for obtaining environmental clearance under EIA notification dated 14.09.2006 for mining of minor minerals (Sand) from the bed of river Ravi in the revenue estate of village Kot Rajda, Tehsil Ajnala, District Amritsar, Punjab of General Manager cum Mining Officer, District Industries Centre, Amritsar.(Proposal No. SIA/PB/MIN/70513/2017) placed in its 160th meeting held on 30.01.2020, SEIAA decided among other decision as under:-

- 1) Directorate of Environment & Climate Change be requested to engage advocate on behalf of SEIAA to defend the matter in the Hon'ble High Court.
- 2) Reply in the CWP No 20853 of 2019 titled Premdeep Singh Shergill Vs State of Punjab be prepared and sent to Counsel engaged in the case for seeking any further additions / suggestions. As and when draft reply is received from the counsel, the same may be placed in the meeting of SEIAA for perusal/consideration, for filing the final reply in the Hon'ble High Court before 23.03.2020.

In compliance to the above decision, the following actions have been taken:

- i) Since, DECC has no legal cell, it was decided in the similar case that PPCB be asked to extend legal support in the matter. Accordingly, Member Secretary, PPCB was requested vide letter no 1434 dated 03.02.2020 to engage Sh. Suveer Sheokand, Addl. AG, Punjab as counsel on behalf of SEIAA in the matter so that reply can be filed in the Hon'ble Punjab & Haryana High Court at the earliest. Accordingly, Sh. Suveer Sheokand, Addl. AG, Punjab has been engaged by the PPCB in the matter vide letter no 5711 dated 19.02.2020.
- ii) Draft reply in the matter is being prepared, which is will be placed in the next meeting of SEIAA.

It is further added here that

- 1) MoEF vide notification no. S.O. 3977(E) dated 14.08.2018 has made the following amendment in the EIA Notification dated 14.09.2006: -
 - a) The project/ activities related to mining of minerals (Non-Coal Mines) of area less than 100 hectare fall under Category-B projects.
 - b) General Conditions shall apply except:
 - a. for project or activity of mining of minor minerals of Category 'B2' (up to 25ha of mining lease area);
 - b. for project or activity of mining of minor minerals of Category 'B1' in case of cluster of mining lease area; and
 - c. River bed mining projects on account of inter-state boundary.
- 2) SEAC also perused the office Memorandum dated 12.12.2018 and noted that the cases of category B2 are required to be considered at par with category B1 as such, the present case being area more than 5 ha, is required to go through the process of public hearing to be conducted by State Pollution Control Board.

1.5 Deliberations during 161st meeting of SEIAA held on 27.02.2020.

The case was considered by the SEIAA in its 161st meeting held on 27.02.2020. But no one has attended the said meeting on behalf of project proponent.

SEIAA was apprised that project proponent was requested vide email dated 26.02.2020 to attend the meeting of SEIAA to be held on 27.02.2020 at 11:00 AM in Conference Hall-3, PSCST, MGSIPA Complex, Sector 26, Chandigarh and copy of the same was also forwarded to his consultant for information and necessary action.

After detailed deliberation, SEIAA decided as under:

- i) Another opportunity be given to the project proponent to attend the next meeting of SEIAA as and when scheduled.

- ii) Draft reply in the matter be prepared in consultation with advocate engaged in the matter at the earliest and same be placed in the next meeting of SEIAA as and when scheduled

In compliance to the above decision, the following actions have been taken:

- i) Project proponent was requested to attend vide email dated 18.03.2020 to attend the meeting of SEIAA to be held on 19.03.2020 at 11:00 AM in Conference Hall of PSCST, MGSIPA Complex, Sector 26, Chandigarh and also informed telephonically on dated 18.03.2020
- ii) Draft reply in the matter has been prepared in consultation with advocate engaged in the matter, which is annexed as Annexure-A of the agenda.

