

Proceedings of the 193rd meeting of State Expert Appraisal Committee held on 26.09.2020 at 10:30 am through video conferencing in the Conference Hall of MGSIPA at 1st Floor, MGSIPA Complex, Sector-26, Chandigarh.

The following members were present: -

Sr. No.	Name of SEAC Member	Designation in SEAC
1.	Er. Yogesh Gupta	Chairman
2.	Er. Pardeep Garg	Secretary
3.	Er. Nirmal Singh Kahlon	Member
4.	Sh. A.K Bhatia	Member
5.	Sh. K.L. Malhotra	Member
6.	Dr. Pawan Krishan	Member
7.	Sh. Deepak Sethi	Member
8.	Sh. Parminder Singh Bhogal	Member
9.	Sh. Sandeep Pal Singh	Member
10.	Dr. Sandeep Viridi	Member
11.	Dr. Harpreet Kaur	Member
12.	Sh. V. K Singhal	Member
13.	Dr. Adarsh Pal Vig	Member

At the outset, Secretary, SEAC welcomed the members of the State Expert Appraisal Committee (SEAC).

Item No. 01: Confirmation of the proceedings of 192nd meetings of State Level Expert Appraisal Committee held on 01.09.2020.

SEAC was apprised that draft proceedings of the 192nd meeting of State Level Expert Appraisal meeting held on 01.09.2020 were circulated to all the members vide email dated 04.09.2020 with a request to convey suggestions/ amendments if any within 48 hours. Suggestion of Sh. K.L Malhotra, Member SEAC was received through email on 04.09.2020, which was incorporated in the minutes. After taking approval from the competent authority, the proceedings have been uploaded on the web portal of the SEAC. As such, SEAC confirmed the said minutes.

Item No. 02: Action taken on the proceedings of the 192nd meeting of the State Level Expert Appraisal Committee held on 01.09.2020.

SEAC was apprised that action taken on the proceedings of 192nd meeting of the State Level Expert Appraisal Committee held on 01.09.2020 has been completed. SEAC noted the same.

Item No.193.01: Application for obtaining Environmental clearance under EIA notification dated 14.09.2006 for expansion for Manufacturing of various bulk drugs and drugs intermediate by “M/s Cadchem Laboratories Limited” at Village- Jaula Khurd, Tehsil- Derabassi, District- SAS Nagar Mohali, Punjab, (Proposal no SIA/PB/IND2/156711/2020).

SEAC observed that

1.0 Background

The project proponent has applied for obtaining Environmental Clearance under EIA Notification, 2006 for the expansion of the manufacturing of various bulk drugs and drugs intermediate. As per EIA Notification, 14.09.2006 the project falls under “A” category but now, MOEF&CC has issued OM vide F.No.22-25/2020-IA.IIIII dated 13.04.2020 which states that “proposal or activities in respect of Active Pharmaceuticals Ingredients (API) received up to 30.09.2020 shall be appraised as “B2” projects to ensure drug availability or production to reduce the impact of Novel Coronavirus. The company is involved in the manufacturing of various categories of active pharmaceuticals ingredients and its intermediate with a total existing production capacity of 173 MTPA.

2.0 Present Case

The unit proposes to manufacture various bulk drugs and drug intermediates with a production capacity of 503 MTPA. The project proponent has submitted the EIA report. EIA report was scrutinized and EDS was raised on 22.06.2020 & 13.08.2020, to which the project proponent replied online on 05.08.2020 & 31.08.2020 respectively.

Further, the Project proponent has deposited EC processing fee of Rs.1,41,300/- through NEFT Ref ID. 5040972424 (Rs.53,300/-) and 5041207993 (Rs.88,000/-) dated 16.07.2020 and 23.07.2020 respectively. Thereafter, the application for obtaining EC was accepted online on 22.09.2020.

Environmental Engineer, PPCB, RO, Mohali was requested vide email dated 30.07.2020 and 06.08.2020 to send the status report. Accordingly, Member Secretary, PPCB vide email dated 23.09.2020 has sent a copy of the letter no. 3610 dated 23.09.2020 to the

effect that the industry was visited by its AEE of Regional Office, Mohali of the Board on 11.07.2020. The pointwise reply w.r.t the queries are following:

Sr. no.	Particulars	Comment
1.	Construction/Installation status of the expansion proposal of the proposed project of the industry	The industry has not started any construction activity at the site for the expansion purpose.
2.	As to whether existing production is less than 173 MTPA. Please send the detailed report.	The industry is having valid consents for the production capacity as 173 MTA and is operating within the existing parameters.
3.	Distance of unit from the boundary of MC Limit and interstate boundary.	The MC, Lalru is more than 05 KM from the site and the interstate boundary is about 1.5 KM from the site as checked from Google map.
4.	Status of physical structures within 500 m radius of the site including the status of industries, if any	There is 02 no. poultry farm, 01 no. plastic container washing unit and 01 no. meat plant within the 500 m of the site.
5.	Status of consents issued to existing unit under the Water Act,1974 and Air Act,1981	The industry is having valid consent to operate under the Water (Prevention & Control of Pollution) Act, 1974 & under the Air (Prevention & Control of Pollution) Act, 1981 i.e. upto 30.06.2021 under both Acts.
6.	Compliance report to the conditions w.r.t consent to Operate under the Air Act, 1981 and Water Act, 1974 granted for its existing unit.	The industry is complying with all the consent conditions granted to it under the Water (Prevention & Control of Pollution) Act, 1974 and Air (Prevention & Control of Pollution) Act, 1981 except the industry has failed to achieve the standards under Water (Prevention & Control of Pollution) Act, 1974. The industry was given the opportunity of personal hearing before the chairman of the board on 13.08.2020 and the industry has submitted the fresh analysis results from the laboratory approved by the board, which are within the limit. The industry has been advised to improve and stabilize its treatment system. Further, monitoring will be done by PPCB to check the efficiency of the modified system.

2.0 Deliberations during the 193rd meeting of SEAC held on 26.09.2020

The meeting was attended by Sh. Navneet Gupta, Managing Director of the company through Video Conference and Dr. S.K Yadav, Chief Manager, M/s Wolkem India Limited, Udaipur. Environmental Consultant of the promoter company made the presentation for proposal before SEAC as under:-

Sr.	Description	Details																					
1.	Name of the project and address	M/s Cadchem Laboratories Limited Village – Jaula Khurd, Tehsil- Derabassi, District- S.A.S. Nagar, Punjab – 140501																					
2.	Online Proposal No.	SIA/PB/IND2/156711/2020																					
3.	Nature of project	Expansion (application submitted for EC for existing & proposed project)																					
4.	a) Category b) Activity	a) As per EIA Notification, 14.09.2006 the project fall under "A" category but as per MoEF&CC OM dated 13.04.2020 project shall be apprised under category B2. b) 5(f)																					
5.	Total Project Cost	14.13 crores																					
6.	EC Processing Fee deposited by NEFT/DD	Rs. 1,41,300/- i) Rs.53,300/- vide NEFT Ref ID. 5040972424 dated 16.07.2020 ii) Rs.88,000/-vde NET Ref ID 5041207993 dated 23.07.2020.																					
7.	Co-ordinates of all the corners of the project site	<table border="1"> <thead> <tr> <th>No. of Boundary Pillar</th> <th>Latitude</th> <th>Longitude</th> </tr> </thead> <tbody> <tr> <td>Pillar-1</td> <td>N 30⁰ 27' 37.40"</td> <td>E 76⁰ 52' 33.29"</td> </tr> <tr> <td>Pillar-2</td> <td>N 30⁰ 27' 42.92"</td> <td>E 76⁰ 52' 34.04"</td> </tr> <tr> <td>Pillar-3</td> <td>N 30⁰ 27' 42.27"</td> <td>E 76⁰ 52' 38.64"</td> </tr> <tr> <td>Pillar-4</td> <td>N 30⁰ 27' 40.86"</td> <td>E 76⁰ 52' 39.04"</td> </tr> <tr> <td>Pillar-5</td> <td>N 30⁰ 27' 38.88"</td> <td>E 76⁰ 52' 39.09"</td> </tr> <tr> <td>Pillar-6</td> <td>N 30⁰ 27' 36.98"</td> <td>E76⁰ 52' 38.95"</td> </tr> </tbody> </table>	No. of Boundary Pillar	Latitude	Longitude	Pillar-1	N 30 ⁰ 27' 37.40"	E 76 ⁰ 52' 33.29"	Pillar-2	N 30 ⁰ 27' 42.92"	E 76 ⁰ 52' 34.04"	Pillar-3	N 30 ⁰ 27' 42.27"	E 76 ⁰ 52' 38.64"	Pillar-4	N 30 ⁰ 27' 40.86"	E 76 ⁰ 52' 39.04"	Pillar-5	N 30 ⁰ 27' 38.88"	E 76 ⁰ 52' 39.09"	Pillar-6	N 30 ⁰ 27' 36.98"	E76 ⁰ 52' 38.95"
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8.	Land Khasra Nos.	Khasra no. 793/1, 794, 795, 796, 797, 798, 799, 799/2, Village – Jaula Khurd, Tehsil- Derabassi, District- S.A.S. Nagar																					
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10.	Land use as per master plan	A copy of the master plan was not submitted whereas, the Project proponent has submitted vide letter no. 2747 dated 26.06.2020 from the Director of factories that the proposed project site falls under the master plan of Lalru in the General Industry zone and part of it lies																					

		along the drain. Further, it is mentioned that the industry is allowed to be set up in the general industry zone.																																																																																																																																	
11.	Details of valid consent to operate under the Air & Water Act	Consent to Operate has been obtained for Air vide certificate No. CTOA/varied/SAS/2017/5275813 dated 17.03.2017 and valid for 30.06.2021 Consent to Operate for Water vide certificate No. CTOW/varied/SAS/2017/5275990 dated 17.03.2017 and valid for 30.06.2021.																																																																																																																																	
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43	Acetonitrile	54.84
44	MTBE	25.80
45	Hydrochloric acid	0.48
46	Sodium hydroxide	0.48
47	Acetic acid	0.78
48	Calcium chloride	0.78
49	2-CPG	315.27
50	Sulphuric acid	503.00
51	Methanol	2142.00
52	Toluene	267.40
53	Methylene chloride	2914.40
54	Ammonia	497.31
55	Sodium sulphate	6.10
56	L-(+)-Tartaric acid	233.91
57	Acetone	1596.35
58	Sodium bicarbonate	264.42
59	Thiophene-2-Ethanol	40.68
60	Sodium hydroxide	40.68
61	PTSC	81.36
62	TEBAC	1.70
63	DPHP	294.93
64	Ethyl acetate	505.11
65	Hydrochloric acid	69.83
66	Isopropyl alcohol	635.63
67	Para-formaldehyde	142.38
68	Hexanes	2244.18
69	Activated Carbon	9.50
70	Hyflo	1.70
71	Choline chloride	31.32
72	POCl ₃	66.60
73	O-Dichloro benzene	46.44
74	Calcium carbonate	39.60
75	Calcium hydroxide	5.76
76	Methanol	754.02
77	Oxalic acid	45.08
78	Di-Isopropyl amine	78.30
79	Cytidine monophosphate	45.00
80	Morpholine	33.84
81	DCC	51.84
82	Ethanol	568.08
83	Activated Carbon	9.00
84	Formic acid	21.96
85	Sodium hydroxide	9.00
86	Methylene chloride	448.92
87	Rifamycin-S	30.00
88	Methylene chloride	399.12
89	4-methyl-pyridin-2-ylamine	13.92
90	Iodine	5.76
91	Ascorbic acid	6.00
92	Hydrochloric acid	5.28
93	Sodium thiosulphate	7.20
94	Sodium chloride	10.08
95	Sodium sulphate	4.08
96	Ethanol	1152.0
97	SABAmHCl	120.00
98	4-CBC	134.88

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	99	TBAB		16.80	
	100	Potassium hydroxide		242.40	
	101	Sodium sulphate		48.00	
	102	Methylene chloride		2847.62	
	103	Ethyl acetate		2381.21	
	104	Activated Carbon		6.00	
	105	Hyflo		1.20	
	106	Fex-8		22.08	
	107	Methanolic hydrochloride		110.64	
	108	Toluene		22.08	
	109	Sodium bicarbonate		2.40	
	110	Azacyclone		18.72	
	111	Potassium carbonate		11.52	
	112	Acetone		11.52	
	113	Potassium Iodide		1.20	
	114	Isopropyl alcohol		46.80	
	115	Caustic soda		7.68	
	116	Methanol		20.64	
	117	Sodium borohydride		6.24	
	118	Ethyl acetate		14.16	
13.	Production Capacity details:				
	S. No.	Products Name	Capacity (TPA)		
			Existing	Additional/ Proposed	
				Total	
	1	Luliconazole	Nil	6.0	6.0
	2	Pitavastatin Calcium	Nil	1.2	1.2
	3	Pregabalin	Nil	60.0	60.0
	4	Rosuvastatin Calcium	Nil	6.0	6.0
	5	Clopidogrel Bisulphate	113.0.0	113.0	226.0
	6	Citicoline Sodium	Nil	36.0	36.0
	7	Rifaximin	Nil	24.0	24.0
	8	Levetiracetam	Nil	120.0	120
	9	Fexofenadine hydrochloride	Nil	24.0	24.0
	10	Etodolac (discontinue w.e.f. Aug, 2017)	60	Nil	Nil
	Total		173.0	390.2	503.2
14.	Manpower requirement	After expansion- 134 nos.			
15	Details of the technology proposed for control of emissions & effluents generated from project				
	Sr. No	Details	Technology to be adopted by new unit/After expansion	Capacity of Proposed technology	

	1.	APCD	Dust collector and scrubber	-		
	2.	STP	Septic tank	-		
	3.	ETP	Physical & Chlorine	90 KLD		
	4.	ZLD Technology	W/w treated in ETP & MEE and reuse in RO	ET-90KLD MEE- 1800L/hr RO-82 KLD		
	5.	Continuous online emission/effluent monitoring system	Nil	Proposed online camera system		
16.	Details of Emissions (After expansion)					
	Sr No	Source	Capacity	Chimney Height (m)	Air Pollution Control Device	
	1.	DG Set	380 kVA- 1 no. (Existing) 600 kVA- 1no. (Proposed)	30 m	Stack, Acoustic enclosure	
	2.	Boiler	Existing- 2TPH- 1no. 1.5 TPH- 1no. Proposed- Nil	30 m	Stack, Multi cyclone with dry Scrubber	
	3.	VOC Emission from solvent distillation & Reactors	--	--	<ul style="list-style-type: none"> • Vent Condenser with child water/brine. • Activated carbon absorption system. • Wet scrubber system 	
17.	Hazardous/Non-Hazardous Waste Generation details & its disposal.					
	Hazardous Waste	Category	Existing Quantity	Proposed Quantity	Total Quantity	Disposal methods
	Used Oil	5.1	265 Ltr/Month	85 Ltr/Month	350 Ltr/Month	Disposal by selling to Registered Re-processors
	ETP Sludge	34.3	11.5MT/Annum	271.5 MT/Annum	283 MT/Annum	Will be sent to TSDF Nimbua Greenfield Limited
	Discarded Barrels contaminated with hazardous wastes/chemicals	33.3	20 No/Month	100 No/month	120 No/month	Will be sold to Authorized agencies

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	Non-Toxic Process Waste	29.1	200 kg/Month	100 kg/Month	300 kg/Month	Will be sent to TSDF Nimbua Greenfield Limited.	
	Process Residue	20.3	73MT/Annum	800 MT/Annum	873 MT/Annum	Disposal by sell to brick manufacturer.	
	Boiler Ash	36.2	36 MT/Annum	30 MT/Annum	66 MT/Annum	Will be sold to brick manufacturer.	
	MEE salt	34.3	66MT/Annum	500 MT/Annum	566 MT/Annum	Will be send to TSDF Nimbua Limited.	
18.	Solid Waste generation and its mode of disposal:	Details	Unit	Existing Qty	Proposed Quantity	Total Quantity after expansion	Disposal method
		Domestic Solid Waste	Kg/Day	2	0.5	2.5	Will be sent to authorized recycler
		Boiler Ash	MT/Annum	36	30	66	Collection, Storage, Transportation, Sale to brick manufacturer.
19.	Waste water generation & its disposal Arrangement in Operation Phase:	Details	Existing Qty (KLD)	Proposed Quantity (KLD)	Total Quantity after expansion (KLD)	Disposal method	
		Industrial Effluent	15.35	74.15	89.5	Treatment through ETP/MEE. Treated water will be reused in process.	
		Domestic effluent	5.0	-	5.0	Plantation	
		Total	20.35	74.15	94.5		
20.	Details of the block in which the project site is located as per CGWA guideline	Non- Notified area					
21.	Breakup of Water Requirements & its source in	Water Requirement in KLD					
		S. No.	Purpose	Existing	Proposed	Total	
		1	RO 1 st	20.00	57.00	77.00	
		2	Utilities	25.00	37.00	62.00	

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Operation Phase:	3	Domestic Use	5.00	-	5.00
	4	Plantation	5.00	15.00	20.00
	5	Scrubber	-	1.00	1.00
	Total		55	110	165

Source: Ground water (CGWA NOC vide dated 28.07.2020 for extraction of 83 KLD of fresh water has been applied whereas the balance will be met on treated waste water)

22. Revised CER Activities

23.	S.No.	Activities	Environment Aspect	Cost (Rs. Lacs)	Timeline	
					Start Date	End Date
1.		Providing Interlocking Tiles In School Ground Of The Following School's <ul style="list-style-type: none"> Govt. Elementary Smart School, Jaula Khud, High Smart Secondary School, Jaula Khurd Govt. Sr. Secondary School, Jeoli Govt. Elementary School Basauli Govt. Senior Secondary School, Rani Majra 	Infrastructure	15	After Grant Of Ec	Till 5 Years
2.		Provide Benches And Tables For Students In The Following School's: <ul style="list-style-type: none"> Govt. Elementary Smart School, Jaula Khud, High Smart Secondary School, Jaula Khurd Govt. Sr. Secondary School, Jeoli Govt. Elementary School Basauli Govt. Senior Secondary School, Rani Majra 	Infrastructure	5	After Grant Of Ec	Till 5 Years
3		Upgradaton Of Computer Section In The Following School's: <ul style="list-style-type: none"> Govt. Elementary Smart School, Jaula Khud, High Smart Secondary School, Jaula Khurd Govt. Sr. Secondary School, Jeoli Govt. Elementary School Basauli Govt. Senior Secondary School, Rani Majra 	Infrastructure	7	After Grant Of Ec	Till 5 Years
4		Tree Plantation In Nearby Villages Like Jaula Khurd, Rani Majra, Jeoli Etc.	Plantation	2	After Grant Of Ec	Till 5 Years
Total				29		

24.	Revised EMP Plan	S.No.	Particulars	Existing Capital Cost (lacs)	Recurring Cost (in lacs per annum)	Proposed Capital Cost (lacs)	Recurring Cost (in lacs per annum)
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		1	Air /Noise pollution control (Vent Condenser, Charcoal Absorber & Scrubber)	8.0	3.0	15.0	5.0
		2	Water Pollution Control Modification of ETP, Additional MEE & RO	49.53	5.0	57.0	5.0
		3	Green belt	0.5	0.2	2.0	1.0
		4	Occupational Health	2.0	1.0	4.0	2.0
		5	Environmental Monitoring	10.0	1.0	10.0	1.0
		6	Hazardous waste disposal	2.0	1.0	2.0	1.0
		Total		72.03	11.2	90.0	15.0
25.	Block wise detail of Green Belt plantation	S.No.	Green Area Block	Existing Area (m2)	Proposed Area (m2)	No. of plants to be planted	
		1.	A Block	1411.48	-	212	
		2	B Block	1365.21	-	205	
		3	C Block	887.31	-	133	
		4	D Block	-	1035.0	155	
		5	E Block	-	1444.0	217	
		6	F Block	-	1376	206	
		7	G Block	-	1004	151	
		8	H Block	-	599	90	
		9	I Block	-	1205	181	
		10	J Block	-	270	41	
			Total	3664	6933	1591	
26.	Electricity Requirement	Sr.No.	Details			KVA	
		1	Existing requirement			9690.102 KVA	
		2	Additional requirement			785.538 KVA	
			Total requirement			1745.464 KVA	
Source: Punjab State Power Corporation Limited (PSPCL)							

During the meeting, following observations were made to which the project proponent replied as under:

Sr. No.	Query Raised by SEAC	Reply by PP & Consultant
1	Submit revised plantation budget	The project proponent submitted a revised plantation budget wherein capital cost of the

		<p>proposed plantation has been increased from 2.0 lacs to 4.0 lacs and recurring cost from 1.0 lacs to 2.0 lacs/annum</p> <p>All the saplings proposed for plantation will be more than 3 feet in height to increase the survival rate.</p> <p>After considering the revised EMP, total Capital Cost @ 164.03 lacs and recurring cost 27.2 lacs per annum shall be spent for the implementation of the Environmental Management Plan.</p>
2	Submit a copy of Nimbua TSDF agreement with tenure and quantity for hazardous waste disposal (process residue).	<p>The project proponent submitted a copy of Hazardous Waste disposal agreement with Nimbua Greenfield (Punjab) Limited.</p> <p>He also submitted that point no. 6 and definition of existing TSDF agreement clarifies that agreement with Nimbua Greenfield is linked with the authorisation of Hazardous waste, PPCB and is valid upto the authorisation of Hazardous waste disposal issued by PPCB.</p> <p>After obtaining EC, Application for Hazardous Waste Authorization will be applied to Punjab Pollution Control Board for proposed increased quantity of Hazardous waste. After that they will submit additional fee and a copy of Hazardous waste authorization to TSDF Nimbua Greenfield (Punjab) Limited for collection, transportation and disposal of additional HW quantity.</p>
3	Submit revised CER plan after reducing the time period of project completion i.e. upto 3 years and incorporating the activity of installation of solar panels in nearby school.	<p>The project proponent submitted a copy of the revised CER plan reducing the time of completion of activities from 5 years to 3 years and proposed Rs 3.5 Lacs for installation of Solar panels in nearby school.</p>
4	Submit revised Rain Water Harvesting proposal.	<p>The project proponent submitted that they will adopt two village ponds of Jaula Khurd (2500 sqm & 3200 sqm) outside the factory premises for rain water harvesting for which NOC has been obtained Gram Panchayat. A copy of the NOC of Gram Panchayat submitted by the project proponent was taken on record.</p> <p>Rainwater harvesting in factory premises will be carried out as per CGWA Notification dated 24.09.2020.</p>

		Storage tanks will be constructed to collect rainwater from the rooftop to utilize the same for non-core activities.
5	Submit the CGWA permission for abstract groundwater	Application for groundwater abstraction has been submitted to CGWA dated 28.07.2020.
6	Why green area requirement increased from 5 to 15. Clarify	The existing green belt area is 3664 (15.1 % of total project site) and the proposed green belt area in the expansion phase is 6933 (28.6% of the project area) so, due to the increase in green belt area, water requirement has been increased.
7	Water balance mismatch, clarify	<p>The total water requirement of the project is 165 KLD out of which 82 KLD water will be recycled after treatment at ETP, MEE and RO and hence, only 83 KLD fresh water will be required for the project.</p> <p>Total 89.5 KLD wastewater (HTDS & LTDS) will be generated. HTDS will be sent to MEE and condensate will sent to RO process. LTDS effluent will be treated at ETP and then send to RO process.</p> <p>Total 82 KLD treated water will be sent to RO process. RO – permeate 60% will be used in boiler and cooling tower and RO-Reject 30% will return to ETP for further treatment process.</p> <p>A copy of the revised water balance for summer, Rainy and Winter season was taken on record.</p>
8	What is the class of Surface water as per the test results?	The surface water quality is matching with 'Class D' as per surface water quality criteria by CPCB 1979 and IS 1982.

SEAC was satisfied with the presentation and reply given to the observation. SEAC took a copy of the presentation along with a reply on record.

3.0 Recommendations

After detailed deliberations, SEAC decided to award '**Silver Grading**' to the project proposal under category B2, Activity 5(f) as per MOEF&CC OM dated 13.04.2020 and to forward the application to SEIAA with the recommendations to grant Environmental Clearance for expansion for Manufacturing of various bulk drugs and drugs intermediate by “M/s Cadchem Laboratories Limited” at Village- Jaula Khurd, Tehsil- Derabassi, District- SAS Nagar Mohali, Punjab, as per the details mentioned in the Form 2, EIA report & subsequent presentation /clarifications made by the project proponent & his consultant and conditions are as under:

I. Statutory compliance

- i. The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.
- ii. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
- iii. The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report. (in case of the presence of schedule-I species in the study area)
- iv. The project proponent shall obtain the necessary permission from the Central Ground Water Authority/ competent authority concerned, in case of drawl of ground water and also in case of drawl of surface water required for the project. In case of non- grant of permission by CGWA for ground water abstraction, the industry shall make alternative arrangements by using surface water or treated city sewage effluent after obtaining permission from competent authority.
- v. The project proponent shall obtain Consent to Establish/Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the Punjab State pollution Control Board/ Committee.
- vi. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.
- vii. The project proponent shall comply with the siting criteria, standard operating practices, code of practice and guidelines if any prescribed by the SPCB/CPCB/MoEF&CC for such type of units.
- viii. The project proponent shall comply with the CLU conditions imposed by competent authority, if any
- ix. The Company shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 as amended time to time. All transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA), 1989.

II. Air quality monitoring and preservation

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

III. Water quality monitoring and preservation

- i. The project proponent shall provide online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises ,

- ii. As already committed by the project proponent, Zero Liquid Discharge shall be ensured and no waste/treated water shall be discharged outside the premises.
- iii. The effluent discharge shall conform to the standards prescribed under the Environment (Protection) Rules, 1986, or as specified by the State Pollution Control Board while granting Consent under the Air/Water Act, whichever is more stringent.
- iv. Total fresh water requirement shall not exceed the 83 KLD. Prior permission shall be obtained from the concerned regulatory authority/CGWA in this regard.
- v. Process effluent/any wastewater shall not be allowed to mix with storm water. The storm water from the premises shall be collected and discharged through a separate conveyance system.
- vi. The Company shall store the rainwater from the roof tops of the buildings and and utilize the same for different industrial operations within the plant.
- vii. Water demand during construction should be reduced by use of ready mixed concrete, curing agents and other best practices.
- viii. Provide electromagnetic flow meter at intake of water supply from the at the borewell for abstraction of ground water if any, outlet of the ETP/STP and any pipeline to be used for re-using the treated wastewater back into the system and for horticulture purpose/green belt etc.
- ix. A proper record regarding groundwater abstraction, water consumption, its reuse and disposal shall be maintained on daily basis and shall maintain a record of readings of each such meter on daily basis.
- x. Fixtures for showers, toilet flushing and drinking should be of low flow either by use of aerators or pressure reducing devices or sensor-based control.
- xi. Separation of drinking water supply, treated sewage supply and treated permeate line leading back to the process water should be done by the use of different colors.

IV. Noise monitoring and prevention

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

V. Energy Conservation measures

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

VI. Waste management

- i. All the topsoil excavated during construction activities should be stored for use in horticulture / landscape development within the project site.

- ii. Disposal of muck during construction phase should not create any adverse effect on the neighbouring communities and be disposed off after taking the necessary precautions for general safety and health aspects of people with the approval of competent authority. The project proponent will comply with the provisions of Construction & Demolition Waste Rules, 2016. Dust, smoke & debris prevention measures such as wheel washing, screens, barricading and debris chute shall be installed at the site during construction including plastic / tarpaulin sheet covers for trucks bringing in sand & material at the site.
- iii. Construction spoils, including bituminous material and other hazardous material, must not be allowed to contaminate watercourses. The dump sites for such material must be secured, so that they should not leach into the groundwater.
- iv. Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arresters shall be provided on tank farm and the solvent transfer through pumps.
- v. Process organic residue and spent carbon, if any, shall be sent to cement industries. ETP sludge, process inorganic & evaporation salt shall be disposed off to the TSDF.
- vi. The Project proponent shall abide by the provisions of Solid Waste Management Rules, 2016 (amended from time to time), if applicable.
- vii. The company shall undertake waste minimization measures as below: -
 - a. Metering and control of quantities of active ingredients to minimize waste.
 - b. Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.
 - c. Use of automated filling to minimize spillage.
 - d. Use of Close Feed system into batch reactors.
 - e. Venting equipment through vapour recovery system.
 - f. Use of high-pressure hoses for equipment clearing to reduce wastewater generation

VII. Green Belt

- i. The green belt of 10 m width shall be developed in more than 33% of the total project area, mainly along the plant periphery, in downward wind direction, and along road sides etc. Selection of plant species shall be as per the CPCB guide lines in consultation with the State Forest Department. Total 1591 trees to be planted without accounting the shrubs and protect the same with tree guard made of concrete.

VIII. Safety, Public hearing and Human health issues

- i. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
- ii. The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire fighting system shall be as per the norms.

- iii. The PP shall provide Personal Protection Equipment (PPE) as per the norms of Factory Act.
- iv. Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.
- v. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
- vi. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
- vii. There shall be adequate space inside the plant premises earmarked for parking of vehicles for raw materials and finished products, and no parking to be allowed outside on public places.
- viii. A first aid room will be provided in the project both during construction and operation phase of the project.

IX. Corporate Environment Responsibility

- i. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility. The project proponent shall spend 2% of the project cost equivalent to Rs. 29 lacs towards the following CER activities:

S.No.	Activities	Environment Aspect	Cost (Rs. Lacs)	Timeline	
				Start Date	End Date
1.	a) Providing Interlocking Tiles In School Ground of the Following School's i) Govt. Elementary Smart School, Jaula Khud, ii) High Smart Secondary School, Jaula Khurd iii) Govt. Sr. Secondary School, Jeoli iv) Govt. Elementary School Basauli v) Govt. Senior Secondary School, Rani Majra	Infrastructure	11.5	After Grant Of Ec	Till 3 Years
	b) Installation of Solar panels (4 kW) in Govt. Elementary Smart School, jaula Khud and High Smart Secondary School, Jaula Khurd	Infrastructure	3.5	After Grant Of Ec	Till 3 Years
2.	Provide Benches and Tables For Students in The Following School's: i) Govt. Elementary Smart School, Jaula Khud, ii) High Smart Secondary School, Jaula Khurd iii) Govt. Sr. Secondary School, Jeoli	Infrastructure	5	After Grant Of Ec	Till 3 Years

	iv) Govt. Elementary School Basauli v) Govt. Senior Secondary School, Rani Majra				
3	Upgradaton of Computer Section in The Following School's: i) Govt. Elementary Smart School, Jaula Khud, ii) High Smart Secondary School, Jaula Khurd iii) Govt. Sr. Secondary School, Jeoli iv) Govt. Elementary School Basauli v) Govt. Senior Secondary School, Rani Majra	Infrastructure	7	After Grant Of Ec	Till 3 Years
4	Tree Plantation in Nearby Villages Like Jaula Khurd, Rani Majra, Jeoli etc.	Plantation	2	After Grant Of Ec	Till 3 Years
Total			29		

The amount to be spent on CER activities shall be proportionate to the amount spent on project & such activities shall run parallel to the project execution. All the activities must be completed with the completion of the project

- ii. The company shall have a well laid down environmental policy duly approve 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 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.
- iii. 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.
- iv. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by the competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six-Monthly Compliance Report. The project proponent shall adhere to the commitments made in the Environment Management Plan and shall spend minimum amount of Rs. 164.03 lacs as a Capital expenditure and Rs. 27.2 lacs per annum as recurring expenditure as proposed in the EMP as under:

Sr No.	Particulars	Existing Capital Cost (lacs)	Recurring Cost (in lacs)	Proposed Capital Cost (lacs)	Recurring Cost (in lacs)
1	Air /Noise pollution control	8.0	3.0	15.0	5.0

2	Water Pollution Control	49.53	5.0	57.0	5.0
3	Green belt	0.5	0.2	4.0	2.0
4	Occupational Health	2.0	1.0	4.0	2.0
5	Environmental Monitoring	10.0	1.0	10.0	1.0
6	Hazardous waste disposal	2.0	1.0	2.0	1.0
Total		72.03	11.2	92.0	16.0

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

IX Validity of Environmental Clearance.

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

X. Miscellaneous

- i. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department etc. shall be obtained, by project proponent from the competent authorities including Punjab Pollution Control Board and from other statutory bodies as applicable.
- ii. In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by State Environment Impact Assessment Authority, Punjab.
- iii. The environmental safeguards contained in the application of the promoter / mentioned during the presentation before State Level Environment Impact Assessment Authority/State Expert Appraisal Committee should be implemented in letter and spirit.
- iv. The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.
- v. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.

- vi. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
- vii. The project proponent shall monitor the criteria pollutants level namely; PM10, SO₂, NO_x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.
- viii. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
- ix. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
- x. The project proponent shall inform the Regional Office of the Ministry and PPCB, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production/operation by the project.
- xi. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
- xii. The project proponent shall abide by all the commitments and recommendations made in the EIA /EMP report, commitment made during Public Hearing and also that during their presentation to the SEAC and SEIAA.
- xiii. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
- xiv. Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
- xv. The SEIAA/Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
- xvi. The SEIAA/ Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
- xvii. The Regional Office of this Ministry or Punjab Pollution Control Board shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office and PPCB by furnishing the requisite data / information/monitoring reports.

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

ADDITIONAL CONDITIONS:

- i. The project proponent shall provide effluent treatment systems for the high TDS stream with MEE as proposed. The treated water will be used in the process for core/non-core activities within their premises to achieve the Zero Liquid Discharge.
- ii. To achieve the Zero Liquid Discharge, waste water generated from different industrial operations should be properly collected, treated to the prescribed standards and then recycled or reused for the identified uses.
- iii. The project proponent shall provide septic tank of adequate capacity for the treatment of domestic effluent / sewage and shall utilize whole of this treated effluent for horticulture, plantation and green area.
- iv. The project proponent shall make necessary arrangements for the recovery and reuse of steam condensate resulting from the indirect steam applications and shall not allow to discharge such effluents into drain.
- v. The project proponent shall provide advanced scrubbing systems with proper neutralizing media to handle the acidic/alkaline emissions from storage, handling & processing activities. Wherever required, packed bed scrubbers will also be provided. The suction and scrubbing systems shall also be designed to handle the inherent odours from such units.
- vi. The project proponent shall provide the Air Pollution Control Devices as proposed by the PPCB to control the emissions generated from the boiler within the prescribed parameter.
- vii. Artificial Rain Water recharging/rainwater harvesting shall be carried out as required by CGWA. However, recharging structures shall not be provided within the plant premises to avoid any intentional or unintentional discharge of trade or domestic effluent.
- viii.** The project proponent shall practice rainwater harvesting to maximum possible extent. For this 2 village ponds having volume @ 10,000 m³ and 12,800 m³, located at Village Jaula khurd, Tehsil Derabassi & District Mohali respectively shall be adopted for desilting to recharge the rainwater. 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 in different parts, the overflow of each chamber shall be allowed to enter into another chamber which will ultimately lead to purification of water and collected into 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.

Item No.193.02: Application for obtaining Environmental clearance under EIA notification dated 14.09.2006 for setting up new API Bulk Drug Pharmaceutical manufacturing unit at Village-Faridpur, Tehsil- Rajpura, District- Patiala , Punjab, by “M/s Biovid Labs Pharmaceuticals Pvt. Ltd.” (Proposal no SIA/PB/IND2/165111/2020)

SEAC observed that

1.0 Background

The project proponent submitted an application for obtaining Environmental Clearance under EIA Notification, 2006 for setting up a new API Bulk Drug Pharmaceutical manufacturing unit.

As per EIA Notification,14.09.2006 the project falls under “A” category but now, MOEF&CC has issued OM vide F.No.22-25/2020-IA.IIII dated 13.04.2020 which states that “proposal or activities in respect of Active Pharmaceuticals Ingredients (API) received upto 30.09.2020 shall be appraised as “B2” projects to ensure drug availability or production to reduce the impact of Novel Coronavirus.

2.0 Present Case

The project proponent proposes to set up a new API Bulk Drug Pharmaceutical manufacturing unit with a production capacity of 6000 TPA. The project proponent has submitted the EIA report. Further, the Project proponent has deposited the requisite EC processing fee of Rs.55,000/- through NEFT by UTR no. KKBKH20201867299 dated 19.07.2020.

EIA report was scrutinized and EDS was raised on 05.08.2020, to which the project proponent replied online on 26.08.2020 and the details of the same is given as under:-

Sr. No.	EDS raised on 05.08.2020	Reply to teh EDS submitted on 26.08.2020
1	In form 1, under heading basic information 2(h), Copy of documents in support of the	Submitted

	competence/authority of the person making this application	
2	<p>In form 1, under the heading basic information 5(d), Copy of Supporting Document regarding exemption from public consultation not uploaded.</p> <p>a. Please upload the copy</p>	Submitted
3.	<p>In form 1, under the heading Construction, operation or decommissioning of the Project involving actions, which will cause physical changes in the locality in activity no. 1(1.15) - Facilities for treatment or disposal of solid waste or liquid effluents,</p> <p><i>PP/Consultant has not mentioned about proposed disposal Quantity nor about its agreement, who will collect the solid waste in form 1</i></p> <p>a. Please update the above details & upload the same on Form 1</p>	<p>PP submitted that</p> <p>i) in Construction Phase: Left over cement mortars, cement concrete blocks, aggregate, sand and other inorganic material (approx 50 Kg/day) will be recycled and reused as granular sub-base (GSB) layer of pavement. Earth rendered surplus (20 Kg/day) from the excavation will be utilized in the embankment works. Domestic Waste (approx 15 Kg/day) will be use as manure after decomposition.</p> <p>ii) Operation Phase:</p> <p>Hazardous Waste: Used oil (0.4 TPA) will be sent to an authorized recycler; Organic residue (80.5 TPA) will be sent to TSDF, Nimbuan; Process Inorganic waste (64.8 TPA) will be sent to TSDF, Nimbuan; Spent carbon (85 TPA) will be sent to Incinerator; Discarded containers/barrels/liners contaminate with HW / chemicals (100 TPA) will be sent to an authorized recycler; MEE salt/ ETP sludge (1.2 TPA) will be sent to TSDF, Nimbuan; Boiler Ash (28 TPA) will be used for Filling for low lying areas</p> <p>Liquid Effluents: Process wastewater (22.0 KLD) will be treated in MEE; Laboratory, Reactor Washing, Boiler/cooling tower Blow Down, RO Rejection (8.35 KLD), Domestic (1.8 KLD) will be treated in ETP.</p>

		<p>Agreement: They will make an agreement with TSDF site Nimbuan after grant of EC letter/ at the time of CTO.</p>
4.	<p>In form 1, under heading Use of Natural resources for construction or operation of the Project in activity no. 2 (2.6) - Energy including electricity and fuels (source, competing users) Unit: fuel (MT), Energy (MW),</p> <p><i>PP/Consultant has not mentioned about Quantity of fuel (MT), Energy (MW) etc of boiler in form 1,</i></p> <p>a. Please update the above details & upload the same on Form 1</p>	<p>PP submitted the following:</p> <p>Total Power requirement will be 700KW Source: PSPCL Punjab.</p> <p>1) DG Set: 300KVA capacity will be installed as power backup Fuel: Diesel: 0.1 MT/day</p> <p>2) Boiler: capacity of 4TPH Fuel: Briquettes/Woods: 2.0 MT/day</p>
5.	<p>In form 1, under heading Production of solid wastes during construction or operation or decommissioning (MT/month) in activity no. 4 (4.3 & 4.6) - Hazardous wastes (as per Hazardous Waste Management Rules),</p> <p><i>PP/Consultant has not mentioned about Quantity (MT/month) of Hazardous waste & Sewage sludge generation in form 1,</i></p> <p>a. Please update the above details & upload the same on Form 1</p>	<p>PP submitted the following:</p> <ul style="list-style-type: none"> ➤ Hazardous Waste: Used oil (0.4 TPA) will be sent to authorized recycler; Organic residue (80.5 TPA) will be sent to TSDF, Nimbuan; Process Inorganic waste (64.8 TPA) will be sent to TSDF, Nimbuan; Spent carbon (85 TPA) will be sent to Incinerator; Discarded containers / barrels / liners contaminate with HW / chemicals (100 TPA) will be sent to an authorized recycler; MEE salt/ ETP sludge (1.2 TPA) will be sent to TSDF, Nimbuan; Boiler Ash (28 TPA) will be used for Filling for low lying areas ➤ Liquid Effluents: Process wastewater (22.0 KLD) will be treated in MEE; Laboratory, Reactor Washing, Boiler/cooling tower Blow Down, RO Rejection (8.35 KLD), Domestic (1.8 KLD) will be treated in ETP.
6.	<p>In form 1, under heading Release of pollutants or any hazardous, toxic or noxious substances to air (Kg/hr) in activity no. 5 (5.1 & 5.2) - Emissions from combustion of fossil fuels from stationary/mobile sources and production processes (Acid Mist</p>	<p>PP submitted that the main pollutant generated during the combustion of fossil fuels will be PM, CO, NO_x and SO₂ and pollutant from the process will be Acid mist. However, They can assure that all the parameters will be within the prescribed standard limit by SPCB/CPCB.</p>

	<p>etc),</p> <p><i>PP/Consultant has not mentioned about Quantity (Kg/Hr) of Emissions from combustion of fossil fuels in form 1,</i></p> <p>a. Please update the above details & upload the same on Form 1</p>	
7.	<p>PP/Consultant has submitted the Application dated 22.07.2020 for issuance of EC under category B2 without mentioning the details of major documents being submitted along with application which are required to be submitted with category B2 projects as per MoEF guidelines.</p> <p>Further, the application has been submitted with Blurred signatures of PP which are not readable.</p> <p>a. Please update the above details & upload the same on Form 1</p>	Submitted
8.	<p>PP/Consultant has submitted the layout plan which is not readable with the following deficiencies:</p> <ol style="list-style-type: none"> 1. Mentioned wrong Green area as around (25%) i.e 1091 sqm 2. Not provided green plantation along the periphery of the boundary 3. Not marked all the utilities in the layout plan as per checklist 4. Provide proper legend for all utilities <p>a. Please update the above details & upload the same on Form 1</p>	Submitted
9.	<p>PP/Consultant has submitted the master plan of SAS Nagar showing project site falls under agriculture land and at page no. 24 of PFR it has been mentioned that land has been converted to industrial use but has not</p>	PP submitted that Application for Change of Land Use from competent authority is under process. However, the land registration document mentioning the land as Industrial has been provided.

	<p>provided documentary proof of Change of Land Use from competent authority.</p> <p>a. Please update the above details & upload the same on Form 1</p>	
10.	<p>In PFR at page no. 18, under the heading compliance of Environmental Regulations, it has been mentioned that NOC/CTE has already been obtained for M/s Biovidid Lab but has not submitted/attached any documentary proof.</p> <p>a. Please update the above details & upload the same in PFR as well</p>	<p>PP informed that NOC/CTE is inadvertently mentioned in Compliance with Environmental regulation. We will apply for CTE/CTO after getting EC</p>
12.	<p>Please submit revised CER activities as per MoEF&CC OM dated 01.05.2018, with works of infrastructure creation only.</p>	<p>Submitted</p>
13.	<p>In PFR at page no. 165, approval of site from labour deptt. vide letter no. 5067 dated 22.12.2003 for M/s Emsons Organics Pvt. Ltd has been attached, which is a different unit, Kindly clarify the following details:</p> <ol style="list-style-type: none"> 1. Reason for shutting down the above unit 2. Whether any litigation pending against above unit or to the new proposed unit (M/s Biovidid Lab) in same premises 3. Valid NOC/CTE for starting the operation of M/s Biovidid Lab from competent authority <p>a. Please update the above details & upload the same in PFR as well</p>	<p>PP informed that M/s Emsons Organics Pvt. Ltd is an existing unit. The unit is closed due to non-viability of the project. The PP bought it under the liquidation process through court.</p> <p>The reason for closing off the unit is non-viability of the project No litigation is pending against any one of them i.e Emsons / Biovidid Lab. We will apply for CTE/CTO after getting EC</p>
14.	<p><i>As per Pre-feasibility report, it has been proposed to manufacture of various drugs with production capacity 6000</i></p>	<p>PP informed that the product 'Ascorbic Acid' will be used for the ailments of Corona</p>

	<p><i>TPA.</i></p> <p>Please clarify that whether each these proposed drugs will be used for the ailments of Corona Virus as per MoEFCC OM dated 13.04.2020.</p>	Virus.			
15.	Not submitted Rehabilitation & Resettlement (R&R) plan, please include it in the PFR as mentioned in MoEF circular dated 30.12.2010	Submitted			
16.	Please submit blockwise details of no. of trees to be planted in the proposed greenbelt area (1500 Trees to be planted @ 10000 Sqm area) in the following format:	PP submitted following details:			
		S. No.	Descrip tion	Area (m2)	No. of plants to be planted
		1.	I	150	38
		2.	II	15	4
		3.	III	85	21
		4.	IV	10	3
		5.	V	45	11
		6.	VI	120	30
		7.	VII	100	25
		8.	VIII	861	215
	Total		1388	347	
17.	Please ensure that the PFR being submitted should be as per the guidelines of MoEF circular no. J-11013/41/2006-IA.II (I) dated 30.12.2010	Submitted			
18.	<p><i>It has been observed that there are so many incompletions in the Form 1 & PFR submitted, the consultant is advised to ensure that the application should be complete in all respects and while submitting & uploading EDS reply, Please make necessary changes in the relevant documents online/offline as per the EDS reply as well.</i></p> <p>a. Reason for submitting</p>	PP informed that the same has been revised and uploaded.			

	application with so many above shortcoming & mistakes	
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Thereafter, the application for obtaining EC was accepted online on 21.09.2020.

Environmental Engineer, PPCB, RO, Patiala was requested vide email dated 05.08.2020 to send the report on the following points:-

- i) Construction/Installation status of the newly proposed project of the industry
- ii) Status of physical structures within 500 m radius of the site including the status of industries, if any
- iii) Status of Consent to Establish/NOC from PPCB for M/s Biovid Labs Pharmaceuticals Pvt. Ltd.
- iv) Whether any direction passed by PPCB to M/s Emsons Organics Pvt. Ltd.(Old unit existed at same site earlier) under Water or Air Act due to which the unit was shut down .
- v) Validity details of last CTO issued under Air/Water Act to M/s Emsons Organics Pvt. Ltd.