1.6 Deliberations during 162nd meeting of SEIAA held on 19.03.2020.

The case was considered by the SEIAA in its 162th meeting held on 19.03.2020 and the same was attended by the following on behalf of the project proponent: -

- (i) Sh. Premdeep Singh S/o Sh. Amarjit Singh, project proponent.
- (ii) Sh. S.K Rana and Sh. Ashish Rana, Advocates on behalf of the project proponent
- (iii) Dr. Sandeep Garg, EIA coordinator, M/s ECO laboratories & Consultants Pvt. Ltd., Environment consultant of the project proponent.

SEIAA perused the written statement to be filed in the Hon'ble Court in the matter and suggested some amendments. Sh. Premdeep Singh Shergill, complainant requested to consider the pending application for grant of Environmental Clearance in light of MoEF Notification dated 14.08.2018, as the NGT order dated 13.09.2018 & 11.11.2018 had already been challenged in the Hon'ble Supreme Court and they were suffering from huge financial loss.

To a query of SEIAA regarding availability of any stay order in the matter passed by the Hon'ble Supreme Court, the project proponent failed to show any such order.

SEIAA further observed that clarification in the matter from the MoEF&CC regarding notification dated 14.08.2018, is yet awaited. Even if it is assumed that notification dated 14.08.2018 is operational even then General condition is applicable to their project as the river bed mining projects are exempted only in case of interstate boundary and not for the project where the international boundary falls within 5 Km of the project site. In this case, as per the coordinates mentioned in the application, the international boundary is located at a distance of about 1.6 Km from the nearest point of the project site. Hence, the competency to decide the application lies with MoEF&CC only, as the project is to be treated as a Category A project.

After considering the above facts, Project proponent requested to defer the application submitted for obtaining environmental clearance under EIA notification dated 14.09.2006 for

mining of minor minerals (Sand) from the bed of river Ravi in the revenue estate of village Kot Rajada, Tehsil Ajnala, District Amritsar, Punjab (Proposal No. SIA/PB/MIN/75585/2018)

After detailed deliberations, SEIAA decided as under: -

- i) to defer the case since clarification sought from MoEF&CC is still awaited and project proponent requested to defer the case.
- ii) Member Secretary, SEIAA shall file the amended written statement by way of affidavit (Annexure-A) on behalf of Respondents No. 05 i.e., SEIAA, Punjab, in the Hon'ble Punjab & Haryana High Court, Chandigarh.

With respect no decision no (i), it is pertinent to mention here that no clarification has been received from the MoEF&CC till date. Further, the reply was filed in the Hon'ble Punjab and Haryana High Court and the case is listed for hearing on 23.03.2021.

1.7 Deliberations during 176th meeting of SEIAA held on 19.02.2021.

The case was considered by SEIAA in its 176th meeting held on 19.02.2021, wherein, SEIAA observed that clarification in the matter from the MoEF&CC regarding notification dated 14.08.2018, is still awaited. Even if it is assumed that notification dated 14.08.2018 is operational, General conditions would be applicable to their project as the river bed mining projects are exempted only in case of interstate boundary and not for the projects where the international boundary falls within 5 Km of the project site.

In this case, as per the coordinates mentioned in the application, the international boundary is located at a distance of about 1.6 Km from the nearest point of the project site. Hence the competency to decide the application lies with MoEF&CC only, as the project is to be treated as a Category A project.

After detailed deliberations, SEIAA decided that the advocate engaged in the matter be reminded a day before the date of hearing to attend the Court and the matter be followed up regularly.

The progress of the ongoing court cases was reviewed by SEIAA in its various meeting held time to time and lastly in the 195th meeting held on 14.12.2021.

In compliance with the decision of 195th meeting held on 14.12.2021, a copy of the order dated 10.11.2021 passed in the CWP 20853/2019 has been sent vide letter no. 4946 dated 20.12.2021 to the Regional Office, MoEF&CC, Chandigarh through email on 20.12.2021.

Hon'ble High Court heard the CWP 20853/2019 on 21.12.2021. In compliance with the previous order dated 10.11.2021, MoEF&CC has submitted affidavit to the effect that as per the notification dated 14.08.2018, the clause of General Conditions shall apply except for project r activity of mining of minor minerals of Category B2 (up to 25.0 ha of mine lease area). Therefore, SEIAA is the competent authority to grant Environmental Clearance to the petitioner. The order passed by the Hon'ble High Court on 21.12.2021 is annexed as Annexure-1 of the agenda for kind perusal. The case is now listed on 14.01.2022.