Accordingly, Member Secretary, PPCB vide email dated 23.09.2020 has sent a copy of the letter dated 3590 dated 22.09.2020 to the effect that the industry was visited by its AEE of Regional Office, of the Board on 07.08.2020 and it was informed as under:-

Suitability of Site

The project proponent has proposed to establish this unit in the existing building of M/s Emson Organics Limited. This unit was earlier lying closed and Board had issued direction u/s 33-A of the Water Act, 1974 for not to restart its operations and the PSPCL authorities were directed not to release the power connection to the industry without the prior permission of the Board.

During the visit, it is observed that there is predominantly agriculture land around the unit and crop of Kharif season was standing in the fields. Since, the old industry M/s Emson Organics Limited, which was established in the year 2009, before the notification of Master Plan, Rajpura, therefore, a certificate regarding the location of industry in designated/ approved industrial area is required from the Department of Town Planning Department as per provisions of notified Master Plan of Rajpura. For areas other than designated/ Industrial areas or for the areas where the master plan are yet not prepared or the site is outside the master plan of any city/ town, then the distance of the industry from municipal limits, lal lakir/phirni and residential area/ houses is to be verified by the revenues authorities such as DC/ADC/SDM. No such certificate is found attached with the present application. As such, no comments regarding the suitability of site provided by the Board at this stage.

Construction Phase

There was existing building of M/s Emson Organics, Limited at site having machinery in abandoned condition. The repair works of the old machinery installed in the premises was going on at the site. No new machinery has been installed by the promoter. The industry has proposed to sell/ obsolete entire machinery with advance new machinery.

Adequacy of pollution control proposals

As per pre-feasibility report, the total water requirement will be 40 KLD. The industry will generate high and low TDS effluent @ 22 KLD and 8.35 KLD respectively. It has proposed to install multiple effect evaporator (MEE) followed by Agitated Thin Film Dryer (ATFD) for the TDS effluent. Further, ETP consisting of physico- chemical treatment followed by biological treatment and filters (Activated Carbon and Sand) is proposed for low TDS effluent. The Domestic effluent is also proposed to be treated through biological treatment in ETP. The permeate of the RO plant will be used in the cooling tower and RO reject will be sent to MEE plant for evaporation. The ETP treated water is proposed to be utilized in cooling towers and washing etc. The proposal is in line with the practice treatment technologies followed by such pharma units.

For the treatment of flue gas emission, the industry has proposed to provide multi-cyclone followed by wet scrubber as APCD with its 4 TPH wood/briquettes fired boiler. Further to it, the industry has proposed to provide packed bed scrubber for gaseous emissions and alkali scrubbers for acidic emissions. The line of treatment is principally acceptable.

2.0 Deliberations during the 193rd meeting of SEAC held on 26.09.2020

The meeting was attended by Sh. Mahesh Kumar Rohira, Director of the company and Sh. Seetal Singh, , M/s CPTL, Mohali. Environmental Consultant of the promoter company was allowed to make the presentation for proposal before SEAC as under:

Sr. No.	Description	Details
1.	Name of the project	M/s Biovid Labs Pharmaceutical (P) Limited Village- Faridpur, Tehsil- Rajpura, District- Patiala
2.	Online Proposal No.	SIA/PB/IND2/165111/2020
3.	Nature of project	EC for new project
4.	a) Category b) Activity	As per S.O. 1223(E) dated: 27.03.2020, “All proposals for projects or activities in respect of Active Pharmaceutical Ingredients (API) received up to the 30th September 2020, shall be appraised as Category ‘B2’

		5(f)			
5.	Total Project Cost (In Crores)	Rs. 5.55 Crores			
6.	Amount of EC Processing Fee deposited	Amount of Rs 55,500/- vide NEFT by UTR no. KKBKH20201867299 dated 19-07-2020.			
7.	Co-ordinates	Point	Latitude	Longitude	
		A	30°32' 06.84"N	76°39' 22.20"E	
		B	30°32' 06.93"N	76°39' 25.32"E	
		C	30°32' 09.99"N	76°39' 23.95"E	
		D	30°32' 09.98"N	76°39' 23.34"E	
		E	30°32' 08.42"N	76°39' 22.88"E	
		F	30°32' 08.42"N	76°39' 22.22"E	
8.	Type of project land as per master plan	Agricultural land, However, Project Proponent has applied for CLU			
9.	Details of technology proposed for control of emissions & effluents generated from project	PARTICULARS	CAPACITY	TECHNOLOGY	
		Effluent Treatment Plant	15m ³ /day	MBBR Technology	
		Evaporation of HTDS effluent	25m ³ /day	MEE/MVR Technology	
		APCD	----	Multicyclone & scrubbers	
		Incinerator	200kg/day	Pyrolysis Technology	
10.	Plot Area Details	S. No.	PARTICULARS	AREA in m²	%
		1	Total roof area	1217.87	29.0
		2	Roads	842.30	20.0
		3	Green Area	1388.0	33.0
		4	Parking area	203.62	4.85
		5	Kacha open area	485.41	11.55
		6	Tank area	46.09	1.1
		7	Hazardous area	20.91	0.5
		TOTAL	4202.23 M²	100%	
11.	Raw material details & Quantity :				
	S.N O	Name of raw material	CONSUMPTIO NS TPA	PHYSICAL STATE	MODE OF STORAGE
	1	2,6 dcp	840	Solid	Container
	2	Sodium methoxide	2184	Solid	Container

3	Mono methyl chloro acetate	652.8	Liquid	Container
4	Aniline	508.8	Liquid	
5	Caustic potash	692.4	Solid	Container
6	Chloro acetyl chloride	1274	Liquid	Container
7	Activated carbon	42	Solid	Bags
8	Dimethyl aniline	685	Liquid	Plastic Container
9	Tertiary butyl alcohol	379	Solid	Plastic Container
10	Soda ash	10.5	Solid	Container
11	Diclofenac sodium	2052	Solid	Bags
12.	formic acid	736	Liquid	PVC Container
13.	methyline chloride	840	Liquid	Plastic Container
14.	acetamide	70	Solid	Plastic Container
15.	dimethyl di-chlorosilane (DMDCS)	1000	Liquid	Container
16.	Iso propyl alcohol	2978	Liquid	Container
17.	trimethyl amine	160	Gas	Cylinder
18.	caustic solution	60	Liquid	Container
19.	iso butyl benzene	93.3	Liquid	Container
20.	PGCH	140		
21.	Ethylene di chloride	258	Liquid	SS Tank
22.	Aluminum chloride	115.7	Solid	SS Tank
23.	Acetyl chloride	69.6	Liquid	
24.	Monochloroacrcti c acid	231	Liquid	Container
25.	Sulphuric acid	169	Liquid	SS Tank
26.	Ferric chloride		Solid	Container
27.	Sodium metal	18.4	Solid	Container
28.	Caustic lye	70.8	Solid	Container
29.	Sodium dichromate	59.3	Solid	Container
30.	Hexane	127.3	Liquid	Container
31.	Ofloxacin acid	315.2		
32.	N-methyl piparazine	232	Liquid	Container
33.	Levofloxacin acid	346.6		
34.	CMIC chloride	104.8	Solid	Plastic Container

35.	2-ethyl hexonate sodium salt	120	Solid	Container
36.	DICMIC chloride	52.3	Solid	Container
37.	O-chloro benzoic acid	66	Solid	Container
38.	2,3- xylidine	50	Liquid	Container
39.	Toluene	100	Liquid	Plastic Drum
40.	Dane salt	86	Solid	Drum
41.	Pivoly chloride	32.2	Liquid	Container
42.	Dma	22.2	Liquid	Container
43.	Tea	27.2		Container
44.	Methylene dichloride	310	Liquid	Plastic Container
45.	Hcl	99	Liquid	Thermo Plastic container
46.	Ammonia solution	70.4	Liquid	Container
47.	Diethyl amine	23	Liquid	Container
48.	Cyanocobalamine	90	Liquid	Container
49.	Dimethyl sulphate	60	Liquid	Container
50.	Sodium borohydride	90	Solid	Container
51.	Chloroform	1000	Liquid	Glass Container
52.	Fatty acid	666	Solid	Bags
53.	Glycerol	293	Liquid	Container
54.	Potassium hydroxide	0.4	Liquid	Plastic Container
55.			Solid	Plastic Container
56.	Mono glyceride	774	Solid	Bags
57.	Acetic anhydride	465	Liquid	SS Tank
58.	Sodium acetate anhydrous	150		Bags
59.	Ethanol	53	Liquid	Plastic Container
60.	Acetic acid	69	Liquid	Plastic Container
61.	Methanol	1095	Liquid	SS Tank
62.	Ethyl acetate	1200	Liquid	Container

	63.	Ammonium hydroxide	245.5	Solid	Container
	64.	6-apa	346	Solid	Container
	65.	Acetone	1243	Liquid	Plastic Container
12.	Production details & Quantity:		Product Name		Total (6000 TPA)
			Diclofenac Sodium		250
			Diclofenac Potassium		250
			Aceclofenac		325
			Ibuprofen		350
			Ofloxacin		300
			Levofloxacin		225
			Mefenamic Acid		300
			Diclofenac Diethylamine		400
			Citicoline		200
			Ascorbic Acid		300
			Methylcobamlin : (Vitamin B12)		100
			Amoxicillin Trihydrate		200
			Ampicillin Trihydrate		100
			Cloxacillin Sodium		300
			Dicloxcillin Sodium		300
			Mono Glycerides		800
			Acetem		800
			Ethyl Acetate		500
13.	Details of major productive machinery/plant:		Sr. No.	Name of the equipment	Capacity
			1.	Boiler	4TPH
			2.	Cooling Tower	350TR
			3.	Chiller	120TR
			4.	RO Plant	4KL/Hrs
			5.	MEE	25KLD
			6.	DG Sets	300KVA
			7.	Incinerator	1Ton/day
14.	Manpower requirement		30		
15.	Details of Emissions (After expansion)		S.n o	Name of products	air pollution
					Emissions APCD

		1	Diclofenac Sodium, Diclofenac Potassium, Mefenamic Acid	HCl (Acid mist)	Alkali Scrubber
		2	Ibuprofen	HCl (Acid Mist)	Alkali Scrubber
		3	Ofloxacin, Levofloxacin	HF (Acid mist)	Alkali Scrubber
		4	Wood Fired Boiler	SPM	Multicyclone & water Scrubber
16.	Hazardous Waste Generation details and its disposal				
	Category	Type of hazardous		Quantity	Mode of disposal
	5.1	Used oil		0.4TPA	Will be sent to authorized recycler
	20.2	Organic residue		270.0TPA	Incineration
	28.1	Process Inorganic waste		42.0TPA	TSDF Site Nimbuan
	28.3	Spent carbon		43.3TPA	Incineration
	33.1	Discarded containers/barrels/liners contaminate with HW/chemicals		100TPA	Will be sent to authorized recycler
	35.3	MEE salt & ETP sludge		1.2TPA	TSDF Site Nimbuan
	36.2	Boiler Ash		28.0TPA	Filling for low lying areas
17.	Solid Waste generation and its mode of disposal				
	S.no	Name of products		Type of waste and generation per T/annum	Mode of disposal
	1	Diclofenac Sodium		2.00 Charcoal	Incinerate
	2	Diclofenac Potassium		2.00 Charcoal	Incinerate
	3	Aceclofenac		0	
	4	Ibuprofen		31.50	Incinerate

	5	Ofloxacin	0	
	6	Levofloxacin	0	
	7	Mefenamic Acid	7.8 Activated carbon	
	8	Diclofenac Diethylamine	NIL	
	9	Citicoline	NIL	
	10	Ascorbic Acid	NIL	
	11	Methylcobamlin (vitamin B12)	270 Organic residue	Icineration
	12	Amoxicillin Trihydrate	0	
	13	Ampicillin Trihydrate	0	
	14	Cloxacillin Sodium	2.7 Ammonium chloride 0.009	Process Inorganic waste will be sent to TSDF site Nimbuan
	15	Dicloxcillin Sodium	39.30 Ammonium chloride	
	16	Mono Glycerides	0	
	17	Acetem	0	
	18	Ethyl Acetate	0	
	TOTAL		355.3MTA	
18.	Waste water generation its disposal Arrangement in Operation Phase			
	S. no.	Description	Waste water generation	Treatment
	1	Process wastewater	22.0KLD	MEE
	2	Laboratory, Reactor Washing, Boiler/cooling tower Blow Down, RO Rejection	8.35KLD	ETP
	3	Domestic uses	1.80KLD	
	TOTAL		32.15KLD	
19.	Details of the block in which the project site is located as per CGWA guideline		Non Notified block	

20.	Breakup of Water Requirements & its source in Operation Phase:	S. No.	Description	Requirement		
		Source Of Water –Ground Water				
		1	Process water	29.0KLD		
		2	Utilities	05.0KLD		
		3	Boiler	04.0KLD		
		4	Domestic uses	02.0KLD		
		Total		40.0KLD		
		Sources of water:				
		S.No.	Purposes	Source of water		
		1.	Domestic	Ground water		
2.	Make-up water demand for cooling	Treated waste water				
4.	Green area water demand	Treated waste water				
21.	Water balance chart for Summer, Rainy and Winter seasons	Submitted				
22.	Rain Water utilization proposal during monsoons	Submitted.				
23.	Blockwise details of no. of trees to be planted	S.No.	Description	Area (m2)	No. of plants to be planted	
		1.	Green belt area-I	150	38	
		2.	Green belt area-II	15	04	
		3.	Green belt area-III	85	21	
		4.	Green belt area- IV	10	03	
		5.	Green belt area- V	45	11	
		6.	Green belt area- VI	120	30	
		7.	Green belt area- VII	100	25	
		8.	Green belt area- VIII	861	215	
		Total		1388	347	

24.	<p>a. Energy requirements & savings:</p> <p>b. Energy saving measures to be adopted within industry:</p>	<p>a. The details of the energy are given below:</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-bottom: 10px;"> <thead> <tr> <th style="width: 10%;">S. No.</th> <th style="width: 40%;">Description</th> <th style="width: 15%;">Unit</th> <th style="width: 35%;">Consumption</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1.</td> <td>Power load</td> <td style="text-align: center;">KW</td> <td style="text-align: center;">700</td> </tr> </tbody> </table> <p>b. Energy saving measures to be adopted within industry:</p> <p>Following Energy conservation methods shall be adopted:</p> <p>i) 20W CFL shall be used for each 40 W tubes for inter lighting.</p> <p>ii) Outer street lighting shall be completely on solar energy.</p> <p>Likely saving of energy will be as follows: -</p> <p>Load Distribution:</p> <table style="width: 100%; margin-left: 20px;"> <tr> <td style="width: 70%;">1. Total Internal Lighting Load</td> <td style="text-align: right;">= 50 KW</td> </tr> <tr> <td>2. Outer Lighting Load</td> <td style="text-align: right;">= 20 KW</td> </tr> <tr> <td>3. Other Power load</td> <td style="text-align: right;">= 630 KW</td> </tr> <tr> <td style="text-align: right;">Total Load</td> <td style="text-align: right;">= 700 KW</td> </tr> </table> <p>Saving:</p> <p>By using 20 W LED against 40 W tube lights (50%) = 25 KW</p> <p>By using solar energy for outer Lighting (50%) = 10 KW</p> <p style="text-align: right;">TOTAL = 35 KW</p> <p style="text-align: center;">Percentage (35/700X100) = 5%</p>	S. No.	Description	Unit	Consumption	1.	Power load	KW	700	1. Total Internal Lighting Load	= 50 KW	2. Outer Lighting Load	= 20 KW	3. Other Power load	= 630 KW	Total Load	= 700 KW
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25.	<p>EMP Budget details</p> <p style="text-align: center;">During Construction Phase</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Sr. No.</th> <th style="width: 30%;">Particulars</th> <th style="width: 15%;">Approx. Cost (Rs Lac)</th> <th style="width: 20%;">Frequency)</th> <th style="width: 25%;">Parameters Covered</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1.</td> <td>Ambient Air Monitoring</td> <td style="text-align: center;">Rs 0.20</td> <td style="text-align: center;">Every three Months</td> <td style="text-align: center;">As per new notification</td> </tr> <tr> <td style="text-align: center;">2.</td> <td>Noise Level Monitoring</td> <td style="text-align: center;">Rs 0.10</td> <td style="text-align: center;">Every three months</td> <td style="text-align: center;">24 Hrs. Noise Level</td> </tr> <tr> <td style="text-align: center;">3.</td> <td>Treated Effluent Monitoring</td> <td style="text-align: center;">Rs 0.60</td> <td style="text-align: center;">Every month</td> <td style="text-align: center;">pH, TSS, TDS, COD, BOD, O/G, Phenolic Compound,</td> </tr> </tbody> </table>	Sr. No.	Particulars	Approx. Cost (Rs Lac)	Frequency)	Parameters Covered	1.	Ambient Air Monitoring	Rs 0.20	Every three Months	As per new notification	2.	Noise Level Monitoring	Rs 0.10	Every three months	24 Hrs. Noise Level	3.	Treated Effluent Monitoring	Rs 0.60	Every month	pH, TSS, TDS, COD, BOD, O/G, Phenolic Compound,
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				Ammonical Nitrogen & Bio-assay
4.	Drinking water	Rs 1.20	Every month	All as per BIS standard
During Operational Phase				
Sr. No.	Particulars	Approx. Capital Cost (Lac)	Approx. Recurring Cost Annually (Lac)	Parameters Covered
1.	Multi-Cyclone & Scrubbers	Rs 25.0	Rs 2.5	SPM, Co ₂ , No _x , And Acid Mist
2.	Multi Effect Evaporator (Mee)	Rs 85.0	Rs 1.5	----
3.	Incinerator	Rs 50.0	Rs 1.5	SPM, Co, Acid Mist
4.	Effluent Treatment Plant	Rs 15.0	Rs 2.0	pH, Tss, Tds, Cod, Bod, O/G, Phenolic Compound, Ammonical Nitrogen & Bio-Assay
5.	Green Belt Development	Rs. 2.0	Rs.0.5	Saplings, Transportation, Fertilizers, Horticulturist Etc.
Total		Rs. 177.0	Rs 8.0	----
29	Details of revised CER activities :			
	DESCRIPTION	ACTIVITY PROPOSED	ENVIRONMENT ASPECT	COST
	Govt Primary School Block Jansla Rajpura Patiala	Water coolers and Two no Toilets in school	Sanitation	Rs 2.5 Lacs
		Plantation of trees all around the boundary wall of school.	Aesthetic & Pollution Control	Rs 1.5 Lacs
		5 No. Solar light in school	Energy saving/Resource Conservation	Rs 0.7 Lacs
	Jansla Village activities	Boundary wall and RCC bench at cremation ground.	Aesthetic	Rs 2.0 Lacs

		12 No. Solar lights in village road	Energy saving/Resource Conservation	Rs 1.00 Lac
		Repair of village road and tree plantation	Aesthetic & Pollution Control	Rs 3.3 Lacs

During the meeting, the following observations were made to which the project proponent replied as under:

S. No.	Query	Reply
1.	What is the land use pattern of the project site?	The land use pattern of the industry is agriculture. Further, PP submitted a copy of CLU already issued to old industry with land use as industrial It was informed that correction was not made and not included in the master plan of Rajpura and accordingly, a new Application for CLU for new industry has already been submitted.
2.	Submit revised EMP for Green belt considering cost Rs. 400 per plant	PP submitted a copy of the revised EMP after considering the cost Rs. 400 per plant.
3.	Submit Rainwater harvesting proposal.	For RWH, a pond of Faridpur village is adopted. In the pond, three filling will be done and total 38574m ³ water will be recharged. All the waste water of nearby Faridpur village which will be directed towards the village ponds will be first treated in trenches through CSIR-NEERI's Phytorid waste water treatment technology and overflow water will be discharged into the pond. Submitted the NOC for RWH from concerned Panchayat.
4.	How boiler ash will be disposed of?	The boiler ash @ 28 TPA or 80kg/day will be sent to M/s Century Cement Co. for final disposal. A copy of the Agreement made with the plant was submitted.
5.	Will ZLD technology will be adopted.	Yes, the proposed project will be based on ZLD. An undertaking to this regard was submitted.
6.	Whether the project proponent has agreements for Hazardous wastes & non-hazardous wastes?	Yes, agreements have already been done and submitted.

7.	The project cost of Rs 9.5 Crore has been mentioned in the application submitted for CLU and whereas the Project cost of Rs 5.5 Crore has been mentioned in the application of EC. Clarify.	Project Proponent has added the cost of raw material in the project cost while submitting the application of CLU with the competent authority. However, considering the project cost of Rs. 9.54 Crores, the balance fee Rs 39500/- has already been deposited vide UTR No. 026915712235 dated 25.09.2020..
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SEAC was satisfied with the presentation and reply given to the observation. SEAC took a copy of the presentation along with a reply on record.

3.0 Recommendations

After detailed deliberations, SEAC decided to award '**Silver Grading**' to the project proposal under category B2, Activity 5 (f) as per MOEF&CC OM dated 13.04.2020 and to forward the application to SEIAA with the recommendations to grant Environmental Clearance for the establishment of a new API Bulk Drug Pharmaceutical manufacturing unit at Village- Faridpur, Tehsil- Rajpura, District- Patiala, Punjab, by "M/s Biovid Labs Pharmaceuticals Pvt. Ltd" as per the details mentioned in the application & subsequent presentation /clarifications made by the project proponent & his consultant and conditions are as under:

I. Statutory compliance

- i. The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.
- ii. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
- iii. The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report. (in case of the presence of schedule-I species in the study area)
- iv. The project proponent shall obtain the necessary permission from the Central Ground Water Authority/ competent authority concerned, in case of drawl of ground water and also in case of drawl of surface water required for the project. In case of non- grant of permission by CGWA for ground water abstraction, the industry shall make alternative arrangements by using surface water or treated city sewage effluent after obtaining permission from competent authority.
- v. The project proponent shall obtain Consent to Establish/Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the Punjab State pollution Control Board/ Committee.

- vi. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.
- vii. The project proponent shall comply with the siting criteria, standard operating practices, code of practice and guidelines if any prescribed by the SPCB/CPCB/MoEF&CC for such type of units.
- viii. The project proponent shall comply with the CLU conditions imposed by competent authority, if any
- ix. The Company shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 as amended time to time. All transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA), 1989.

II. Air quality monitoring and preservation

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

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

III. Water quality monitoring and preservation

- i. The project proponent shall provide online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises ,
- ii. As already committed by the project proponent, Zero Liquid Discharge shall be ensured and no waste/treated water shall be discharged outside the premises.
- iii. The effluent discharge shall conform to the standards prescribed under the Environment (Protection) Rules, 1986, or as specified by the State Pollution Control Board while granting Consent under the Air/Water Act, whichever is more stringent.
- iv. Total fresh water requirement shall not exceed the 40 KLD. Prior permission shall be obtained from the concerned regulatory authority/CGWA in this regard.
- v. Process effluent/any wastewater shall not be allowed to mix with storm water. The storm water from the premises shall be collected and discharged through a separate conveyance system.
- vi. The Company shall store the rainwater from the roof tops of the buildings and and utilize the same for different industrial operations within the plant.
- vii. Water demand during construction should be reduced by use of ready mixed concrete, curing agents and other best practices.
- viii. Provide electromagnetic flow meter at intake of water supply from the at the borewell for abstraction of ground water if any, outlet of the ETP/STP and any pipeline to be used for re-using the treated wastewater back into the system and for horticulture purpose/green belt etc.
- ix. A proper record regarding groundwater abstraction, water consumption, its reuse and disposal shall be maintained on daily basis and shall maintain a record of readings of each such meter on daily basis.
- x. Fixtures for showers, toilet flushing and drinking should be of low flow either by use of aerators or pressure reducing devices or sensor-based control.
- xi. Separation of drinking water supply, treated sewage supply and treated permeate line leading back to the process water should be done by the use of different colors.