Project proponent and his Environmental Consultant has already been requested telephonically as well as through whatsapp message dated 22.12.2021 to appear in the 196th meeting of SEIAA to be held on 28.12.2021 (Tuesday) in the Conference Hall no. 1 (Room No 311), 2nd Floor of MGSIPA at 10:30 AM, MGSIPA Complex, Sector-26, Chandigarh and present the case.

In compliance with the order dated 21.12.2021 passed by the Hon'ble High Court, the matter is again placed before SEIAA for consideration.

2.0 Deliberations during 196th meeting of SEIAA held on 28.12.2021.

The case was considered by SEIAA in its 196th meeting held on 28.12.2021, which was attended by the following on behalf of the project proponent:

- (i) Sh. Premdeep Singh Shergill S/o Sh. Amarjit Singh, project proponent (Lease Holder).
- (ii) Sh. S.K Rana and Sh. Ashish Rana, Advocates on behalf of the project proponent
- (iii) Dr. Sandeep Garg, EIA coordinator, M/s ECO laboratories & Consultants Pvt. Ltd., Environment consultant of the project proponent.

SEIAA was apprised background of the case as above. SEIAA perused the orders of Hon'ble High Court passed on 21.12.2021 and observed as under:

- (i) Respondent No.4 (MoEF&CC) had filed an affidavit dt.20.12.2021 in the Hon'ble High Court, specifically stating that respondent No.5 (SEIAA, Punjab) is the competent authority to consider the grant of Environmental Clearance of Mining Lease to the petitioner.
- (ii) Having regard to the said affidavit placed on record by the counsel for respondent No.4, it is stated by the counsel for respondent No.5 (SEIAA) that respondent No.5 will consider the application of the petitioner for granting Environmental Clearance of Mining Lease to him on 28.12.2021, in accordance with law.
- (iii) Learned counsel for the petitioner shall instruct the petitioner to be present in the hearing before respondent No.5 on 28.12.2021.
- (iv) The matter was adjourned to 14.01.2022.

Environmental Engineer, SEIAA apprised that as per the OM dated 12.12.2018, the mining projects with mining area between 5 ha to 25 ha under Category B2 are required to be dealt with at par with Category B1 Projects and Public Consultation has been made mandatory for the same. The applicant has submitted an application for obtaining Environmental Clearance for mining in an area of 6.085 ha from the bed of river Ravi in the revenue estate of village Kot Razada, Tehsil Ajnala, District Amritsar by semi-mechanized method. In the present case, no public hearing has been conducted which is mandatory as per the OM dated 12.12.2018.

To this, the project proponent informed that Ministry of Environment, Forest & Climate Change, New Delhi has issued notification dated 14.08.2018 according to which an affidavit has been submitted before the Hon'ble High Court, Chandigarh stating that the competency

As evident from the foregoing, OM dated 12.12.2018 was issued by the MOEF&CC in compliance with and to give effect to the directions of the Hon'ble NGT in OA No's 173 of 2018 and OA No 186 of 2016.

The SEIAA further observed that SEAC in its 177th meeting held on 13.03.2019 has also recommended that the project proponent be advised to submit an application to PPCB for getting the public consultancy conducted in light of OM dated 12.12.2018.

For the aforesaid reasons and considerations, the Authority found no merit in the submissions made by the Project Proponent that OM dated 12.12.2018 issued by the MOEF&CC should be disregarded and that the Environmental Clearance for sand mining should be granted for their Project without conducting Public Consultancy as mandated under this OM.