IV. Noise monitoring and prevention

- i. Acoustic enclosure shall be provided to DG set for controlling the noise pollution.
- ii. The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation.

- iii. The ambient noise levels should conform to the standards prescribed under EPA Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time

V. Energy Conservation measures

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

VI. Waste management

- i. All the topsoil excavated during construction activities should be stored for use in horticulture / landscape development within the project site.
- ii. Disposal of muck during construction phase should not create any adverse effect on the neighbouring communities and be disposed off after taking the necessary precautions for general safety and health aspects of people with the approval of competent authority. The project proponent will comply with the provisions of Construction & Demolition Waste Rules, 2016. Dust, smoke & debris prevention measures such as wheel washing, screens, barricading and debris chute shall be installed at the site during construction including plastic / tarpaulin sheet covers for trucks bringing in sand & material at the site.
- iii. Construction spoils, including bituminous material and other hazardous material, must not be allowed to contaminate watercourses. The dump sites for such material must be secured, so that they should not leach into the groundwater.
- iv. Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arresters shall be provided on tank farm and the solvent transfer through pumps.
- v. Process organic residue and spent carbon, if any, shall be sent to cement industries. ETP sludge, process inorganic & evaporation salt shall be disposed off to the TSDF.
- vi. The Project proponent shall abide by the provisions of Solid Waste Management Rules, 2016 (amended from time to time), if applicable.
- vii. The company shall undertake waste minimization measures as below: -
 - a. Metering and control of quantities of active ingredients to minimize waste.
 - b. Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.
 - c. Use of automated filling to minimize spillage.
 - d. Use of Close Feed system into batch reactors.
 - e. Venting equipment through vapour recovery system.
 - f. Use of high-pressure hoses for equipment clearing to reduce wastewater generation

VII. Green Belt

- i. The green belt of 10 m width shall be developed in more than 33% of the total project area, mainly along the plant periphery, in downward wind direction, and along road sides etc. Selection of plant species shall be as per the CPCB guide lines in consultation with the State Forest Department. Total 347 trees to be planted without accounting the shrubs and protect the same with tree guard made of concrete.

VIII. Safety, Public hearing and Human health issues

- i. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
- ii. The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire fighting system shall be as per the norms.
- iii. The PP shall provide Personal Protection Equipment (PPE) as per the norms of Factory Act.
- iv. Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.
- v. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
- vi. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
- vii. There shall be adequate space inside the plant premises earmarked for parking of vehicles for raw materials and finished products, and no parking to be allowed outside on public places.
- viii. A first aid room will be provided in the project both during construction and operation phase of the project.

IX. Corporate Environment Responsibility

- i. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility. The project proponent shall spend Rs. 11 lacs towards the following CER activities:

Sr. No.	Description	Activity proposed	Environment aspect	Cost
1	Govt Primary School Jansla Block	Water coolers and Two no Toilets in school	Sanitation	Rs 2.5 Lacs
		Plantation of trees all around the boundary wall of school.	Aesthetic & Pollution Control	Rs 1.5 Lacs

	Rajpura Patiala	5 No. Solar light in school	Energy saving/Resource Conservation	Rs 0.7 Lacs
2.	Jansla Village activities	Boundary wall and RCC bench at cremation ground.	Aesthetic	Rs 2.0 Lacs
		12 No. Solar lights in village road	Energy saving/Resource Conservation	Rs 1.00 Lac
		Repair of village road and tree plantation	Aesthetic & Pollution Control	Rs 3.3 Lacs
			Total	Rs. 11 Lacs

The amount to be spent on CER activities shall be proportionate to the amount spent on project & such activities shall run parallel to the project execution. All the activities must be completed with the completion of the project

- ii. 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 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.
- iii. 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.
- ii. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by the competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six-Monthly Compliance Report. The project proponent shall adhere to the commitments made in the Environment Management Plan. In the construction phase, amount of Rs. 1.77 Lacs as a capital cost and Rs. 2.1 Lacs per annum as a recurring expenses and in the operation phase, Rs. 8.25 Lacs per annum as recurring expenses shall be spent as proposed in the EMP.
- iv. Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.

X Validity of Environmental Clearance.

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

XI. Miscellaneous

- i. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department etc. shall be obtained, by project proponent from the competent authorities including Punjab Pollution Control Board and from other statutory bodies as applicable.
- ii. In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by State Environment Impact Assessment Authority, Punjab.
- iii. The environmental safeguards contained in the application of the promoter / mentioned during the presentation before State Level Environment Impact Assessment Authority/State Expert Appraisal Committee should be implemented in letter and spirit.
- iv. The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.
- v. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
- vi. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
- vii. The project proponent shall monitor the criteria pollutants level namely; PM10, SO₂, NO_x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.
- viii. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
- ix. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
- x. The project proponent shall inform the Regional Office of the Ministry and PPCB, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production/ operation by the project.

- xi. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
- xii. The project proponent shall abide by all the commitments and recommendations made in the EIA /EMP report, commitment made during Public Hearing and also that during their presentation to the SEAC and SEIAA.
- xiii. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
- xiv. Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
- xv. The SEIAA/Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
- xvi. The SEIAA/ Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
- xvii. The Regional Office of this Ministry or Punjab Pollution Control Board shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office and PPCB by furnishing the requisite data / information/monitoring reports.
- xviii. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.
- xix. Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

XII. ADDITIONAL CONDITIONS:

- i. The Environmental Clearance is granted to the project subject to the condition that industry shall obtain change of land use for the industrial purposes and submit a copy of the same to SEIAA. In case, CLU has been rejected for industrial use for any reason, SEIAA will not be responsible for the cost incurred on the project.
- ii. The project proponent shall provide effluent treatment systems for the high TDS stream with MEE as proposed. The treated water will be used in the process for core/non-core activities within their premises to achieve the Zero Liquid Discharge.

- iii. To achieve the Zero Liquid Discharge, waste water generated from different industrial operations should be properly collected, treated to the prescribed standards and then recycled or reused for the identified uses.
- iv. The project proponent shall provide septic tank of adequate capacity for the treatment of domestic effluent/ sewage and shall utilize whole of this treated effluent for horticulture, plantation and green area.
- v. The project proponent shall make necessary arrangements for the recovery and reuse of steam condensate resulting from the indirect steam applications and shall not allow to discharge such effluents into drain.
- vi. The project proponent shall provide advanced scrubbing systems with proper neutralizing media to handle the acidic/alkaline emissions from storage, handling & processing activities. Wherever required, packed bed scrubbers will also be provided. The suction and scrubbing systems shall also be designed to handle the inherent odours from such units.
- vii. The project proponent shall provide the Air Pollution Control Devices as proposed by the PPCB to control the emissions generated from the boiler within the prescribed parameter.
- viii. The project proponent shall dispose of fly ash generated from the boiler with M/s New Century Cement Company as per the agreement made vide letter dated 22.09.2020.
- ix. Artificial Rain Water recharging/rainwater harvesting shall be carried out as required by CGWA. However, recharging structures shall not be provided within the plant premises to avoid any intentional or unintentional discharge of trade or domestic effluent.
- x. The project proponent shall practice rainwater harvesting to maximum possible extent. For this a village ponds having volume @ 25,716 m³ located at Village Faridpur, Tehsil Rajpura & District Patiala respectively shall be adopted for desilting to recharge the rainwater. 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 in different parts, the overflow of each chamber shall be allowed to enter into another chamber which will ultimately lead to purification of water and collected into 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.

Item No. 193.03 Application for issuance of TORs for setting up of new steel Ingots/Billets manufacturing unit with capacity 1,27,800 TPA & 1,25,000 TPA of Round, MS Bars, Flats, TMT Bars, Wire Rod by installing Induction Furnaces (2X15TPH OR 1X25TPH) at Village Mehlon Lakhawal-Kohara Road, Distt-Ludhiana, Punjab by M/s Sharu Special Alloys Pvt. Ltd-Unit II (Proposal No. SIA/PB/IND/55146/2020).

SEAC observed as under:

1.0 Present case

The project proponent has applied for issuance of TORs to M/s Sharu Special Alloys Pvt. Ltd-Unit II for setting up of new steel Ingots/Billets manufacturing unit with capacity 1,27,800 TPA & Round, MS Bars, Flats, TMT Bars, Wire Rod with capacity of 1,25,000 TPA by installing two no. Induction Furnaces of capacity 15 TPH each or 1x25TPH, a concast machine & a rolling mill at Village Mehlon Lakhawal-Kohara Road, Distt-Ludhiana, Punjab. The project is covered under Activity 3(a) & Category 'B1' as per EIA notification-2006.

The project proponent submitted the Form I (Appendix I), Pre-feasibility report and other additional documents on the online portal. He has also deposited the processing fee amounting to Rs. 56,250/- (25% of the total fee) through NEFT (Rs. 52,650/- submitted through with UTR no.- N199201190050550 dated 17th July, 2020 & Rs. 3,600/- with UTR no.- N200201190907528 dated 18th July, 2020).

The application was scrutinized & Essential Details were sought dated 04.09.2020, to which the project proponent replied dated 07.09.2020 and brief details are as under:

Sr. No.	Detail of Document	Reply submitted by PP dated 07.09.2020
1.	Calculation of 1,27,800TPA w.r.t Time of heat for each furnace, no. of heats/day, no. of working days	No. of heats- 12 No. of working days- 355 Production Calculation as – For 15TPH $2 \times 15 \times 12 \times 355 = 1,27,800\text{TPA}$ Or For 25TPH $1 \times 25 \times 12 \times 355 = 1,06,500\text{TPA}$ Considered Higher Production capacity i.e 1, 27,800 TPA.

Environmental Engineer, PPCB, Region Office, Ludhiana was requested vide email dated 08.09.2020 to send the report on the following points:

- i) Construction/Installation status of the proposal of the proposed project of the industry
- ii) Distance of unit from the boundary of MC Limit and Critically Polluted Area.
- iii) Status of physical structures within 500 m radius of the site including the status of industries, if any
- iv) Status of consents issued to existing unit under the Air Act, 1981 and Water Act, 1974

Accordingly, Environmental Engineer, Regional Office-I, Ludhiana vide email dated 19.09.2020 informed that the industry was visited by its AEE on 18.09.2020 and the pointwise reply are as under:-

- i) The site of the Project is Located at Village Mehlon, Lakhawal Kohara Road, Ludhiana at co-ordinates 30.8869000 , 76.0094960. At the site only a boundary wall has done and no Construction activity has been started/ No machinery is installed.
- ii) The site falls more than 5 Km from the MC Limit of Ludhiana and Critically Polluted area. The industry has also submitted the Certificate issued by the ATP , MC, Ludhiana vide letter no 910/ATP-B/D dated 22.10.2019, According to which the site is Located More than 5 Km from MC limit of Ludhiana. Copy of letter enclosed.
- iii) Within the Radius of 500 m of site there is no Residential area, Educational Institute or religious place. There are only 3-4 industrial units within 500 m radius of this unit.
- iv) This unit is yet to establish, hence as per record no NOC/Consent has been issued to this site/project.

The details of the project as given in Form 1, Pre-feasibility Report and other documents are as under:

Sr. No.	Description	Details
1.	Online Proposal No.	Proposal No. SIA/PB/IND/55146/2020
2.	Name and Location of the project	M/s Sharu Special Alloys (P) Limited Unit-II Village Mehlon, Kohara-Lakhawal Road, Ludhiana, Punjab
3.	Nature of project	Fresh EC
4.	a) Category b) Activity (As per schedule appended to EIA Notification, 2006 as amended time to time.)	(a) B1 (b) Metallurgical Industries (ferrous & non-ferrous) Schedule 3(a) as per EIA notification-2006.
5.	Details of Consent to operate under (Air/Water Act)	Not obtained, as it is a new project.

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6.	Proposed production Capacity (TPA)	1,27,800 TPA for manufacturing Ingots/Billets & 1,25,000 TPA for Round, MS Bars, Flats, TMT Bars, Wire Rod by installing Induction Furnaces of capacity 2x15 TPH or 1x25TPH, a concast machine & a rolling mill							
7.	Details TOR processing fee submitted (25% of the total project cost)	Rs. 56,250/- has been submitted of the total project cost Rs. 22.50 Crore							
8.	Undertaking to reflect that project is neither located near to PLPA area nor fall in the PLPA area	Not submitted							
9.	Co-ordinates of the project site (Latitude & Longitude) :	Latitude : 30°53'39.73"N 30°53'37.34"N 30°53'02.33"N 30°53'35.29"N	Longitude: 76°01'08.86"E 76°01'08.86"E 76°01'10.30"E 76°01'00.09"E						
10	Classification/Land use pattern as per Master Plan	Industry zone							
11	Details proof of land including Khasra no.	Khasra No. 38//8,38//4,5,6,7,33//19/2,20/1,34//16/1,17							
12	Copy of memorandum of Article & Association/partnership deed/undertaking of sole proprietorship/ list of Directors and names of other persons responsible for managing day to day affairs of the project.	Submitted							
13	No. of Working Days/Annum	355 days in a year							
14	No. of working Hrs/Day	12 hrs/day EDS reply submitted dated 07.09.2020							
15	Manpower (Existing & After expansion)	400							
16	Details of block as per CGWA guideline (Kohara Block (Non-notified) area as per CGWA guidelines.							
17	Raw Material requirement	<table border="1" style="width: 100%;"> <thead> <tr> <th style="width: 10%;">S.No.</th> <th style="width: 60%;">Raw material</th> <th style="width: 30%;">Quantity (TPD)</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>		S.No.	Raw material	Quantity (TPD)			
S.No.	Raw material	Quantity (TPD)							

		1.	MS Scrap	394 as per 350 working days
		2.	Ferro Alloys	4
18	Production Capacity	S.No.	Product name	Total Production (TPD)
		1.	Steel Ingots/Billets-	365
		2.	MS Round, Hexa, TMT Bars, Wire Rod, Steel Bars, Channels, Angles & Flats.	357
19	Details of major productive machinery/plant	S.No.	Particulars	Machinery/plant
		1.	Induction Furnace	2X15TPH or 1X25TPH
		2.	Concast	01 No.
		3.	Rolling mill	01 No.
20	Water Requirements & its source:	S. No.	Description	Total water demand (KLD)
		1.	Domestic water demand	18
		2.	Makeup water demand for cooling purpose	30
		Total		48
		Green area water demand		
		Summer (KLD)	Winter (KLD)	Rainy (KLD)
		71	23	6
		Sources of water:		
		S. No.	Purposes	Source of water
		1.	Domestic	Own tubewell
		2.	Make-up water demand for cooling	Own tubewell

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		3.	Green area water demand	Treated waste water		
21	Details of Effluent	Sr. No.	Details	Effluent generation (KLD)	Details of existing & proposed Effluent Control Device	
		i)	Industrial Effluent	Nil	---	
		ii)	Domestic Effluent	14.4	Will be treated in STP of 20 KLD capacity. Treated water will be reused in plantation.	
22	Details of Emissions	Sr. No.	Source	Capacity (TPH)	Chimney Height (m)	Details of existing & proposed Air Pollution Control Device
		i)	Induction Furnace	2X15 TPH or 1X15 TPH	30	Side Suction Hood, Spark Arrestor, Bag House, ID Fan (Offline cleaning pulsejet bag filter)
		ii)	D.G. set	350 kVA	2.5m above roof level	----
23	Details of Hazardous waste and its disposal	Sr. No.	Hazardous Waste	Category	Quantity (TPA)	Disposal arrangement
		1.	Gas Cleaning Residue (APCD dust)- Bag filter	35.1	490	Will be sent To TSDf Site / Madhav Alloys for Final Disposal

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		2.	Gas Cleaning Residue (APCD dust)- Alkali scrubber	35.1	---	---
		3.	Used Oil (kl/annum)	5.1	0.03 kl/annum	Will be reused as lubricant in the industry.
24	Solid waste generation and its disposal(After expansion)	Sr. No.	Solid Waste	Quantity (TPD) (After Expansion)	Disposal arrangement	
		(i)	Slag	21.6	Will be Sent to manufacturers of cement concrete blocks, pavers & tiles under the proper agreement.	
25	Energy Requirements (After expansion)	22000 KW				
26	Status of Proposed ToRs	Submitted.				

2.0 Deliberations during the 193rd meeting of SEAC held on 26.09.2020

The meeting was attended by Sh. Gaurav Jain, Director of the company and Sh. Seetal Singh, EIA Coordinator, M/s CPTL, Mohali. Environmental Consultant of the promoter company was allowed to make the presentation before SEAC. During the meeting, the following observations were made to which the project proponent replied as under:

Sr. No.	Query	Reply
1.	The project proponent asked to install either 2×15 TPH induction furnace or 1×25 TPH induction	The project proponent agreed to install induction furnaces of 2×15 TPH with a production capacity of 1, 27,800 TPA. An undertaking submitted in this regard was taken on record.

2.	The project proponent was asked about the time of heat and calculation for production capacity	PP replied as under: No. of heats- 12 Time of heat- 90-120min No. of working days – 355 Production calculation as:- For 15 TPH $2 \times 15 \times 12 \times 355 = 1,27,800\text{TPA}$
3.	Details of block as per CGWA guideline (Notified/Non-Notified area) in which project site is located	The project site falls in Kohara Block which is a Non-notified area as per CGWA guidelines.

SEAC was satisfied with the presentation and reply given to the observation. SEAC took a copy of the presentation along with a reply on record.

Environmental Consultant informed that they had conducted baseline monitoring in the year 2018 (March, April, May, 2018) for M/s Renny Alloys Pvt Ltd which is closely located from the proposed project site. He requested to kindly accept the study as per the OM dated 29.08.2017 issued by the MoEF&CC, New Delhi as baseline data is not older than 3 years. SEAC accepted the request of the environmental consultant to consider the study carried out as a baseline study. However, it was decided that 01 months additional study shall be carried out with effect from the date of submission of application.

3.0 Recommendations

After detailed deliberations, it was decided to categorize the project under Activity 3(a); B-1 with public consultation as required for the project. The baseline study shall be carried out by Environmental Consultant for one-month additional study with effect from date of application of ToRs (except monsoon season), which shall include at least five days of traffic study. The Committee approved the following Terms of Reference for installing induction furnaces 2 x 15 TPH at Village Mehlon Lakhawal- Kohara Road, Distt- Ludhiana, Punjab for preparing Environmental Impact Assessment (EIA) report for the proposed project and recommended to SEIAA to issue the following TORs:

A. STANDARD TERMS OF REFERENCE

1) Executive Summary

Report in about 8-10 pages incorporating the following:

- (i) Project name and location (Village, Distt., State, Industrial Estate (if applicable))
- (ii) Products and capacities. If expansion proposal, then existing products with capacities and reference to earlier EC.
- (iii) Requirement of land, raw material, water, power, fuel, with source of supply (Quantitative)
- (iv) Process description in brief, specifically indicating the gaseous emission, liquid effluent and solid and hazardous wastes.
- (v) Measures for mitigating the impact on the environment and mode of discharge or disposal.

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

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) List of raw materials required and their source along with mode of transportation.
- (v) Other chemicals and materials required with quantities and storage capacities.
- (vi) Details of Emission, effluents, hazardous waste generation and their management.
- (vii) Requirement of water (breakup for induction and rolling mill), power, with source of supply, status of approval, water balance diagram, man-power requirement (regular and contract).

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

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. Copy of Master Plan indicating a land use pattern of the site is in conformity of proposals of Master Plan shall be attached with EIA report.
- (ii) A top sheet of the study area of radius of 10 km and site location on 1:50,000/1:25,000 scale on an A3/A2 sheet. (Including all eco-sensitive areas and environmentally sensitive places)
- (iii) Details w.r.t. option analysis for selection of site.
- (iv) Co-ordinates (lat-long) of all four corners of the site.
- (v) Google map-Earth downloaded of the project site
- (vi) Layout maps indicating existing unit as well as proposed unit indicating storage area of raw material, finished products, greenbelt area with marking of tree, Location of STP/ETP, Solid waste storage area, Parking space, Firefighting equipment layout, First aid room, Location of Tube wells, DG Sets & Transformers and any other utilities
- (vii) If located within an Industrial area/Estate/Complex, layout of Industrial Area indicating location of unit within the Industrial area/Estate.
- (viii) Photographs of the proposed and existing (if applicable) plant site. If existing, show photographs of plantation/greenbelt, in particular.
- (ix) Land use break-up of total land of the project site (identified and acquired), government/private - agricultural, forest, wasteland, water bodies, settlements, etc. shall be included. (not required for industrial area)
- (x) A list of major industries with name and type within study area (10 km radius) shall be incorporated. Land use details of the study area.
- (xi) Geological features and Geo-hydrological status of the study area shall be included.

- (xii) Details of Drainage of the project up to 5km radius of study area. If the site is within 1 km radius of any major river, peak and lean season river discharge as well as flood occurrence frequency based on peak rainfall data of the past 30 years. Details of Flood Level of the project site and maximum Flood Level of the river shall also be provided. (mega green field projects)
 - (xiii) Status of acquisition of land. If acquisition is not complete, stage of the acquisition process and expected time of complete possession of the land.
 - (xiv) R&R details in respect of land in line with state Government policy
- 5) Forest and wildlife related issues (if applicable):
- (i) Permission and approval for the use of forest land (forestry clearance), if any, and recommendations of the State Forest Department. (if applicable).
 - (ii) Land use map based on High resolution satellite imagery (OPS) of the proposed site delineating the forestland (in case of projects involving forest land more than 40 ha).
 - (iii) Status of Application submitted for obtaining the stage I forestry clearance along with latest status shall be submitted.
 - (iv) The projects to be located within 10 km of the National Parks, Sanctuaries, Biosphere Reserves, Migratory Corridors of Wild Animals, the project proponent shall submit the map duly authenticated by Chief Wildlife Warden showing these features vis-a-vis the project location and the recommendations or comments of the Chief Wildlife Warden-thereon.
 - (v) Wildlife Conservation Plan duly authenticated by the Chief Wildlife Warden of the State Government for conservation of Schedule I fauna, if any exists in the study area.
 - (vi) Copy of application submitted for clearance under the Wildlife (Protection) Act, 1972, to the Standing Committee of the National Board for Wildlife.
- 6) Environmental Status
- (i) Determination of atmospheric inversion level at the project site and site specific micro-meteorological data using temperature, relative humidity, hourly wind speed and direction and rainfall.
 - (ii) AAQ data (except monsoon) at 8 locations for PM 10, PM2.5, SO₂, NO_x, CO and other parameters relevant to the project shall be collected. The monitoring stations shall be based CPCB guidelines and take into account the pre dominant wind direction, population zone and sensitive receptors including reserved forests.
 - (iii) Raw data of all AAQ measurement for 12 weeks of all stations as per frequency given in the NAQPM Notification of Nov. 2009 along with - min., max., average and 98% values for each of the AAQ parameters from data of all AAQ stations should be provided as an annexure to the EIA Report.
 - (iv) Surface water quality of nearby River (100m upstream and downstream) and other surface drains at eight locations as per CPCB/MoEF& CC guidelines.