After detailed deliberations, SEIAA decided as under:

- (i) Being a mandatory pre-condition and part of the due process for consideration of the case for grant of Environmental Clearance in such category of cases, Terms of Reference (TORs) be issued to the project proponent for preparing EIA report and conducting public consultation as per **Annexure-1** of the proceedings
- (ii) A copy of the TOR letter be sent to the Regional Office, MoEF&CC, Chandigarh for information stating that procedure defined in the OM dated 12.12.2018 and appendix-IV of the EIA Notification 14.09.2006 as amended time to time has been followed for the public consultation. In case there is any discrepancy in the procedure prescribed, SEIAA Punjab may be informed accordingly as this is the first such case within 5 km of International Boundary which has been decided by SEIAA, Punjab, in view of the affidavit submitted by the MoEF&CC in this matter in the Hon'ble High Court.
- (iii) SEIAA further decided that after issuing the Terms of Reference to the project proponent, in view of the order passed by the Hon'ble High Court on 21.12.2021, the status report be filed in the Hon'ble High Court through Member Secretary, SEIAA.

In compliance with the aforesaid decisions, the following action have been taken:

- i) Terms of Reference (TORs) will be issued to the project proponent by 04.01.2022 for preparing EIA report and conducting public consultation.
- ii) A copy of the TOR letter will be sent to the Regional Office, MoEF&CC, Chandigarh for information by 04.01.2022.
- iii) The status report by way of affidavit to be filed in the Hon'ble High Court through Member Secretary, SEIAA has been prepared in consultation with advocate engaged in the matter and the same was annexed as Annexure-1 of the agenda.

3.0 Deliberations during 197th meeting of SEIAA held on 06.01.2022.

SEIAA was apprised as above. SEIAA perused the status report by way of affidavit to be filed

in the Hon'ble High Court through Member Secretary, SEIAA. After deliberation, SEIAA decided to approve the said affidavit without any amendments and ask the Environmental Engineer, SEIAA to file the same in the Hon'ble High Court, Chandigarh on behalf of Respondent No 5 i.e. SEIAA well before the next date of hearing.

Present Case:

The Project Proponent has submitted Form-2, EIA report along with relevant annexures. The Project Proponent has proposed to carryout mining in the land area of 6.085 Ha. for excavation of 266158 TPA of mining materials. The project is covered under category 1(a) of the schedule appended with EIA notification dated 14.09.2006. The Project Proponent has deposited Rs. 12,170/- vide transaction ID No. 224118990064 dated 29.08.2022, which is checked and verified by the supporting staff SEIAA.

The Project Proponent has submitted EIA report after incorporating the compliance pertaining to the Terms of Reference issued by SEIAA vide letter No. SEIAA/MS/2022/4988 dated 06.01.2022 and proceedings of public hearing conducted on 12.07.2022.

Deliberations during 228th meeting of SEAC held on 05.09.2022.

The meeting was attended by the following:

- (i) Mr. Premdeep Singh Shergill S/o Sh. Amarjit Singh, project proponent (Lease Holder).
- (ii) Mr. Sandeep Garg, 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 features of the project. He, thereafter, presented the case as under:

Sr. No.	Item No.	Details
1.	Nature of Project	Sand Mining Project at Village- Kot Razada, Tehsil- Ajnala, District- Amritsar, Punjab by Sh. Premdeep Singh Shergill S/o Sh. Amarjit Singh
2.	Category/Activity	Schedule: 1(a): Mining (Non-Coal Mining) Category: B-2
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 Project: Rs. 48,90,000. b. The break-up of the project cost :N/A

	b. Total project cost breakup at current price level																								
5.	Plot Area Details	<p>Area breakup of the project is given below:</p> <table border="1"> <thead> <tr> <th>S. No.</th> <th>Description</th> <th>Area (in Ha)</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>River Bed</td> <td>6.085</td> </tr> <tr> <td colspan="2">Total Area</td> <td>6.085 Ha</td> </tr> </tbody> </table>	S. No.	Description	Area (in Ha)	1.	River Bed	6.085	Total Area		6.085 Ha														
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1.	River Bed	6.085																							
Total Area		6.085 Ha																							
6.	ToR Compliance Report	Submitted																							
7.	Compliance Report of Public Hearing Proceedings (Action Taken)	No action proposed to be taken in compliance to the queries/observations raised by the General public during public hearing held on 12.07.2022 submitted.																							
8.	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.	Yes, litigation is pending against the project in Punjab & Haryana High Court vide case no. 20853, year 2019.																							
9.	<p>Details of the products given below:</p> <table border="1"> <thead> <tr> <th>S. No.</th> <th>Product Name</th> <th>Capacity</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Sand</td> <td>2,66,158 TPA</td> </tr> </tbody> </table>		S. No.	Product Name	Capacity	1.	Sand	2,66,158 TPA																	
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Water Tanker	As & when required																								
11.	Manpower requirement	<p>Details of manpower is given below:</p> <table border="1"> <thead> <tr> <th>S.No.</th> <th>Category</th> <th>Numbers</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Mining Competent Person</td> <td>1</td> </tr> </tbody> </table>			S.No.	Category	Numbers	1.	Mining Competent Person	1															
S.No.	Category	Numbers																							
1.	Mining Competent Person	1																							

		2.	Administrative	1
		3.	Supervisor	3
		3.	JCB Operator & Drivers	5
		4.	Unskilled/Skilled workers	25
		Total		35
12.	Details of emissions after expansion: N/A			
13.	<p>Hazardous/Non-Hazardous Waste Generation details & their storage, utilization and its disposal. Copy of agreement clearly mentioning the Quantity</p> <p>Hazardous Waste: N/A</p> <p>Non-Hazardous Waste: N/A</p>			
14.	Solid Waste Generation and its mode of Disposal			
	S. No.	Type of waste	Quantity	Disposal method
	1.	Domestic Solid waste	7 kg/day	Will be disposed of as per Solid Waste Management Rules, 2016.
15.	Wastewater generation & its disposal Arrangement in Operation phase:			
	S. No.	Description	Total after expansion	Mitigation Measures/ Remarks
	1.	Domestic wastewater	1.2 KLD	Will be treated in Septic Tank
	2.	Industrial effluent	Nil	--
16.	Breakup of Water Requirement & its source in Operation phase:			
	Water Requirement			
	S. No.	Purpose	Water Requirement (KLD)	
	1.	Dust Suppression	1.15	
	2.	Domestic	1.5	
	Total		2.65	
	Source of water:			
	S. No.	Purposes	Source of water	
	1.	Make-up water for cooling demand	N/A	
	2.	Domestic water demand	Will be met from water tanker.	

	3.	Dust Suppression	Treated water and water tankers will be used.																					
17.	Water balance chart for summer, Rainy & Winter seasons		Not Submitted																					
18.	Rain water utilization proposal during monsoons		During monsoons there is no mining activity and since it is a river-bed mining, replenishment of minerals will take place during the monsoon season.																					
19.	Rain Water Harvesting proposal (within/outside premises) along with NOC from concerned village Sarpanch.		It is a river-bed mining project, rain water harvesting measures will be adopted outside the project premises after the grant of Environment Clearance.																					
20.	Block-wise details of no. of trees to be planted in proposed greenbelt area (1500 trees to be planted @ 10,00 sq.m area):		Block-wise green area and no. of trees to be planted are given below: <table border="1" data-bbox="703 958 1386 1240"> <thead> <tr> <th>S.No.</th> <th>Year</th> <th>No. of Plants</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>First</td> <td>125</td> </tr> <tr> <td>2.</td> <td>Second</td> <td>125</td> </tr> <tr> <td>3.</td> <td>Third</td> <td>125</td> </tr> <tr> <td>4.</td> <td>Fourth</td> <td>125</td> </tr> <tr> <td>5.</td> <td>Fifth</td> <td>125</td> </tr> <tr> <td colspan="2">Total</td> <td>625</td> </tr> </tbody> </table>	S.No.	Year	No. of Plants	1.	First	125	2.	Second	125	3.	Third	125	4.	Fourth	125	5.	Fifth	125	Total		625
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4.	Fourth	125																						
5.	Fifth	125																						
Total		625																						
21.	a. Energy requirements & savings. b. Energy saving measures to be adopted within industry:	a. The proposed project is sand mining on bed of river Ravi and material will be excavated with Semi-Mechanized opencast method in day time only. Excavation work will be done with the help of excavator; thus no power will require to operate the project. b. N/A																						
22.	EMP Budget details: <table border="1" data-bbox="327 1648 1386 1928"> <thead> <tr> <th>S. No.</th> <th>Description</th> <th>Capital Cost (lakhs)</th> <th>Cost to be incurred (lakhs/annum)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Air Quality a) Monitoring in the vicinity of the mine</td> <td>-</td> <td>0.15</td> </tr> </tbody> </table>			S. No.	Description	Capital Cost (lakhs)	Cost to be incurred (lakhs/annum)	1	Air Quality a) Monitoring in the vicinity of the mine	-	0.15													
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1	Air Quality a) Monitoring in the vicinity of the mine	-	0.15																					