- (v) Whether the site falls near to polluted stretch of river identified by the CPCB/MoEF& CC.
- (vi) Groundwater monitoring at minimum at 8 locations shall be included.
- (vii) Noise levels monitoring at 8 locations within the study area.
- (viii) Soil Characteristic as per CPCB guidelines.
- (ix) Traffic feasibility / serviceability study for at least 5 days based on Indian Standard Codes. Further it shall also include the details of cross section of the road on which industry is located, vehicles movement w.r.t. the industry, traffic load of other vehicles on the road incorporating the haulage time for the vehicles for loading/unloading within the premises and parking requirement to avoid the traffic congestions on the link and adjoining roads. Traffic study shall be conducted considering the traffic of the industries located in the vicinity.
- (x) Detailed description of flora and fauna (terrestrial and aquatic) existing in the study area shall be given with special reference to rare, endemic and endangered species. If Schedule-I fauna are found within the study area, a Wildlife Conservation Plan shall be prepared and furnished.
- (xi) Socio-economic status of the study area.

7) Impact Assessment and Environment Management Plan

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

shall also be included. EMP shall include the concept of waste-minimization, recycle/reuse/recover techniques, Energy conservation, and natural resource conservation.

- (viii) Proper utilization of fly ash shall be ensured as per Fly Ash Notification, 2009. A detailed plan of action shall be provided.
 - (ix) Action plan for the green belt development in 33 % area with not less than 1,500 trees per hectares giving details of species, width of plantation, planting schedule, post plantation maintenance plan for 3 years shall be included. The green belt shall be around the boundary and a scheme for greening of the roads used for the project shall also be incorporated
 - (x) Action plan for rainwater harvesting measures at alternative sites shall be submitted to harvest rainwater from the roof tops and storm water drains to recharge the groundwater and also to use for the various activities to conserve freshwater and reduce the water requirement from other sources.
 - (xi) Total capital cost and recurring cost/annum for environmental pollution control measures shall be included.
 - (xii) Action plan for post-project environmental monitoring shall be submitted.
 - (xiii) Onsite and Offsite Disaster (natural and Man-made) Preparedness and Emergency Management Plan including Risk Assessment and damage control. Disaster management plan should be linked with the District Disaster Management Plan.
- 8) Occupational health
- (i) Details of existing Occupational & Safety Hazards. What are the exposure levels of above-mentioned hazards and whether they are within the Permissible Exposure Level (PEL)? If these are not within PEL, what measures the company has adopted to keep them within PEL so that the health of the workers can be preserved,
 - (ii) Details of exposure specific health status evaluation of worker. If the workers' health is being evaluated by pre-designed format, chest x rays, Audiometry, Spirometry, Vision testing (Far & Near vision, colour vision and any other ocular defect) ECG, during pre-placement and periodical examinations give the details of the same. Details regarding last month analyzed data of above-mentioned parameters as per age, sex, duration of exposure and department wise.
 - (iii) Annual report of the health status of workers with special reference to Occupational Health and Safety.
 - (iv) Plan and fund allocation to ensure the occupational health & safety of all contract and casual workers.
- 9) Corporate Environment Policy
- (i) Does the company have a well laid down Environment Policy approved by its Board of Directors? If so, it may be detailed in the EIA report.
 - (ii) Does the Environment Policy prescribe for standard operating processes/procedures to bring into focus any infringement/deviation/violation

of the environmental or forest norms/conditions? If so, it may be detailed in the EIA.

- (iii) What is the hierarchical system or Administrative order of the company to deal with the environmental issues and for ensuring compliance with the environmental clearance conditions? Details of this system may be given.
 - (iv) Does the company have a system of reporting of non-compliances / violations of environmental norms to the Board of Directors of the company and / or shareholders or stakeholders at large? This reporting mechanism shall be detailed in the EIA report
- 10) Details regarding infrastructure facilities such as sanitation, fuel, restroom, etc. to be provided to the labour force during construction as well as to the casual workers including truck drivers during the operation phase.
- 11) Enterprise Social Commitment (ESC)
- (i) To address the Public Hearing issues, 2.5% of the total project cost of (Rs.____crores), amounting to Rs.____crores, shall be earmarked by the project proponent, towards Enterprise Social Commitment (ESC). Distinct ESC projects shall be carved out based on the local public hearing issues. Project estimate shall be prepared based on PWD schedule of rates for each distinct Item and schedule for time-bound action plan shall be prepared. These ESC projects as indicated by the project proponent shall be implemented along with the main project. Implementation of such program shall be ensured by constituting a Committee comprising of the project proponent, representatives of village Panchayat & District Administration. Action taken report in this regard shall be submitted to the Ministry's Regional Office. No free distribution/donations and or free camps shall be included in the above ESC budget
- 12) 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.
- 13) A tabular chart with index for points wise compliance of above TORs.

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

- (i) Details of proposed layout clearly demarcating existing & proposed features of the project within the plant.
- (ii) Total no. of furnaces & details including capacity of each furnace.
- (iii) Detail of the mechanical shredder to reduce the size of the raw material.
- (iv) Complete process flow diagram describing each unit, its processes, and operations, along with material and energy inputs and outputs (material and energy balance).
- (v) Details on the design and manufacturing process for all the units.

- (vi) Details on environmentally sound technologies for recycling of hazardous materials, as per CPCB Guidelines, may be mentioned in case of handling scrap and other recycled materials.
- (vii) Details on the requirement of raw materials, its source, and storage at the plant.
- (viii) Details on the requirement of energy and water along with its source and authorization from the concerned department. Location of water intake and outfall points (with coordinates).
- (ix) Details on toxic metal content in the waste material and its composition and end-use (particularly of slag).
- (x) Details on toxic content (TCLP), composition and end-use of chrome slag. Details on the recovery of the Ferro chrome from the slag and its proper disposal.

C. ADDITIONAL SPECIFIC TORS DECIDED DURING MEETING OF SEAC

1. Public consultation is required for the projects as not located in notified industrial parks/estates.
2. Submit proof of ownership of land (existing owner) such as copy of latest Jamabandi (not more than one month old) and credible document showing status of land acquisition w.r.t. project site as prescribed in OM dated 07.10.2014 issued by MoEF)
3. Submit dully filled prescribed field data sheets and analysis reports along with exact location of sampling / monitoring point marked on the layout map. Also submit the status of approvals of Laboratories.
4. Submit cost of the project duly certified by Chartered Engineer/ Approved valuer / Chartered Accountant. In the absence of above, the project proponent may submit self-certified detail of cost of the project mentioning the cost of Land, building, infrastructure and plant & machinery
5. Certificate from the concerned authority w.r.t the location of protected areas as notified under the Wildlife Protection Act, 1972 within 5 km radius from the boundary of the project site.
 - (i) Certificate from the Department of Town & Country Planning or concerned authorities to support the claim made by project proponent that the project site (2.85 acres land) is located in the industrial zone as per the provisions of Master Plan of Town/City in the jurisdiction of which the project site is located otherwise project proponent shall submit the Change of land use of the project site for total land area 2.85 acres.
6. Compliance of the siting criteria, standard operating practices, code of practice, and guidelines if any prescribed by the SPCB/CPCB/MoEF&CC for such type of units.
7. Necessary permissions from the Central Groundwater Authority (CGWA)/ State Groundwater Authority (SGWA)/concerned authority for the abstraction of groundwater for the existing requirements as well as for the expanded unit. In case of not allowing such permission by the concerned authority for the

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

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

16. Whole of the vehicle movement area as well as the approach road to the gate /weighing bridge shall be paved with pucca/metalled / cement concrete road to control the dust emissions expected from the vehicle movement.
17. The vehicles to be used for loading/unloading purposes shall not be parked along the roadside so as to avoid the traffic congestion and dedicated parking place to be provided for the same.
18. Adopt green technologies to conserve the water and energy including shearing/cutting / bundling machines. Also, to provide abrasive resistant fire bricks in the crucibles to reduce the periodic maintenance & disposal of discarded fire bricks.
19. Use of natural gas (if available) as substitute fuel wherever possible in the existing industry/ for the expansion project.
20. Delineate the concrete proposal regarding activities to be undertaken under Corporate Environmental Responsibility indicating the followings: -
 - i) various activities to be undertaken as per the provision of OM dated 01.05.2018
 - ii) proportionate provisions of funds,
 - iii) the period in which CER activities is to be implemented
 - iv) the person(s) responsible for the implementation.
21. Submit compliance w.r.t. condition no.II [(i) & (iii)] subtitled as "Air Quality Monitoring & Preservation" regarding continuous emission monitoring system and continuous ambient air quality monitoring as prescribed in the Standard EC Conditions for Induction/ Electric Arc Furnace & Rolling Mills issued by the MoEF&CC, New Delhi vide OM dated 09/08/2018.
22. Examine and submit the proposal for: -
 - a) Recovery of iron from slag before disposing of it.
 - b) Identify the areas for utilization of slag in a scientific manner and explore its usage in cement/construction industry/manufacturing of pavers & tiles/road laying etc.
 - c) Recovery of precious metals like Zinc, lead and iron etc. from the APCD dust (Hazardous waste) through authorized re-processor.
23. Air Pollution Control Arrangement details shall be provided as below:

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

24. Submit compliance regarding the installation of Pulse jet bag filter with offline cleaning technology as APCD with the proposed induction furnace.
25. List the species with heavy foliage, broad leaves and wide canopy cover. The landscape planning should include plantation of native species. Water intensive and/or invasive species should not be used for landscaping

The following general points shall be noted:

- (i) The EIA document shall be printed on both sides, as far as possible.
- (ii) All documents shall be properly indexed, page numbered.
- (iii) Period/date of data collection shall be clearly indicated.
- (iv) The letter/application for environmental clearance shall quote the MOEF / SEIAA file No. and also attach a copy of the letter.
- (v) The copy of the letter received from the Ministry / SEIAA shall be also attached as an annexure to the final EIA-EMP Report.
- (vi) The index of the final EIA-EMP report must indicate the specific chapter and page no. of the EIA-EMP Report.
- (vii) While preparing the EIA report, the instructions for the proponents and instructions for the consultants issued by MOEF vide notification dated 03.03.2016 which is available on the website of this Ministry shall also be followed.
- (viii) The consultants involved in the preparation of EIA-EMP report after accreditation with Quality Council of India (QCI) /National Accreditation Board of Education and Training (NABET) would need to include a certificate in this regard in the EIA-EMP reports prepared by them and data provided by other organization/Laboratories including their status of approvals etc. Name of the Consultant and the Accreditation details shall be posted on the EIA-EMP Report as well as on the cover of the Hard Copy of the Presentation material for EC presentation.

The Terms of Reference (ToR) prescribed by the State Expert Appraisal Committee (SEAC), Punjab should be considered for the preparation of EIA / EMP report for the project in addition to all the relevant information as per the Generic Structure of EIA given in Appendix III and IIIA in the EIA Notification, 2006.

Where the documents provided are in a language other than English, an English translation shall be provided. The draft EIA-EMP report shall be submitted to the State Pollution Control Board of the concerned State for the conduct of Public Hearing. The SPCB shall conduct the Public Hearing/public consultation, district-wise, as per the provisions of EIA notification, 2006. The Public Hearing shall be chaired by an Officer, not below the rank of Additional District Magistrate. The issues raised in the Public Hearing

and during the consultation process and the commitments made by the project proponent on the same shall be included separately in EIA-EMP Report in a separate chapter and summarized in a tabular chart with financial budget (capital and revenue) along with time-schedule of implementation for complying with the commitments made.

If any part of the data/information submitted by the project proponent is found to be false or misleading at any stage, then SEIAA & SEAC will not be responsible for the expenditure incurred on the project due to the issuance of this ToR or subsequent work carried out by the project proponent for conducting EIA study or for any other activity related to the project.

The 'Terms of Reference' (TORs) prescribed will be valid for a period of three years from its issuance. The final EIA report shall be submitted to the SEIAA, Punjab for obtaining environmental clearance.

Item No. 193.04 Application for obtaining Environmental Clearance for expansion of an existing Sugar Mill Plant of capacity 5000 TCD along with co-generation power plant of capacity 59.5 MW at village ChakAllabaksh and Muahiuldinar, Tehsil Mukerian, District Hoshiarpur, Punjab by M/s Indian Sucrose Limited, GT Road, Tehsil Mukerian, Distt. Hoshiarpur (Online Proposal No. SIA/PB/IND2/22643 /2018).

SEAC observed that:

1.0 Background

The project proponent has applied for obtaining Environmental Clearance under EIA notification dated 14.09.2006 for expansion of an existing Sugar Mill Plant of capacity 5000 TCD along with a co-generation power plant of capacity 59.5 MW at village ChakAllabaksh and Muahiuldinar, Tehsil Mukerian, District Hoshiarpur, Punjab.

Terms of Reference have been granted to the project proponent vide letter No. SEIAA/2018/858 dated 16.07.2018. The public hearing was conducted by PPCB on 23.10.2018 and the details of the same are given as under:

Sr. No	Name & address of the person	Detail of query/statement /information/ clarification sought by the person present	Reply of the query/statement /information /clarification given by the project proponent.	Action Plan
1.	Sh. Dalbir Singh, r/o Bishanpur, Tehsil Mukerian,	He stated that there is water & air pollution from the project, which adversely affects	Representative of the sugar mill informed that Public hearing is being conducted	Waste water from the existing sugar mill is being treated in the ETP of capacity 3000 KLD.

	<p>District Hoshiarpur</p>	<p>their village. More than 100 persons of their village have given complaint in writing regarding pollution of project to the Punjab Pollution Control Board at Hoshiarpur. S.D.O from Pollution Control Board at Hoshiarpur has come to the project, to check the water and air pollution and he verbally stated that the water is polluted. No solution has been made of the said complaint and no written reply to the same has been received. More than 15 persons of their village who were suffering from the stomach and breathing diseases have died due to the water & air pollution caused by the sugar mill. If the pollution caused by the existing unit of the Sugar mill. If the pollution from the project has not been controlled then there are more chances of spreading other diseases. He also stated that first of all pollution from the existing unit</p>	<p>by the Pollution Control Board to know the problems of the public from the existing unit. He further informed that the pollution control devices of the latest technology having efficiency, three times better from the existing as well as from the expansion project will be installed simultaneously with the expansion project.</p>	<p>The ETP is going to be modernized before the crushing season. The online monitoring system has been installed and the regular data is supplied to PPCB & CPCB. Further with the expansion project the details & expended ETP will be installed with ZLD scheme and no waste water will be discharged outside the boundary of the Mill. The ETP of latest technology with ZLD which cost 70 lac will be installed with the entire satisfaction of PPCB and same will be continuing for the expansion process also. The maintains of wet scrubber is there during the off-season, & eff will be increased. The online Stack monitoring analyzer will be installed & computerized data will supplied to the PPCB & CPCB for entire satisfaction of the officers. To control the Air Pollution for the existing unit, 3 no of Wet scrubber has already been</p>
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		should be controlled and then the expansion of the project be allowed.		<p>installed and for the expansion unit ESP will be installed with the 200 TPH boilers.</p> <p>Budget : Waste Water Treatment: Capital Cost: 70lakhs Recurring Cost: 8 lakhs</p> <p>Air pollution control devices: Capital Cost: 1.90 Crores Recurring Cost: 20 lakhs</p>
2.	Sh. Ajay Kaushal, Ex. Chairman, ZilaParishad , VillageDugri Rajputan, District Hoshiarpur	He welcomes the Add. Deputy Commissioner, Hoshiarpur and other officers. He stated that the project proponent in its reply stated that better Pollution Control Board Devices will be installed along with expansion. He wanted to know from the Punjab Pollution Control Board whether the issue of installing the good device is not being addressed while granting NOC to the industry before expansion and the NOC has been issued to the small scale projects without the proposal for	Representative of the Sugar Mill informed that public hearing has been conducted to resolve the issues/problem raised by the public. Earlier, the project has increased the capacity of the mill by its own for which the Punjab Pollution Control Board has initiated criminal action against the owner/responsible persons. He reiterated that the public hearing has been conducted to set right all the issues of the public related to the project.	<p>The details of Pollution Control device explained in S.no 1. Online monitoring station has already been installed at the ETP and the results for the same continuously displayed on the PPCB websites. Online Stack Monitoring Station will be installed for the expansion project.</p> <p>Budget : Stack Monitoring: 2 lakhs Online ETP Monitoring: 1 lakhs</p>

		<p>installing the pollution control devices. He further stated that they are making complaints regarding the pollution from the project since February, 2017. He also stated that if They extract water 120 ft deep from the ground, then color of the water is such like juice of sugarcane. When the water samples from the project are taken by the Pollution Control Board then the same are passed. The samples should also be to gotanalyzed from outside laboratory other than Punjab Pollution Control Board. The people are dying due to water pollution. He has no objection for expansion of the unit but the pollution from the existing unit should be controlled. The funds allocated that has not been utilized properly for the same. He further stated that when air blows from East to West then there is more air pollution from the project proponent should take more attention</p>		
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		on the issues raised by the public regarding control of pollution.		
3.	Sh. Jagdev Singh, Srapanch, Village BhattianRaj putan, District Hoshiarpur	He stated that he requested the officers of Punjab Pollution Control Board to resolve the issue regarding pollution from the project as raised by the earlier spokesmen. He further stated that the aerial distance of his village from the project is about 2 kms and he never feel pollution from the project, but the pollution may reach there. He also informed that the expansion to be made by the project proponent should also be favored as need of expansion of sugar mill is being felt in the area. Sugacane is the main crop of the area and their family are getting livelihood and also getting more benefits. Last year the mill has milled the sugarcane upto 17-18 May, as such the capacity of the sugar mill should be increased. The pollution should be controlled on ground and not in papers The sugar mill should <i>be</i>	Environmental consultant of Sugar Mill informed that the pollution control devices of the latest technology will be installed to control the pollution along withonline monitoring system, which will be monitoredby the Central Pollution Control Board & Punjab Pollution Control Board. He further informed that the preference will be given to the local people in the employment	Online monitoring station has already been installed at the ETP and the results for the same continuously displayed on the PPCB websites. Online Stack Monitoring Station will be installed for the expansion project. Budget : Stack Monitoring: 2 lakhs Online ETP Monitoring: 1 lakhs The direct employment to ~ 325 person has been provided with the existing project and ~ 25 person will be getting employment with the expansion project. Indirect employment will be generating with the proposed expansion project.

		operated upto April. The safety of the area is also important. With this project, there are other businesses set up in the area by the local people. He demanded that the Employment should be given to the people of Mukerian area as the problems are faced by this area and benefits should also be made to this area.		
4.	Sh. Gurnam Singh, r/o Village Pandori, Distt. Hoshiarpur	He stated that regarding the pollution problem, Punjab Pollution Control Board is taking strict action. The industry should make proper arrangements to control the pollution. He further stated that earlier in the area, there was rice (Basmati) was main crop and now the sugarcane is main crop in the area. He told the people who wants to expand the unit raise their hands, in response of the same most of the people present raised hands in favor of the project.	No reply was given	Proponent has proposed the modified technology for the ETP & APCD, to control the pollution.
5.	Sh. Harinder Singh Kurewal, r/o Village Bhagana,	He stated that the capacity of the sugar mill should be increased as rice and wheat crops	Environment consultant of the industry informed that more than Rs 8 crores will be	He supported the project and preference will be given to the village of ChakAllabaksh

	Distt. Hoshiarpur	are taking more water than sugarcane. The preference should be given nearby village in development.	spent under Corporate Social Responsibility activities, which will be utilized with the consultation of the nearest villagers. He further informed that as per new rule, if the industry wants to employ more than 25 workers, then the same should be employed through Deputy Commissioner Office. As such, the people of the area should apply to the DC, Hoshiarpur for taking job in the sugar mill and they will get the list from them.	and Mahiuldinpur Dalel on the basis of qualification and Experience.
6.	Sh. Sachin Dhayia, Press Reporter, Dainik Bhaskar	<p>1. He wanted to know whether the distillery project is being established or the capacity of the sugar mill is increased.</p> <p>2. First of all, the pollution from the existing unit should be controlled and thereafter, the capacity of the same will allowed to be increased. People are dying and no action is being taken on the complaint</p>	<p>Representative of the Sugar Mill informed that the 'public hearing is being conducted for Enhancement of the capacity of the sugar mill and there is no proposal to set up a distillery unit. As already stated the pollution control devices of the latest technology will be installed to control the pollution from the existing as well as from expansion project.</p>	<p>1. There is no proposal for the distillery unit.</p> <p>2. Defined in S.No 1</p> <p>3. Public notice was published in three leading newspapers namely Hindustan Times, Jagbani</p>

		<p>filed by the nearby people.</p> <p>3. In the public hearing, the industry has gathered the public from its own persons. No wide publicity and announcement has been made in the nearby villages and name of the newspapers in which public notice has been published, be informed.</p> <p>4. If the water from 120ft deep is taken, the same is not potable.</p>	<p>Environmental Engineer (Mega), Punjab Pollution Control Board, Patiala shown the photocopy of the public notice and informed that the public notice was published in three leading newspapers namely Hindustan Times, Jagbani&Dainik Bhaskar in its edition dated 21.09.2018.</p>	<p>& Dainik Bhaskar in its edition dated 21.09.2018.</p>
<p>7.</p>	<p>Master Kewal Singh, Nambardar, Village Bishanpur, Distt. Hoshiarpur</p>	<p>He stated that he has received the information regarding the public hearing directly or indirectly, therefore, he has come to attend the public hearing. He further stated that whatever commitment has been made that has not been implemented. The paper mill was established on this place in the year 1967 where the people of the nearby area were worked in the same, but thereafter they</p>	<p>Representative of the Sugar Mill reiterated that the public hearing is being conducted for listening the grievances of the public, so that the industry is able to sort out the issues/problems raised by the public. To control the water & air pollution, a huge amount will be spent. Monitoring system will also be installed on them which will be monitored by the CPCB & PPCB through web</p>	<p>Paper Mill was closed and preference will be given to the village of Chak Alla baksh and Mahiuldinpur Dalel on the basic of qualification and Experience.</p>

		<p>were retrenched. Preference should be given to the local area in employment. Pollution problem should be sort out Earlier, the mill has taken the land from the farmers but the same was not returned to the real owners and the land was sold out @ Rs.4,00,000/- per acre. The expansion of the sugar mill should be carried out.</p>	<p>technology on day to day basis.</p>	
8.	<p>Sh. Surjit Singh, Sarpanch, Village BhattianJattan, District Hoshiarpur</p>	<p>He stated that the questions raised by the earlier speaker including sarpanch Village Bishanpur are very valuable; he further stated that no reply has been received by the villagers of Bishanpur regarding the complaint made by them. He thanks the project proponent for establishing the sugar mill in the area and given congratulation for the expansion of the same. The industry should give employment in the mill and an assurance should be given in this regard. The people of the area have given land to the</p>	<p>Representative of the Sugar Mill informed that the company has four Sugar Mills, with the expansion of the unit, more opportunities of employment will be generated, but as of now, he has no data regarding how many persons are directly get the benefit of employment. The youth who had passed MBA and ITI will get the opportunity of job in the mill.</p>	<p>The PPCB should take the action as per the law.</p> <p>Employment details are explained in S.No 3.</p>

		sugar mill at the lower rates. Expansion of the sugar should be carried out and the pollution should also be controlled.		
9.	Sh. Vijay Kumar Jain, Nambardar, Village Mahiuldinpur Dalel, Distt. Hoshiarpur	He welcomes the Add, Deputy Commissioner and stated that the problems raised by the public are genuine and are in actual. He stated that he will request the ADC, Hoshiarpur to get the problems solved. The area has got the benefit from the sugar mill. Earlier, there was a problem of purchasing of rice, which was main crop of the area. Now, the farmers are getting more benefits by sowing sugarcane crop. He thanked the project proponent for expansion of the project. The industry should make development in the villages which have given their land to the sugar mill. The sugar mill should be operated till the entire season	No reply was given	He welcome the project as 80-85 % people that attend the public hearing are in favor of the expansion project & problem raised by the people will be solved by the committee under the guidance's of ADC

2.0 Present Case

The application for obtaining EC was submitted on 26.03.2018 before the date of notification dated 27.06.2019 and thus the fee for obtaining EC is not applicable on the project. Earlier the EIA report was submitted by the project proponent to SEIAA in January 2019, on the basis of which EDS were raised on 14.02.2019 & 18.12.2019. The project proponent submitted reply of the query raised on 14.02.2019, details of which are given as under:

S.No	EDS	Reply
1	Details of specific activities to be carried out by the industry under CER along with their cost & timelines i.e. amount to be spent & completion schedule as per OM dated 01.05.2018 be incorporated in EIA report instead of generalizing statement that Rs.8 crore be spent	As per the OM dated 01.05.2018, the CER budget is 1.67 Crore. The details CER activity list has been submitted.
2	Rs. 1.7 crore has been derived as benefits from violation whereas Rs.45 lacs has been proposed under Remediation Plan. Clarify. Secondly The details of activities and amount to be spent under Natural & Community Resource Augmentation Plan shall be incorporated in EIA report as per Additional Specific TOR.	A Total 45 lacs has been proposed by the proponent as the Remediation budget which will be used as: 1. Remediation plan budget (Rs. 20/- lakhs) 2. Natural Resource Augmentation plan budget (Rs. 10/- lakhs) 3. Community Resource Augmentation budget (15/- lakhs). The details of proposed activities are submitted.
3	The activities and amount proposed under EMP and Remediation Plan shall be separately listed and avoid overlapping of the same. Further, the details including the name of the villages and consent where amount has been proposed for carrying out the activity shall be incorporated in EIA report.	Rs 3.79 crore has been proposed under the Environment Management Plan. Rs 45 lac has been proposed under the Remediation Plan. The activities under the EMP & Remediation plan has been explained separately.
4	Some of the lab reports attached in the additional documents are not legible at all. Thus, difficult to check the details. Please attach legible reports after proper scanning.	Compiled
5	The images including incorporated in the EIA report	Compiled

	are also not legible. Ex. Layout Map, Spatial distribution of predicted GLCs of SO ₂ , etc. Please incorporate the same after proper scanning.	
6	In case of green belt, proper details of species, width of plantation, planting schedule post plantation and maintenance plan for 3 years shall be provided. The green belt shall be around the boundary and a scheme for greening of the roads used for the project shall also be incorporated.	Submitted
7	The details of compliance of the TOR points where complied has been mentioned be incorporated in EIA report.	Complied

The project proponent was again raised EDS on 05.09.2019 and details of which are given as under:

Sr. No.	EDS Observation	Reply
1	<p>The reply to EDS no. 2 and 3 is incomplete. (Please mention the page no. of EIA report)</p> <p>EDS 2: Rs. 1.7 crore has been derived as benefits from violation whereas Rs.45 lacs has been proposed under Remediation Plan. Clarify.</p> <p>Secondly, The details of activities and amount to be spent under Natural & Community Resource Augmentation Plan shall be incorporated in EIA report as per Additional Specific TOR.</p>	<p>EDS 2: Rs. 45,00,000 has been proposed under remediation plan which will be used as:</p> <ul style="list-style-type: none"> i) Remediation plan budget (Rs. 20/- lakhs) ii) Natural Resource Augmentation plan budget (Rs. 10/- lakhs) iii) Community Resource Augmentation budget (15/- lakhs). <p>The above details are mentioned at page number 210 of the EIA report.</p> <p>However, They are also proposing budgets for various other activities such as:</p> <ul style="list-style-type: none"> i) Environmental Management Plan of Rs. 3.79 as capital cost and Rs. 38 Lakhs as recurring cost.

	EDS 3: The activities and amount proposed under EMP and Remediation Plan shall be separately listed and avoid overlapping of the same. Further, the details including the name of the villages and consent where amount has been proposed for carrying out the activity shall be incorporated in EIA report.	<p>ii) Corporate Environmental Responsibility budget of Rs. 8 Cr.</p> <p>iii) Occupational Health Safety Budget of Rs. 15 Lakhs.</p> <p>Augmentation Plan has been submitted.</p> <p>The activities and amount proposed under EMP and Remediation Plan are separately listed. Further, the details including the name of the villages and consent where amount has been proposed for carrying out the activity have been incorporated in EIA report</p>
2	The project proponent has cited table no. 13.4 and 13.5 in its reply, however in the EIA report annexed with application, no such table is found annexed.	<p>Table numbers 13.4 and 13.5 have been inadvertently mentioned in the reply. Activity wise breakup of various plans are given as:</p> <ol style="list-style-type: none"> 1. Community resource augmentation 2. Remediation plan
3	The indexing of EIA report, total pages are mentioned as 211. Besides the contents of the index suggests that some documents like CGWA Application, Test Analysis Report, Land Document, Land Conversion, DFO NOC etc. are also the part of the EIA report. However, these documents are not found attached. (Please mention the page no of EIA report)	<p>EIA contains 211 pages only. Previously they have uploaded EIA and Annexures separately (as additional documents).</p> <p>They are now submitting single file with EIA and Annexures.</p>

3.0 Deliberations during the 186th meeting of SEAC held on 26.12.2019

The case was again considered by the SEAC in its 186th meeting held on 26.12.2019 and the meeting was attended by the Sh. V.P Gupta, Vice President, authorized representative of the project proponent and Environmental Consultant. Environmental Consultant of the promoter company presented the salient features of the project. The details with regards to rain water harvesting, water demand calculations, dust & slag disposal, maintenance plan of green area, online monitoring system of APCD & Toposheet showing the distance of project location from CEPI Cluster were deliberated. After detailed deliberations, SEAC decided to defer the case and the project proponent was asked to submit the reply of the queries.

4.0 Deliberations during the 187th meeting of SEAC held on 26.02.2020

The case was again considered by the SEAC in its 187th meeting held on 26.02.2020 and Environmental Consultant of the Project proponent submitted the reply of the queries of the committee raised in 186th SEAC meeting as under:-

Sr. No.	Observations	Replies
1.	Revised Water Balance Diagram	<p>Total fresh Water requirement is 597 KLD out of which 47 KLD for domestic and 550 KLD will be used for industrial purpose.</p> <p>Total discharge available at the outlet of ETP is 2515 KLD (after addition of surplus water of 2400 KLD from sugar cane) out of which 1270 KLD to be used for green belt, 800 KLD for wet scrubber as make up water, 41 KLD for Bagasse sprinkling, 354 KLD for horticulture and 50 KLD for floor washing purposes.</p>
2.	Affidavit Handling of Sludge by Centrifuge.	<p>Affidavit for Handling of Sludge by Centrifuge in 10 sludge beds having size 8X4 within the plant premises has been submitted.</p> <p>Now, they will use the centrifuge technique to handle sludge.</p>
3.	Inlet and outlet Characteristics of existing APCD.	<p>There are 3 boilers (40+40+80 TPH) having 2 stacks. Results of emissions at inlet is found as under:-</p> <p>At Inlet PM10: 2492.68 mg / Nm³ & 2462.52 mg / Nm³, SO₂ :54.12 mg / Nm³ & 62.11 mg / Nm³ NO_x (65.32 mg / Nm³& 74.28 mg / Nm³), which is reduced by using wet scrubber as APCD and emission results is as under:-</p> <p>At outlet PM10 :102.45 mg / Nm³ & 112.85 mg / Nm³, SO₂: 32.58 mg / Nm³ & 38.47 mg / Nm³ NO_x :40.12 mg / Nm³ & 47.12 mg / Nm³</p>
4.	Examine the installation of ESP as APCD.	<p>Technology for the proposed ESP is dry type Electrostatic precipitators (ESP) to collect dust in the flue gas produced by boiler.</p>
5.	Ground water sampling from State Laboratory i.e PBTI Lab, Mohali	<p>A copy of the test report of PBTI Lab has been submitted, but the sampling is not done by PBTI. The following are the details:</p> <p>Total 3 samples (Chak Alla Baksh, Bishanpur & Khanpur) were taken from nearby villages.</p>

		Results of all parameters of ground water sampling for 2 locations are within permissible limits. There is only 1 parameter of 1 sample (Chak Alla Baksh, 0.7 Km) i.e., hardness is observed as 240 mg/l which is higher than desirable limits (200mg/l) but lower than permissible limits (600 mg/l).
6.	Damage assessment studies in compliance to the TOR no. 14	A revised study of Damage assessment done in the nearby area at the project site has been submitted. No Environmental damage was observed. A total 41/- Lakhs will be spent as a remediation plan.
7.	Detail of CER activities as per OM Dated 01.05.2018 for Rs 8.0 Crore as committed during public hearing.	Total CER cost of Rs. 8.4 Crore submitted. The project proponent will provide R.O., Rainwater harvesting, Computers, Dispensary to the nearby villages. Total budget 1.6 Crores/ yr for 5 years will be spent as CER activity in nearby 5 villages.
8.	Rain water recharging proposal.	Rainwater recharging proposal submitted indicating the rainwater recharging pit can accommodate 116.5 m ³ /hr of the rainwater. Therefore, 26 rainwater harvesting structure require to accommodate the total quantum of runoff (47367.56 m ³ /annum)
9.	Detail of the plantation area & Maintenance plan for Green Area.	Submitted, the total land area of the project site is 21.46 ha out of which 7.79 ha (33.39%) is greenbelt.

The reply submitted by the project proponent was taken of record by the SEAC. SEAC was not satisfied from the reply of the project proponent given at observation no. 1, 5, 6, 7 & 8. After detailed deliberations, SEAC decided to defer the case till the project proponent submits reply to the observations.

The decision of SEAC has been conveyed to the project proponent on 01.04.2020 through online ADS (additional detail sought) facility available on the web portal.

Further, the Member Secretary, PPCB was requested vide email dated 11.08.2020 to send the status report on the following points:-

- i) Construction/Installation status of the expansion proposal of the proposed project of the industry
- ii) As to whether existing production is less than equal to 5000 TCD. Please send the detailed report.
- iii) Status of existing consents issued to existing unit under the Air Act, 1981 and Water Act, 1974.

- iv) As per MoEF Standard conditions/guidelines for granting EC of existing projects which have not taken EC earlier, the following are required:
 - a. Compliance report to the conditions w.r.t consent to Operate under the Air Act, 1981 and Water Act, 1974 granted for its existing unit.
 - b. In case of units operating prior to EIA notification 2006, copies of CTE & CTO of FY 2005-2006, obtained from PPCB, are required to be submitted.
- v) 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.
- vi) 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.

Accordingly, SEE, ZO, Jalandhar vide email dated 24.09.2020 has sent the report. Further, the project proponent has submitted reply to the observations raised in 186th SEAC meeting vide letter dated 29.08.2020, which are attached as under:

Sr. No.	Observations	Replies
1.	i) Submit compliance of TOR no iv-x (b), i.e. in case the existing project has not obtained environment clearance, copies of Consent to Establish/ No Objection Certificate and Consent to Operate obtained from PPCB along with compliance report to the conditions of consents from PPCB	PP submitted that compliance of ToR has been incorporated in the Final revised EIA report submitted along EDS reply dated 29.08.2020. Copy of the Latest CTO submitted valid upto 31.03.2020 and self-compliance report submitted to PPCB for verification has been attached.
2.	Submit action taken report on the compliance report to the conditions of consents from PPCB	Compliance report from PPCB is awaited Later on, submitted on 24.09.2020
3.	Submit revised rainwater recharging proposal based upon the pond adoption as per the design of PPCB. In this regard, Project Proponent shall also submit NOC/ permission from the rural development authorities.	PP submitted that the annual run-off generated from the rooftop area is 35526.19 m ³ /year, when annual rainfall is 591.0 mm. The industry has proposed for adoption of ponds outside the industrial premises, in which total 64763.91m ³ /year recharge will be done. Further, 5no. village ponds will be adopted for rainwater harvesting. NOC from concerned village sarpanch are yet to be obtained.

4.	Submit revised CER activities as per the OM dated 01.05.2018	<p>The project proponent will provide medical facility, Pond adoption, and Dispensary adoption to the nearby villages. NOC has been already taken from the village dispensary and schools. Total CER cost is 8.4 Crore.</p> <p>NOC from concerned village sarpanch for CER activity no. 1,2,4, 6,7,8,9 and 10 are yet to be obtained.</p>
5.	Submit a copy of the application filed to CGWA for obtaining approval for the abstraction of existing ground water. Also submit a copy of revised application filed to CGWA for obtaining approval for the proposed expansion.	Submitted Revised application Number: 21-4/5656/PB/IND/2020 on dated 28.04.2020 for abstraction of 597 KLD (existing and proposed) freshwater has been filled to CGWA.
6.	Submit revised Water Balance Diagram along with basis/calculation of water requirement.	<p>Submitted revised Water Balance Diagram with total fresh Water requirement for existing and proposed project is 597 KLD out of which 47 for domestic and 550 will be used for industrial purpose.</p> <p>Whereas, the Action plan for treatment of treated waste water of 1520 KLD as per specific TOR is yet to be submitted.</p>
7.	Upload the Final EIA report on the Parivesh portal	PP has submitted receipt of online submission & informed that Final EIA has been updated as per the MOM and uploaded on Parivesh portal .
8.	Provide waste water treatment details for existing & proposed expansion separately	PP has submitted Waste water treatment details for existing & proposed alongwith treated water characteristics & design criteria.
9.	Ground water sampling from State Laboratory i.e PBTI Lab, Mohali as the earlier sample not drawn by M/s PBTI, Lab	PP has submitted that total 3 samples (Chak Alla Baksh, Bishanpur & ward no.5 Khanpur) were taken from nearby villages. Copy of the test report of PBTI Lab has been submitted.
10.	Resubmit the damage assessment studies in compliance to the TOR no. 14	PP has submitted that total 45/- Lakhs will be spent as remediation plan. Study of Damage assessment done in the nearby area at the project site. No Environmental damage was observed.

11.	Clarify, project coordinates mentioned in EIA report not matching with the coordinates mentioned in presentation.	PP submitted that it is a typographical error. They ensure it will not repeat correct coordinate mentioned in updated EIA report.
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The details of the salient features project as given in Final revised EIA Report submitted vide letter no. ISL:AS:2020-21/175 dated 29.08.2020 and other documents are as under:

Sr. No.	Description	Details			
1.	Name of the project & address :	Capacity expansion of sugar mill from 5000TCD along with 19.5MW Cogeneration power plant to 12000TCD along with 59.5MW cogeneration power plant at Village- Chak Alla baksh and Mahiuldinpur Dalel, Tehsil-Mukerian Distt.-Hoshiarpur, Punjab.			
2.	Online Proposal No.	SIA/PB/IND2/22643/2018			
3.	Nature of project	EC for existing & proposed project			
4.	a) Category b) Activity	a. B1 b. 5(j) Sugar Industry			
5.	Whether the project falls in the critical polluted area notified by MoEF&CC/CPCB. (Yes/No)	No			
6.	Total Project Cost (In Crores) :	Rs. 347 Crore (Rs. 157 crore -Existing & Rs.190 Crore- Expansion)			
7.	Details of technology proposed for control of emissions & effluents generated from project	S. No	Details of proposed APCD/STP/ETP/ ZLD/ Continuous online monitoring system	Technology to be adopted by new unit/After expansion	Capacity of proposed technology
1		APCD	ESP	1050MW	
2		STP	STP	50 KLD	
3		ETP	ETP	3000 KLD	

		4	ZLD Technology	-	-
8.	Co-ordinates of all the corners of the project site	Point	Latitude	Longitude	
		A	31°55'40.357" N	75°37'13.668"E	
		B	31°55'42.288" N	75°37'18.500"E	
		C	31°55'43.868" N	75°37'32.417"E	
		D	31°55'46.081" N	75°37'37.553"E	
		E	31°55'46.114" N	75°37'47.296"E	
		F	31°55'34.951" N	75°37'47.112"E	
		G	31°55'31.661" N	75°37'37.297"E	
		H	31°55'36.520" N	75°37'24.140"E	
		I	31°55'36.431" N	75°37'14.507"E	
9.	Plot Area Details	S.no.	Land use	Area (Hectare)	Percentage (%)
		1	Sugar Mill Plant	4	18.6
		2	Power Plant	1.82	8.48
		3	ETP	0.40	1.86
		4	STP	0.40	1.86
		5	Housing Colony	1.86	8.66
		6	Green Plantation	7.79	36.3
		7	Internal Road	0.70	3.26
		8	Open & Cane Yard Area	4.49	20.9
			Total	21.46	100
10.	Type of project land as per master plan	Industrial use, CLU submitted			
11.	Details of valid consent to operate under Air & Water Act	CTOA/Renewal/HSP/2020/12558779 Valid upto 31 st March 2021 CTOW/Renewal/HSP/2020/12558957 Valid upto 31 st March 2021			
12.	Details of verified compliance report from SPCB to the conditions of existing consent to operate under Air act, 1981 & Water Act,1974	Verified compliance report awaited from SPCB			
13.	Whether any litigation pending against the project	Violation case No. 170/2017 pending against the industry Vs PPCB			

14.	Raw material details:	S. No.	Particular	Existing	Proposed	Total	Source of the Raw Material & Mode of Transportation	
		1.	Sugarcane	5000 TCD	7000 TCD	1200 TCD	From reserve area by tractor trolley/trucks .	
		Chemicals						
		2.	Lime	10 MT/Day	15 MT/Day	25 MT/Day	From market	
		3.	Sulphur	4 MT/Day	Not required	Not required	-	
		Fuel Requirement (TPD)						
		4.	Bagasse (In season)	1400	1960	3360	From their own mill	
		5.	Rice Husk (Off-season)	630	882	1512	From market	
		6.	Paddy Straw(Off-season)	398	560	958	From market	
		7.	Wood Chips(Off-season)	200	280	480	From market	
8.	Maize Cobs(Off-season)	107	150	257	From market			
15.	Production Capacity details:	Product Name	Existing (TPA)	Additional (TPA)	Total (TPA)			
		Sugar	5000	7000	12000			

16.	Details of major productive machinery/plant:	S. No.	Equipment's / Machinery	Existing	Proposed	After Expansion	
		1.	Boiler	160TPH (40 + 40 + 80)	200TPH (1 boiler)	200TPH (1 boiler)	
		2.	DG sets	6 No. (Silent Type)	-	6 No. (Silent Type)	
		3.	Wet Scrubbers	3 Wet Scrubbers	ESP	3 Wet Scrubbers/ ESP	
17.	Manpower requirement	350 persons (After expansion)					
18.	Details of Emissions (After expansion)	Sr No	Source	Capacity	Chimney Height (m)	Air Pollution Control Device	
		i)	Boiler	200	30	ESP	
		ii)	DG sets	4045	6	Wet Scrubbers	
19.	Hazardous/Non-Hazardous Waste Generation details & their storage, utilization and its disposal.	Details	Unit	Hazardous Waste Category	Proposed Quantity	Total Quantity after expansion	Disposal method
		Used Oil	KL/Annum	5.1	0.112	0.310	Authorized vendor
		APC Dust	TPD	NIL	NIL	NIL	NIL
		ETP Sludge		NIL	NIL	NIL	NIL
		Spent Wash		NIL	NIL	NIL	NIL

20.	Solid Waste generation and its mode of disposal:	Details	Unit	Existing Qty	Proposed Quantity	Total Quantity after expansion	Disposal method
		Domestic Solid Waste	Kg/Day	-	-	NIL	NIL
21.	Waste water generation & its disposal Arrangement in Operation Phase:	Details	Existing Qty (KLD)	Proposed Quantity (KLD)	Total Quantity after expansion (KLD)	Disposal method	
		Industrial Effluent	1020 KLD	1495 KLD	2515 KLD	Treated water reused	
		Domestic Effluent	10 KLD	31 KLD	41 KLD	After treatment use in Gardening	
22.	Details of the block in which the project site is located as per CGWA guideline	NoN-Notified					
23.	Breakup of Water Requirements & its source in Operation Phase:	S. No	Description	Existing water demand (KLD)	Water demand after expansion (KLD)		
		1.	Cooling water demand	0	0		
		2.	Domestic water demand	15 KLD	47 KLD		
		3.	Process water demand	453 KLD	550 KLD		
		4.	Green Area Water Demand	Not submitted	Not submitted		
		Total		468 KLD	597 KLD		

		Sources of water:					
		S. No	Purposes	Source of water			
		1.	Domestic	Fresh water			
		2.	Make-up water demand for cooling	Recycled water			
		4.	Green area water demand	Recycled water			
24.	Water balance chart	Submitted Water balance chart for Summer, Rainy and Winter seasons					
25.	Rain Water utilization proposal during monsoons	Not submitted					
26.	Rain Water Harvesting proposal	<p>The industry has proposed for adoption of ponds outside the industrial premises, in which total 64763.91m³/year recharge will be done. Ponds have been adopted at following villages:</p> <p>a. Gonspur b. Devi Dass -1 c. Devi Dass – 2 d. Abdula pur e. Jalala</p> <p>NOC from village sarpanch not submitted</p>					
27.	Block-wise details of no. of trees to be planted in proposed greenbelt area	S. no	Description	Area (m²)	No. of plants to be planted		
		1.	A Block Green area	25966	6400		
		2	B Block Green area	25966	6400		
		3	C Block Green area	25966	6400		
			Total	77900	19200		
28.	Energy requirements & savings:	a. The details of the energy are given below:					
		Sr. No.	Description	Unit	Existing	Proposed	Total
		1.	Power load	M W	160 MW	224 MW	384 MW
		2.	D.G sets	KV A	1045 KVA	3000K VA	4045 KVA

		Any other					
29.	EMP Budget details	EMP budget details :					
		Sl. No.	Particulars	Initial Cost (Crore)	Cost	Recurring Cost (Lakhs)	
		1.	Air Pollution Control (ESP/Wet Scrubber)	1.90		20	
		2.	Wastewater Treatment	ETP	0.40	5	
				STP	0.30	3	
		3.	Fire and Safety	0.15		3	
		4.	Green Belt Development/Solid Waste Disposal	0.34		4	
		5.	Rain Water harvesting	0.70		3	
			Total	3.79		38	
30.	CER Activities	Rs. 8.4 Crore will be spent CER activities					
31.	Project area involves forest land, (Yes/No),	NA (No RF/PF within the 10 KM of the project site. NOC from DFO is obtained vide letter no 1607 dated 22/09/2017 has been submitted					

5.0 Deliberations during the 193rd meeting of SEAC held on 26.09.2020

The meeting was attended by Sh. V.P Gupta, Vice President of the company through Video Conference and Sh. Aman Sharma, Consultant, M/s Vardan Environet, Gurugram.