	b) Monitoring in the vicinity of the transportation network c) Cost of dust suppression		
2	Water quality of surface and ground water around the site	-	0.15
3	Ambient Noise Level	-	0.05
4	Soil Quality	-	0.05
5	Inventory of flora (tree plantation, survival etc.) & Fauna	-	0.50
6	Man power cost for environmental cell	-	0.50
	TOTAL	-	1.40 Lakhs

A duly constituted EMC comprises the following:

1. Representative of Management (Sh. Premdeep Singh Shergill)
2. Project In-charge
3. Representative of Environment Consultant
4. Representative of Local Area as Sarpanch of the Village

23.

CER activities: Sh. Premdeep Singh Shergill (Proprietor) will be responsible for implementation of the CER activities. Following activity has been proposed under CER:

S.No.	Activities	Annual Expenditure	Timeline (years)	Total Expenditure in 5 years
1.	Maintenance of toilets and terrace of Primary Government School.	10000	5	50000
2.	Maintenance of Transportation route connecting Project site at Kot Razada.	10000	5	50000
3.	Providing solar lights on village roads (rasta).	5000	5	25000
4.	Scholarship to needy students in Primary Government School.	5000	5	25000
	Total	30000		1,50,000

The Committee observed that the Project Proponent has proposed major machinery i.e., excavators (5 No.) of bucket capacity of 1.1 m³ or above and 53 dumpers of bucket capacity of 20 ton. The Committee asked the Project Proponent to check the permissibility of proposed machinery as per the statutory guidelines for sand mining.

Further, the Committee observed that the Project Proponent has not submitted the adequate reply/compliance of the observations raised during public hearing by Sh. Gurpreet Singh S/o Santokh Singh, Village Azadpur. The Committee also observed that the Project Proponent has not submitted the latest District Survey Report required to appraise the project.

The Project Proponent has not submitted the latest status of the CWP No. 20853/2019 titled as Premdeep Singh Shargill Vs State of Punjab & Ors. The Project Proponent agreed to provide the same.

The Committee further observed that Project Proponent has not submitted the compliance pertaining to point no. 20 & 21 of ToR issued earlier vide SEIAA letter no. SEIAA/MS/2022/4988 dated 06.01.2022.

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

1. The Project Proponent shall check the permissibility of proposed machinery i.e. excavators (5 No.) of bucket capacity of 1.1 m³ or above and 53 dumpers of bucket capacity of 20 ton, as per the statutory guidelines for sand mining.
2. The Project Proponent shall submit the adequate reply/compliance of the observations raised during public hearing by Sh. Gurpreet Singh S/o Santokh Singh, Village Azadpur.
3. The Project Proponent shall submit the latest District Survey Report required to appraise the project.
4. The Project Proponent shall submit the latest status of the CWP No. 20853/2019 titled as Premdeep Singh Shargill Vs State of Punjab & Ors.
5. The Project Proponent shall submit the compliance pertaining to point no. 20 & 21 of ToR issued earlier vide SEIAA letter no. SEIAA/MS/2022/4988 dated 06.01.2022.
6. The Project Proponent shall check the mis-match of Khasra No. mentioned in the letter of ToR with the application form.
7. The Project Proponent shall check the mis-match of Khasra No. mentioned in the NOC issued by the land owners wherein mining is to be carried out with the khasra no. mentioned in the land documents. The Project Proponent is required to mark/highlight the khasra no. in the land document along with the NOC issued by the land owners.