The Environmental Consultant of the Project proponent presented the reply to the queries of the committee raised in the 187th SEAC meeting. The reply submitted by the project proponent was taken of record by the SEAC. Environmental Consultant of the promoter company was allowed to make the presentation for proposal before SEAC. SEAC was not satisfied with the reply given by the project proponent. After presentation and discussion on the replies of the observations raised in 187th SEAC meeting, the following queries were asked from the consultant:

- i. Submit CER proposal @ 1% of the proposed expansion cost.
- ii. Remediation plan of Rs 45 Lacs submitted against derived benefits Rs.1.7 Crore. The revised remediation plan of Rs 1.7 Crores be submitted.
- iii. Submit plan for up-gradation of existing ETP to ZLD technology by reusing the waste water.

- iv. Submit Environment Management Plan for disposal of boiler ash, APCD dust, ETP sludge.
- v. Submit a revised plan for the development of a green belt by including the maintenance cost of the plants in the EMP. The green belt area does not include shrubs & grass in the lawns.

After detailed deliberations, SEAC decided to defer the case till the project proponent submits a satisfactory reply to the aforesaid observations.

Item No. 193.05 Application for issuance of TORs for setting up of new Pharmaceutical Park (Bulk drugs & APIs and Formulations) at Village Wazirabad, Distt- Fatehgarh Sahib, Punjab by M/s Punjab Small Industries & Export Corporation Ltd (Proposal No. SIA/PB/NCP/56008/2020).

SEAC observed that:

1.0 Present case:

The project proponent has applied for issuance of TORs for setting up of new Pharmaceutical Park for manufacturing Bulk drugs & APIs and formulations with a capacity 7,30,000 TPA at Village Wazirabad, Distt- Fatehgarh Sahib, Punjab by M/s Punjab Small Industries & Export Corporation Ltd. Project is covered under Activity 7(c) & Category 'B1' as per EIA notification-2006.

The project proponent submitted the Form I (Appendix I), Pre-feasibility report, and other additional documents on online portal. They have submitted that it is a case of Terms of reference and processing fee will be submitted before the SEIAA meeting as approval has been sought from the competent authority and requested to consider the case being a Govt. Department.

The application was scrutinized & Essential Details were sought dated 14.09.2020, to which the project proponent replied dated 23.09.2020 and brief details are as under:

Sr. No.	Detail of the Document	Reply to EDS.
1.	It has been observed that the hard copy of form 1 submitted doesn't match with the soft copy online on Parivesh Portal (Formats of both the forms are different)	Checked the content and submitted Updated Form-1

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2.	An undertaking to be submitted with the effect that none of the industry (Anchor unit or any other unit under small plots) proposed in Pharmaceutical park will fall under Category A of the Schedule appended to the EIA Notification.	All categories of API and Bulk Drug etc. Units covered under 5(f) of EIA notification 2006 will be allowed.																
3.	What will be the average water consumption (m ³ /day) and average fuel consumption (TPD) of the proposed units in Pharmaceutical park: a. Anchor unit b. Other units to set up at small plots in pharmaceutical park	<p>The proposed Average consumption of water & fuel is given as below</p> <table border="1" data-bbox="735 580 1549 801"> <thead> <tr> <th>S.No</th> <th>Particulars</th> <th>Water (m³/d)</th> <th>Fuel (TPD)</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>Anchor unit</td> <td>1.9 MLD</td> <td>100</td> </tr> <tr> <td>B</td> <td>other plots (51 no)</td> <td>1.5 MLD</td> <td>120</td> </tr> <tr> <td></td> <td>Total</td> <td>3.4 MLD</td> <td>220</td> </tr> </tbody> </table>	S.No	Particulars	Water (m ³ /d)	Fuel (TPD)	A	Anchor unit	1.9 MLD	100	B	other plots (51 no)	1.5 MLD	120		Total	3.4 MLD	220
S.No	Particulars	Water (m ³ /d)	Fuel (TPD)															
A	Anchor unit	1.9 MLD	100															
B	other plots (51 no)	1.5 MLD	120															
	Total	3.4 MLD	220															
4.	Whether any of the industry (Anchor unit or any other unit under small plots) in proposed Pharmaceutical park will fall under MAH (Max Accident Hazard) unit as per the Management, Storage and Import of Hazardous rules,1989	All categories of API and Bulk Drug etc. Units covered under 5(f) of EIA notification 2006 will be allowed.																
5.	Please provide the distance from the nearest protected area notified under wildlife (Protection) Act, 1972 or Eco sensitive area as notified under EPA Act, 1986 on colored topo sheet (A3/A2) with proper scale so as to decide as to whether General Condition is applicable or not.	<p>No protected area -notified under the wildlife (Protection) Act, 1972 or Eco-sensitive area as notified under EPA Act, 1986/NP/WLS is present within 10 km radius of the project site.</p> <p>Whereas The BadsonBir Wildlife sanctuary is situated at a distance of 13.07 km (SW) form the project site and the distance & direction is marked on SOI enclosed Toposheet</p>																
6.	<p>In form 1, the following are the observations:</p> <p>a. At point no. 6, page no. 3, category of project has been mentioned as B2, whereas, it is an B1 project</p> <p>b. At point no. 4.2, Tentative Qty of MSW generation (MT/month) not mentioned</p> <p>c. At point no. 4.3, Tentative Qty of Hazardous waste generation</p>	<p>Necessary corrections have been incorporated in Updated Form-1 is enclosed as Annexure-I.</p> <p>a. At point no. 6, page no. 3, category is mentioned as B1 project whereas the justification is given for considering as B2</p> <p>b. At point no. 4.2, Tentative Qty of MSW generation is Approx 600kg/day (i.e:18 MT/month)</p> <p>c. At point no. 4.3, Tentative Qty of Hazardous waste generation is Approx 6MT/day (i.e:180MT/month)</p> <p>d. At point no. 4.6, Tentative Qty of STP Sludge is Approx 300kg/day (i.e: 9(MT/month)</p>																

<p>(MT/month) not mentioned & has been marked "No" instead of "Yes"</p> <p>d. At point no. 4.6, Tentative Qty of STP Sludge (MT/month) not mentioned & has been marked "No" instead of "Yes"</p> <p>e. Under heading eco sensitivity (within 15km radius), at point no. 2& 3, the distance of Bir Bhadson wildlife sanctuary mentioned as 13 km has been taken from GoogleEarth which is not authenticated therefore, Please provide the distance on Toposheet with proper scale</p>	<p>e. Under the heading eco-sensitivity (within 15km radius), at point no. 2& 3, the distance of Bir Bhadson wildlife sanctuary mentioned is 13.07 km (SW) from the project site.</p> <p>The distance & direction is marked on SOI Toposheet is enclosed</p>																																												
<p>7. In PFR, following points needs to be clarified:</p> <p>a. At page no. 27 & 42, it has been mentioned that 1no. Anchor unit and 51no. Plots for small and medium scale industries, residential area, office and commercial establishments are proposed to be developed. Please provide the details of residential areas, offices & commercial establishments to be developed on around 10 Acres of land (Proposed/ permissible Built up area of buildings, FAR etc. Further, specify whether the buildup area of above establishments will be less then or more then 20,000 sqm</p> <p>b. At page no. 47, it has been mentioned that 40TPD of solid waste from fuel (Rice Husk/Coal, etc.) will be used for landfilling in low lying areas. Either submit proposal for dust disposal along with agreement from competent authority to handle huge amount of daily</p>	<p>a. As suggested updated the details in PFR and corrected the typographical error of residential area in Page 27 & 42. Whereas in page section 6.2 it is clearly mentioned that no residential area is proposed in the project</p> <p>The area is provided for industrial utilities for banking & other basic needs of the industrial usage only. Not to establish commercial buildings which BUA is > 20000 sq.m.</p> <p>The area breakup is as below</p> <table border="1" data-bbox="735 1189 1549 1856"> <thead> <tr> <th>S.No</th> <th>Landuse</th> <th>Area(in Acres)</th> <th>% age</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Industrial plots</td> <td>67.93</td> <td>52.13</td> </tr> <tr> <td>2</td> <td>commercial use</td> <td>6.00</td> <td>4.60</td> </tr> <tr> <td>3</td> <td>Public building</td> <td>4.00</td> <td>3.07</td> </tr> <tr> <td>4</td> <td>Elec. Substation</td> <td>8.00</td> <td>6.14</td> </tr> <tr> <td>5</td> <td>Water works/ WTP</td> <td>2.63</td> <td>2.02</td> </tr> <tr> <td>6</td> <td>CETP/STP</td> <td>3.65</td> <td>2.80</td> </tr> <tr> <td>7</td> <td>Green/Open space</td> <td>20.06</td> <td>15.39</td> </tr> <tr> <td>8</td> <td>common waste material</td> <td>1.00</td> <td>0.77</td> </tr> <tr> <td>9</td> <td>road/rasta</td> <td>17.05</td> <td>13.08</td> </tr> <tr> <td>10</td> <td>Total</td> <td>130.32</td> <td>100.00</td> </tr> </tbody> </table> <p>Submitted The project layout with visible facilities</p> <p>c. At page 47 the details are given as separate as below</p>	S.No	Landuse	Area(in Acres)	% age	1	Industrial plots	67.93	52.13	2	commercial use	6.00	4.60	3	Public building	4.00	3.07	4	Elec. Substation	8.00	6.14	5	Water works/ WTP	2.63	2.02	6	CETP/STP	3.65	2.80	7	Green/Open space	20.06	15.39	8	common waste material	1.00	0.77	9	road/rasta	17.05	13.08	10	Total	130.32	100.00
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	dust generation or provide details of low lying areas where the dust will be disposed off along with permission from competent authority	<ul style="list-style-type: none"> 40 MT/Day of Solid waste from fuel (Rice Husk/Coal etc.) burning in individual units will be sent to Authorized Disposal Sites for landfill as per the SPCB Guidelines <p>However, necessary permission will be obtained by PSIEC/individual units well before operation of the units for proper disposal of fuel ash/ dust as per SPCB/CPCB guidelines.</p>										
8.	Colored copy of layout plan mentioning various details like proposed plot area, built up area, FAR, colored copy of topo sheet, contour plan on A1/A2 sheet	The coloured layout map showing plot area, BUA etc are given in Annexure III										
9.	Please clarify how 33% of total industrial park area will be earmarked for green belt development to meet MoEF&CC guidelines whereas land use of green area/open space is defined as 15.39%	<p>The project is committed to provide the 33% of the Industrial area for Greenbelt coverage as per MOEFCC guidelines (details are given in PFR sub para 5.3</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Category</th> <th style="text-align: center;">Total Area(in Acres)</th> </tr> </thead> <tbody> <tr> <td>Area under 15 mt and 10 mt wide Green Buffer and other Green Area</td> <td style="text-align: center;">20.06</td> </tr> <tr> <td>As per EIA Guidelines 33% of Individual Plot Area under Green /Open</td> <td style="text-align: center;">22.42</td> </tr> <tr> <td>Minimum Green Area/Open Space under Sub-station Area</td> <td style="text-align: center;">0.53</td> </tr> <tr> <td>Total Area under Green</td> <td style="text-align: center;">43.01 Acres (33%)</td> </tr> </tbody> </table> <p>And the greenbelt is clearly demarcated in the layout map which is attached as Annexure III</p>	Category	Total Area(in Acres)	Area under 15 mt and 10 mt wide Green Buffer and other Green Area	20.06	As per EIA Guidelines 33% of Individual Plot Area under Green /Open	22.42	Minimum Green Area/Open Space under Sub-station Area	0.53	Total Area under Green	43.01 Acres (33%)
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Total Area under Green	43.01 Acres (33%)											
10	Processing fee applicable as per Dept. of STE dated no.10/167/2013-STE(s)/150178/1 dated 27/06/2019	Necessary processing fee is being submitted by PSIEC separately.										

Environmental Engineer, PPCB, RO, Fatehgarh Sahib was requested vide email dated 11.09.2020 to send the report on the following points:-

- i) Status of the construction in the project area for which application of TORs submitted by the project proponent. Also attached the photographs of the project site.
- ii) Status of industries/other important structures located within 500 m radius from the boundary of the proposed project site.
- iii) Whether the site of the project is meeting the siting guidelines framed by the Punjab Pollution Control Board & suitable for such type of project.

Accordingly, Environmental Engineer, PPCB, RO, Fatehgarh Sahib vide email dated 24.09.2020 informed that the site was visited by A.E.E. of this office on 18.09.2020 and observed as under:

- i) The proposed site is an agricultural field having paddy during visit. There was no construction activity observed on the proposed site. (photographs attached.)
However, Sirhind Choe is passing through the proposed site of Pharmaceutical Park.
- ii) The detail of Industries located within 500 m radius from the boundary of the proposed project site is given as under:

Sr. No.	Name of the Industry	Type of the Industry
1.	M/s Natural Catings, Vill.Mullanpur Kalan, G.T. Road, Sirhind Side, Mandi Gobindgarh	Induction Furnace
2.	M/s Parvati Ceramics, Vill. Wazir Nagar, Mandi Gobindgarh	Ceramics
3.	M/s Aggarwal Ceramics, Vill. Mullanpur, Ameby Majra, Mandi Gobindgarh	Ceramics
4.	M/s Pushpanjli Strips, Vill. Mullanpur Kalan, G.T. Road, Sirhind Side, Mandi Gobindgarh	Rolling Mill
5.	M/s SALASAR Castings, Vill. Mullanpur Kalan, Tehsil Sirhind, Distt. Fatehgarh Sahib.	Induction Furnaces
6.	M/s Eden Steel Alloys, Vill. Mullanpur, Ambey Majra, Road, Near power Grid, Mandi Gobindagrh	Induction Furnace
7.	M/s Satpal Strips (P) Ltd., Vill Wazirnagar, PO. Mullanpur Kalan Mandi Gobindgarh	Rolling Mill
8.	M/s JMK Industries, Village Wazirbad, Sirhind, Distt. Fatehgarh Sahib	Induction Furnace
9.	M/s Mata Alloys Pvt. Ltd.(Punia Alloys), Vill Wazirabad, Ambey Majra Road, Mandi Gobindgarh	Induction Furnace
10.	M/s Chandigarh Castings Pvt. Ltd., Vill Ambey Majra, Mandi Gobindgarh	Induction Furnace
11.	M/s Bhawani Castings (P) Ltd., Vill. Ambey Majra, Mandi Gobindgarh	Induction Furnace
12.	M/s Vardhman Adarsh Ispat (P) Ltd., Vill. Ambey Majra, Near 220 KVA Grid, Mandi Gobindgarh	Rolling Mill
13.	M/S Jagat Metals (P) Ltd., Vill. Ambey Majra, Near 220 KV Power Station, Mandi Gobindgarh, Fatehgarh Sahib	Induction Furnace
14.	M/s Akshat Alloys. (Keshav Alloys Pvt. Ltd), Sirhind Side, Vill. Ambey Majra, Mandi Gobindgarh	Induction Furnace
15.	M/s Kanha Concast Vill Ambey Majra, Chattarpura Road, Mandi Gobindgarh	Induction Furnace
16.	M/s Bassi Alloys (P) Ltd., Vill. Ambey Majra, Mandi Gobindgarh, Fatehgarh Sahib	Induction Furnace

iii) As per District Town Planner letter no. 664DTP(FGS)F(T) dated 09.07.2020. the proposed site falls in Industrial Use Zone of Notified Master Plan, Gobindgarh and there is permission of Industry of any kind, in it.

iv) Also, PSIEC has submitted report from Tehsildar regarding various distances from the boundary of the proposal project as under:-

Sr. No.	Description	Distance
1.	Village lal dora	>500 meters
2.	Village Phirni	>500 meters
3.	Wild life sanctuary	Not present near Boundary of the State
4.	Zoo	Not present near Boundary of the State
5.	Residential Area*	>500 meters
6.	15 Pucca house	>500 meters
7.	Educational Institute	>500 meters
8.	Historical Religious Place	>500 metres

It is pertinent to mention here that Sirhind Choe (which ultimately meets river Ghaggar) is passing through the center of the proposed site for Pharmaceutical Park and it is apprehended that the wastewater from the proposed pharmaceutical industries may find its way into Sirhind Choe which ultimately meets river Ghaggar. Punjab Government has already submitted Action Plan for Clean River Ghaggar to Hon'ble NGT. Therefore, this office is of the opinion that the proposed storage of solvent/ spent solvent and proposed ETPs of the proposed Pharmaceutical units should be established at the farthest point from the Sirhind Choe. All the proposed Pharmaceutical units should adopt zero liquid discharge technology (ZLD). A buffer zone of thick green belt all around the boundary of the proposed project should be provided to control the emissions contain odour.

From above, it is clear that the site is suitable for the proposed project as per Policy of the Board, but this office is of opinion that above said Important point regarding Sirhind Choe may be considered before the issuance of TOR under EIA Notification 14.09.2006 for setting up of Pharmaceutical Park at the proposed site.

The details of the project as given in Form 1, Pre-feasibility Report and EDS replies submitted are as under:

Sr. no.	Description	Details
1.	Name of the project	Pharmaceutical Park (Bulk drugs & APIs and Formulations) in Wazirabad village, Fatehgarh Sahib District, Punjab.
2.	Online Proposal No.	SIA/PB/NCP/56008/2020

3.	Nature of project	EC for new project			
4.	a) Category b) Activit	a. Category B 1 b. 7 (C) for Industrial estates/Parks/Complexes/areas, export processing zones			
5.	Whether the project falls in the critically polluted area notified by MoEF&CC/CPCB.	No			
6.	Total Project Cost	Rs. 172 Crores			
7.	Amount of EC Processing Fee deposited by NEFT/DD	Rs. 4.3 lakhs (25% of processing fees) Not deposited.			
8.	Details of the technology proposed for control of emissions & effluents generated from project	S. No.	Details	Technology Proposed	Capacity
		1.	ETP with ZLD Technology	Conventional Primary/secondary/ Tertiary treatment followed by evaporation system (MEE/ LTE/ ATFD etc.)	1.5 MLD
		2	STP	ASP/SBR/MBBR etc.	0.5 MLD
		3	APCD	The individual industries shall provide the same as per technology approved by CPCB/PPCB	
9.	Co-ordinates	Point	Latitude	Longitude	
		A	30°37'48.22"N	76°19'0.14"E	
		B	30°37'45.05"N	76°19'39.52"E	
		C	30°37'27.21"N	76°19'34.20"E	
		D	30°37'27.35"N	76°19'10.28"E	
10.	Plot Area Details	Total Plot Area : 130.32 acres			
		S.No	Landuse	Area (in Ac)	% age

		1	Industrial plots	67.93	52.13
		2	Commercial use	6.00	4.60
		3	Public building	4.00	3.07
		4	Elec.Substation	8.00	6.14
		5	Water works/WTP	2.63	2.02
		6	CETP/STP	3.65	2.80
		7	Green/Open space	20.06	15.39
		8	Common Waste Material	1.00	0.77
		9	Road/Rasta	17.05	13.08
		10	Total	130.32	100.00
11.	Type of project land as per master plan	The proposed land falls under the Industrial zone of Notified master plan of Mandi Gobindgarh (the letter from Town & Rural planning department, Punjab)has been submitted.			
12.	Details of valid CTE/CTO	Not applicable-It is a new proposed project			
13.	Raw material details	In the proposed project, production and manufacturing of API's and Intermediates will involve various raw materials, where chemical reactions will take precipitation, substitution, addition, centrifugation, purifications, solvent recovery etc.			
14.	Production Capacity details:	Product Name		Total (TPA)	
		API & Bulk Drugs, Intermediates and formulations		2000 TPD/730000TPA	
15.	Details of major productive machinery/plant:	The PSIEC shall allot the plots to prospective buyers and the productive machinery shall be decided by prospective industries as per requirement of Bulk drugs & APIs/Intermediates units			
16.	Manpower requirement	S.No.	Details	Manpower	Remarks
		1	During Construction phase	500-600	Preference will be given to employ from nearby villages based on the skills & semi-skilled(labor-
		2	During Operation phase		
		i	Permanent Staff	500	

		ii	Permanent Worker (Skilled)	1500	oriented employment) etc.
		iii	Worker (Semi-Skilled)	1000	
			Total	3000	
17.	Details of Emissions	The individual industries shall provide adequate & appropriate pollution control systems as per proposed processes as per the CPCB/PPCB norms.			
18.	Hazardous/Non-Hazardous Waste Generation details & their storage, utilization and its disposal.	<p>The PSIEC will make proper arrangements for storage & disposal of ETP sludge as per the provisions of Hazardous Waste Management Rules), 2016.</p> <p>Further, the individual industries shall also make proper arrangements for storage & disposal of ETP sludge/ other hazardous wastes as per the provisions of Hazardous Waste Management Rules), 2016.</p>			
19.	Solid Waste generation and its mode of disposal:	Details	Unit	Quantity per day	Disposal method
		Domestic Solid Waste	Kg	600 Kg	To the local Body for management along with MSW of the city.
		Hazardous waste	MTD	6.0MT	Authorized TSDF at Nimbua (Dera Bassi) Dist. SAS Nagar.
		Fuel Ash	TPD	40 MT	The fuel Ash shall be disposed off for landfill as per CPCB guidelines. Adequate & appropriate land parcels shall be arranged in nearby area well before commissioning of industries.

20.	Waste water generation & its disposal Arrangement in Operation Phase:	Details	Quantity	Disposal method
		Industrial Effluent	1480 KLD (1.48 MLD)	Treated in CETP and reused in cooling and other uses in the industries.
		Domestic effluent	400 KLD (0.4MLD)	Reused for greenbelt development & flushing etc
		Sludge from effluent	6.0 MTD	Authorized TSDF at Nimbua (Dera Bassi)
		Note: ZLD Technology will be implemented for maximum usage of treated water		
21.	Details of the block in which the project site is located as per CGWA guideline	Sirhind block-Over exploited category as per CGWB report of Fatehgarh Sahib District. However, PSIEC shall draw water of 2.5 MLD from the nearby canal. Permission from the water resources department vide letter dated 07.07.20 has been submitted along PFR.		
22.	Breakup of Water Requirements & its source in Operation Phase:	Total One-time water requirement:- 3.4 MLD Fresh Water : 2.0 MLD, Recycled: 1.4 MLD Source of water: - Canal Water Waste water generation:-Trade Effluents around 1.48 MLD and sewage around 0.42MLD.		
23.	Water balance chart	Submitted		
24.	Green belt area details	Category	Total Area (in Acres)	
		Area under 15 mt and 10 mt wide Green Buffer and other Green Area	20.06	
		As per EIA Guidelines 33% of Individual Plot Area under Green /Open	22.42	
		Minimum Green Area/Open Space under Sub-station Area	0.53	
		Total Area under Green	43.01 Acres (33%)	

25.	Energy requirements & savings:	<p>The details of the energy are given below:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">S. No.</th> <th style="width: 40%;">Description</th> <th style="width: 15%;">Unit</th> <th style="width: 35%;">Total</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Power load</td> <td>KW</td> <td>10 MVA</td> </tr> <tr> <td>2.</td> <td>D.G sets</td> <td>KVA</td> <td>About 50%</td> </tr> </tbody> </table>	S. No.	Description	Unit	Total	1.	Power load	KW	10 MVA	2.	D.G sets	KVA	About 50%
S. No.	Description	Unit	Total											
1.	Power load	KW	10 MVA											
2.	D.G sets	KVA	About 50%											
26.	<p>a. EMP Budget details</p> <p>b. Details of Environment Management Cell (EMC) responsible for implementation</p>	<p>a. EMP budget details :</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Sr. No</th> <th style="width: 40%;">Environmental Protection Measures</th> <th style="width: 15%;">Capital Cost Rs. Lakh</th> <th style="width: 35%;">Recurring Cost Rs. Lakh</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>EMP</td> <td>1720</td> <td>172</td> </tr> <tr> <td></td> <td>Total</td> <td>1720</td> <td>172</td> </tr> </tbody> </table> <p>Note: 27.5 crore of cost is considered for CETP & STP in project cost for EMP purpose</p> <p>b. Details of Environment Management Cell (EMC) responsible for the implementation of EMP:</p> <p>The project proponent/developer would be responsible in setting up of an organized structure for environmental management at the proposed Pharmaceutical Park. The Environmental Management Cell (EMC) will be headed by an EHS Manager under the Executive Engineer</p>	Sr. No	Environmental Protection Measures	Capital Cost Rs. Lakh	Recurring Cost Rs. Lakh	1.	EMP	1720	172		Total	1720	172
Sr. No	Environmental Protection Measures	Capital Cost Rs. Lakh	Recurring Cost Rs. Lakh											
1.	EMP	1720	172											
	Total	1720	172											
27.	Details of the activities proposed to be covered under CER be provided in below format:	Corporate Environment Responsibility (CER) budget allocated is about 1.5% (2.58 crores) of project cost.												

2.0 Deliberations during the 193rd meeting of SEAC held on 26.09.2020

The meeting was attended by Sh. J.S Bhatia, Technical Consultant/GM of the PSIEC through Video Conference and Mrs. Sunita Mantri, Environmental Consultant, M/s Enkay Enviro Services Pvt. Ltd., Jaipur. The environmental Consultant of the promoter company was allowed to make a presentation of the proposal before SEAC. During the meeting, the following observations were made to which the project proponent replied as under:

Sr. no.	Observations	Reply

1.	Whether General conditions are applicable	No, as per the EIA Notification, 14.09.2006, Clause of General Condition is not applicable.
2.	<p>A letter addressed to MS, SEIAA, dated 25.09.20 has been received from MD, PSIEC requesting to take up the matter regarding considering the project as B2 category w.r.t MoEF notification dated 27.03.2020 with MoEF & CC whereas, SEAC observed that the above notification is for pharmaceutical units falling under Activity 5(f) but not for the Industrial Estates/parks which are covered under activity 7(c) of the EIA notification ,2006.</p> <p>Clarify, as to whether the project proponent wanted to continue under activity 7(c) of Industrial Estate, so that TORs can be issued</p>	The project proponent informed that it was decided to continue with the same proposal under activity 7(c) of Industrial Estate & requested to issue TORs.
3.	When the processing fee for TOR will be submitted by PSIEC.	The proponent informed that the process of obtaining approval for submission of requisite fee submission is under process and will be submitted before the SEIAA meeting. The process of approvals got delayed due to Corona Pandemic.

SEAC was satisfied with the presentation and reply given to the above observations. SEAC took a copy of the presentation along with a reply on record.

Environmental Consultant requested to use baseline monitoring of adjacent unit was done in the month March, April, May of year 2018 for adjoining units. She requested to kindly accept the study as per the OM dated 29.08.2017 issued by the MoEF&CC, New Delhi. SEAC accepted the request of the environmental consultant to consider the study carried out as a baseline study. However, it was decided that 01 months additional study shall be carried out with effect from the date of submission of application of ToRs which shall include at least five days of traffic study.

3.0 Recommendations

After detailed deliberations, it was decided to categorize the project under Activity 7(c) category B-1 with public consultation as required for the project. The baseline study shall be carried out by Environmental Consultant for one month additional study with effect from the date of submission of application of ToRs (except monsoon season), which shall

include at least five days traffic study. The Committee approved the following Terms of Reference for preparing Environmental Impact Assessment (EIA) report for the proposed project and recommended to SEIAA to issue the following TORs:

Standard Terms of Reference:

1. The project falls under category B-1 under item 7(c): Industrial Estates/ Parks/ Complexes/ areas, Export Processing Zones (EPZS), Special Economic Zones (SEZS), Biotech Parks, Leather Complexes projects and requires an Environmental Impact Assessment Study for the entire site area.
2. Reasons for selecting the site with details of alternate sites examined/rejected/selected on merit with comparative statement and reason/basis for selection. The examination should justify site suitability in terms of environmental damage, resources sustainability associated with selected site as compared to rejected sites. The analysis should include parameters considered along with weight age criteria for short-listing selected site.
3. Submit the details of the land use break-up for the proposed project. Details of land use around 10 km radius of the project site. Analysis should be made based on latest satellite imagery for land use with raw images. Check on flood plain of any river
4. Submit details of environmentally sensitive places, land acquisition status, rehabilitation of communities/ villages and present status of such activities.
5. Examine the impact of proposed project on the nearest settlements.
6. Examine baseline environmental quality along with projected incremental load due to the project taking into account of the existing developments nearby.
7. Environmental data to be considered in relation to the project development would be (a) land, (b) groundwater, (c) surface water, (d) air, (e) bio-diversity, (f) noise and vibrations, (g) socio economic and health.
8. Submit a copy of the contour plan with slopes, drainage pattern of the site and surrounding area, and any obstruction of the same by the project.
9. Details regarding project boundary passing through any eco- sensitive area and within 10 km from eco- sensitive area.
10. Green buffer in the form of green belt to a width of 15 meters should be provided all along the periphery of the industrial area. The individual units should keep 33% of the allotted area as a green area.
11. Submit the details of the trees to be felled for the project
12. Submit the details of the infrastructure to be developed.
13. Submit the present land use and permission required for any conversion such as forest, agriculture etc.
14. Submit details regarding R&R involved in the project
15. Zoning of the area in terms of 'type of industries' coming-up in the industrial area based on the resource requirement along with likely pollutants with quantity from the various industries.

16. The project boundary area and study area for which the base line data is generated should be indicated through a suitable map. Justification of the parameters, frequency and locations shall be discussed in the EIA.
17. Submit Roles and responsibility of the developer etc for compliance of environmental regulations under the provisions of EP Act.
18. Site justification of the identified industry sectors from environmental angle and the details of the studies conducted if any.
19. Ground water classification as per the Central Ground Water Authority.
20. Submit the source of water, requirement vis-a-vis waste water to be generated along with treatment facilities, use of treated waste water along with water balance chart taking into account all forms of water use and management.
21. Rain water harvesting proposals should be made with due safeguards for ground water quality. Maximize recycling of water and utilization of rain water. Examine details.
22. Examine soil characteristics and depth of ground water table for rainwater harvesting.
23. Examine details of solid waste generation treatment and its disposal.
24. Examine and submit details of use of solar energy and alternative source of energy to reduce the fossil energy consumption
25. In case DG sets are likely to be used during construction and operational phase of the project, emissions from DG sets must be taken into consideration while estimating the impacts on air environment. Examine and submit details.
26. Examine road/rail connectivity to the project site and impact on the traffic due to the proposed project. Present and future traffic and transport facilities for the region should be analyzed with measures for preventing traffic congestion and providing faster trouble free system to reach different destinations in the city.
27. A detailed traffic and transportation study should be made for existing and projected passenger and cargo traffic.
28. Examine the details of transport of materials for construction which should include source and availability.
29. Examine the details of National Highways/State Highways/ expressways falling along the corridor and the impact of the development on them.
30. Examine noise levels - present and future with noise abatement measures.
31. Identify, predict and assess the environmental and sociological impacts on account of the project. A detailed description with costs estimates of CSR should be incorporated in the EIA / EMP report
32. Examine separately the details for construction and operation phases both for Environmental Management Plan and Environmental Monitoring Plan with cost and parameters.
33. Submit details of a comprehensive Disaster Management Plan including emergency evacuation during natural and man-made disaster.

34. The Public hearing should be conducted for the project in accordance with provisions of Environmental Impact Assessment Notification, 2006 and the issues raised by the public should be addressed in the Environmental Management Plan. The Public Hearing should be conducted based on the TOR letter issued by the Ministry and not on the basis of Minutes of the Meeting available on the web-site.
35. A detailed draft EIA/EMP report should be prepared in accordance with the above additional TOR and should be submitted to the Ministry in accordance with the Notification.
36. Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
37. The cost of the Project (capital cost and recurring cost) as well as the cost towards implementation of EMP should be clearly spelt out.
38. Any further clarification on carrying out the above studies including anticipated impacts due to the project and mitigate measure, project proponent can refer to the model TOR available on Ministry website "[http://moef.nic.in/Manual/Industrial Estate](http://moef.nic.in/Manual/Industrial%20Estate)"

ADDITIONAL SPECIFIC TORS DECIDED DURING MEETING OF SEAC

1. Public consultation is required for the projects as not located in notified industrial parks/estates.
2. Examine the standard conditions prescribed by the MOEF&CC vide OM dated 09.08.2018.
3. Submit proof of ownership of land (existing owner) such as copy of latest Jamabandi (not more than one month old) and credible document showing status of land acquisition w.r.t. project site as prescribed in OM dated 07.10.2014 issued by MoEF)
4. Submit dully filled prescribed field data sheets and analysis reports along with exact location of sampling / monitoring point marked on the layout map. Also submit the status of approvals of Laboratories.
5. Submit cost of the project duly certified by Chartered Engineer/ Approved valuer / Chartered Accountant. In the absence of above, the project proponent may submit self-certified detail of cost of the project mentioning the cost of Land, building, infrastructure and plant & machinery
6. Certificate from the concerned authority w.r.t the location of protected areas as notified under the Wildlife Protection Act, 1972 within 5 km radius from the boundary of the project site.
7. Certificate from the Department of Town & Country Planning or concerned authorities to support the claim made by project proponent that the project site is located in the industrial zone as per the provisions of Master Plan of Town/City in the jurisdiction of which the project site is located otherwise project proponent shall submit the Change of land use of the project site for total land area.
8. Compliance of the siting criteria, standard operating practices, code of practice, and guidelines if any prescribed by the SPCB/CPCB/MoEF&CC for such type of units.

9. Necessary permissions from the Central Groundwater Authority (CGWA)/ State Groundwater Authority (SGWA)/concerned authority for the abstraction of groundwater for the existing requirements as well as for the expanded unit. In case of not allowing such permission by the concerned authority for the abstraction of additional groundwater for the expanded project, the project proponent shall propose alternative arrangements to meet out the additional water requirements. It shall be ensured that: -
 - a) In the projects where groundwater is proposed as a water source, the project proponent shall apply to the Central Groundwater Authority (CGWA)/ State Groundwater Authority (SGWA), as the case may be, for obtaining No Objection Certificate (NOC) if applicable.
 - b) Approval /permission of the CGWA/SGWA shall be obtained before drawing groundwater for the project activities.
 - c) In the absence of approval, submit a copy of acknowledgment along with a set of application filed to CGWA /Competent Authority for obtaining permission for the abstraction of groundwater
10. STP for treatment of wastewater & re-utilization of the treated water for core/non-core activities so as to achieve the Zero Liquid Discharge Condition as per the III (iv) of OM dated 09/08/2018 issued by the MoEF&CC for such units.
11. Adequate area to be reserved and marked on the layout plan for the green belt as per the conditions laid down by the MoEF&CC
12. Examine the use of natural gas (if available) as substitute fuel wherever possible.
13. Delineate the concrete proposal regarding activities to be undertaken under Corporate Environmental Responsibility indicating the followings: -
 - i) various activities to be undertaken as per the provision of OM dated 01.05.2018
 - ii) proportionate provisions of funds,
 - iii) the period in which CER activities is to be implemented
 - iv) the person(s) responsible for the implementation.
14. List the species with heavy foliage, broad leaves and wide canopy cover. The landscape planning should include plantation of native species. Water intensive and/or invasive species should not be used for landscaping
15. Submit the EMP for green belt considering amount to be spent Rs 400 per plant.
16. Examine the water requirements of the smaller unit proposed in the industrial park
17. Examine any change in the alignment of the Sirhind Choe passing through the project.
18. Examine the odour generated from the pharmaceutical unit and preventive measures. .
19. Submit the layout plan with earmarking of the 3 rows plantation on both sides of Sirhind Choe and along the boundary wall.
20. Examine the location of ETP/STP at farthest distance from the Sirhind Choe.

21. Traffic feasibility / serviceability study for at least 5 days based on Indian Standard Codes. Further it shall also include the details of cross section of the road on which industrial park is located, vehicles movement w.r.t. the industry, traffic load of other vehicles on the road incorporating the haulage time for the vehicles for loading/unloading within the premises and parking requirement to avoid the traffic congestions on the link and adjoining roads. Traffic study shall be conducted considering the traffic of the industries located in the vicinity.
22. The project proponent is allowed to prepare EIA study report by using the data of monitoring carried out in the month of March April and May 2018 with one month additional study shall be carried out with effect from date of submission of applicaion of ToRs which shall include at least five days traffic study.

The following general points shall be noted:

- (i) The EIA document shall be printed on both sides, as for as possible.
- (ii) All documents shall be properly indexed, page numbered.
- (iii) Period/date of data collection shall be clearly indicated.
- (iv) The letter/application for environmental clearance shall quote the MOEF / SEIAA file No. and also attach a copy of the letter.
- (v) The copy of the letter received from the Ministry / SEIAA shall be also attached as an annexure to the final EIA-EMP Report.
- (vi) The index of the final EIA-EMP report must indicate the specific chapter and page no. of the EIA-EMP Report.
- (vii) While preparing the EIA report, the instructions for the proponents and instructions for the consultants issued by MOEF vide notification dated 03.03.2016 which is available on the website of this Ministry shall also be followed.
- (viii) The consultants involved in the preparation of EIA-EMP report after accreditation with Quality Council of India (QCI) /National Accreditation Board of Education and Training (NABET) would need to include a certificate in this regard in the EIA-EMP reports prepared by them and data provided by other organization/Laboratories including their status of approvals etc. Name of the Consultant and the Accreditation details shall be posted on the EIA-EMP Report as well as on the cover of the Hard Copy of the Presentation material for EC presentation.

The Terms of Reference (ToR) prescribed by the State Expert Appraisal Committee (SEAC), Punjab should be considered for the preparation of EIA / EMP report for the project in addition to all the relevant information as per the Generic Structure of EIA given in Appendix III and IIIA in the EIA Notification, 2006.

Where the documents provided are in a language other than English, an English translation shall be provided. The draft EIA-EMP report shall be submitted to the State Pollution Control Board of the concerned State for the conduct of Public Hearing. The SPCB shall conduct the Public Hearing/public consultation, district-wise, as per the provisions of EIA notification,2006. The Public Hearing shall be chaired by an Officer, not below the rank of Additional District Magistrate. The issues raised in the Public Hearing and during the consultation process and the commitments made by the project

proponent on the same shall be included separately in EIA-EMP Report in a separate chapter and summarized in a tabular chart with financial budget (capital and revenue) along with time-schedule of implementation for complying with the commitments made.

If any part of the data/information submitted by the project proponent is found to be false or misleading at any stage, then SEIAA & SEAC will not be responsible for the expenditure incurred on the project due to issuance of this ToR or subsequent work carried out by the project proponent for conducting EIA study or for any other activity related to the project.

The 'Terms of Reference' (TORs) prescribed will be valid for a period of three years from its issuance. The final EIA report shall be submitted to the SEIAA, Punjab for obtaining environmental clearance.

Item No 193.06: Application for Environmental Clearance under EIA notification dated 14.09.2006 for the establishment of a Group housing project namely “M/s Sushma Belleza” located at Village – Nagla, Zirakpur, SAS Nagar (Punjab) (SIA/PB/MIS/153794/2020)

SEAC observed that:

1.0 Present case:

The project proponent has filed an application for obtaining Environment Clearance under EIA notification, 2006 for establishment of a Group housing project namely “Sushma Belleza” located at Village – Nagla, Zirakpur, SAS Nagar (Punjab) with a proposed built up area as 1,27,223 Sqm. The project is covered under Activity 8(a) & Category ‘B2’ as per EIA notification-2006.

The project proponent submitted the Form I, 1A and other additional documents. They have also deposited the processing fee amounting to Rs.2,54,448/- through NEFT (Fee has been submitted through with RTGS no. HDFCR52020052080322211 dated 20.05.2020).

The application was scrutinized & Essential Details were sought dated 08/06/2020, 14/07/2020, 28/07/2020, 30/07/2020, 03/08/2020, 19/08/2020 to which project proponent replied dated 02/07/2020 15/07/2020 28/07/2020 30/07/2020 11/08/2020 & 31/08/2020 respectively. THE following EDS reply has been submitted on 31.08.2020 covering, replies of all the above raised observations:

Sr. No.	Detail of the Document	Remarks of the scrutiny officer	EDS reply submitted dated 31.08.2020
(i)	Check list	Not Submitted, make sure to attach all the relevant documents desired in	It is as per the SEIAA checklist.

		checklist with additional file & proper indexing	
(ii)	Status of Additional file/Annexure/NOCs etc	Not uploaded	Project proponent uploaded the Status but due to some technical issues with the site, it was not showing. They are uploading the same again.
(iii)	Covering letter uploaded online is without Date, Subject, brief details like proposed build up area to be developed/expansion etc.	Please submit revised covering letter	Submitting the same.
(iv)	It has been observed that Index and page numbering has been done only for additional file attached whereas hard copy of other Documents like Form1, 1A, Brief of project, EDS replies, Layout plans, annexures, undertakings etc have been submitted in a raw manner without index and Page numbering.	Please submit the whole case under 1 index with proper page numbering as per MoEF & CC guidelines	They are submitting the same page numbering only for additional documents
(v)	In form 1, at point 2(h), Copy of documents in support of the competence/authority of the person making this application to make application on behalf of the User Agency not uploaded/submitted	Not uploaded/ submitted.	It is not shown when They upload application online.
(vi)	Form 1 submitted online is incomplete as lot of activities have been left blank and the details of hard copy submitted doesn't match with online filled Form 1. Moreover, signatures of PP on hard copy doesn't match with signatures of	Please submit/ upload properly filled form 1	They are now uploading the Form 1 with IA. Will submit the hard copy of form I submitted online.

	director at covering letter		
(vii)	KML file	It is corrupt, reattach the file	Uploading again
(viii)	In form 1, at point 1.1 & 1.3 it has been mentioned that the proposed project confirms to the land use as per master plan whereas, as per master plan the proposed land is agriculture land. Further, CLU letter dated 11.01.2010 submitted was issued to M/s Shipra Estate Ltd for super mega mixed use integrated Industrial park project for area measuring 591.44 acre.	Please submit details of CLU for proposed project with Khasra No. & area mentioned from Competent Authority.	CLU attached as annexure i)
(ix)	In the CLU letter dated 11.01.2010, it has been mentioned that PP shall obtain NOC regarding Consent to Establish from PPCB and shall not develop site before getting building plans/layout approved from competent authority	Please submit CTE from PPCB & approved building plan/Layout plan	Will be obtained after getting plans approved from the competent authority.
(x)	Layout plan duly approved by the competent authority needs to be submitted. PP has submitted hard copy of layout plan without any signatures and approval from the competent authority for project name Sushma Metropol. Further, it has been observed that the hard copy submitted doesn't match with the online uploaded Layout plan	Please submit correct & relevant duly approved layout plan for Sushma Bellezza mentioning permissible Height, area, FAR etc details	They have uploaded conceptual plan and the hard copy submitted is dully signed by the PP.
(xi)	Please submit latest Jamabandi of the land	Not submitted	Registry copy is attached with additional documents

	mentioning its khasra no.		as it was not being uploaded earlier due to technical issue.
(xii)	The EDS which was raised on 08.06.20, the reply for the same has not been uploaded on Parivesh Portal whereas PP has submitted only the hardcopy that too without page numbering of reply & annexure & date on covering letter	Please upload the reply online	As earlier mentioned it was uploaded but due to some technical issue it is not showing. We are uploading again.
(xiii)	In the EDS reply following replies are incomplete which needs to be resubmitted: i) Point no. 3 : KML file still corrupt ii) Point no. 4 : Hard copy of master plan is of Sushma metropol & not approved by any competent authority. iii) Point no. 5 : Conceptual plan not submitted iv) Point no.6: Hardcopy of Contour Map not legible nor uploaded online v) Point no. 7: Topo Sheet not legible vi) Point no. 8.: Submit revised undertaking by adding the project will not be operational before making disposal arrangements of treated water.	Please submit revised EDS reply for point 2 to 8	Please refer to additional documents and reply for the same has been submitted. Hard copies are already submitted.
(xiv)	In form 1A, at point 2.1 total quantity of water requirement has been mentioned as 314 KLD & 7 KLD will be discharged in sewer whereas no sewer line is available at project site.	Please provide the disposal arrangement of 7KLD treated water & revise water balance chart accordingly	The treated waste water will be discharged for on to land for irrigation copy of agreement is attached as annexure ii) till They get the sewer connection

(xv)	Provide details email sent to SEIAA/SEAC as 72hrs advance intimation notice regarding collection of samples	Not submitted	Intimation has been submitted through email
(xvi)	<p>In form 1A, it has been mentioned at point 2.6 that balance treated waste water will be discharged into public sewer. Further, MC Certificate dated 06.03.2020 has been submitted with additional document at page no. 25 mentioning that no sewer line is available at project site and PP has to make its own arrangement for disposal of treated wastewater in MC sewer that too after getting approval from Government and depositing requisite fee.</p> <p>a) As the MC sewer line is not available, what arrangement will be made for the disposal of treated wastewater</p> <p>b) Please submit revised undertaking also mentioning that the project will not be made operational before making disposal arrangement for treated wastewater with MC sewer or any other arrangement.</p> <p>c) Mark availability of MC sewer line near to project site on layout plan</p>	Please submit 'a, b & c'	There will be no discharge during summer please refer to water balance. Moreover They in winters and rainy season They will use treated waste water for onto land for irrigation as They have an agreement with GMADA for a copy of the same is attached as annexure (ii)
(xvii)	In form 1A, at point 2.7 it has been mentioned that 18298 m ³ /annum of	Please submit detail rain harvesting proposal with NOC's if required	Please refer to form IA last page as well as

	rain water will be discharge into ground water through rain water harvesting wells but no details have been provided.		presentation, NOC is not required.
(xviii)	In form 1A, at point 2.11 it has been mentioned the entire run of storm water will be harvested through rain water harvesting pits within the premises whereas no such proposal has been submitted nor rain harvesting pits have been shown on the layout.	Please submit storm water harvesting pits proposal and also mark on the revised layout	RWHP are marked on drawing.
(xix)	In form 1A, at point 5.3 it has been mentioned enough parking space is available in the project site.	Please submit the proposal and calculation details	Please refer to site plan attached as annexure (iii)
(xx)	EMP has been submitted in the presentation form on different slides	Please submit EMP proposal as a chapter including recurring & Capital cost	It is already submitted
(xxi)	CER activities have been proposed with cost (Rs 95 Lacs). Further, it has been mentioned that ponds have been adopted.	Please submit revised CER activities w.r.t. MoEF&CC OM dated 01.05.2018. Further, Submit details of pond adopted along with NOC from sarpanch & RWH proposal	It is as per SEAC guidelines
(xxii)	Submit undertaking whether any construction has been started at project site	Not submitted	Undertaking attached as annexure (iv)
(xxiii)	Drawing showing plumbing system for use of fresh, treated waste water and hot water with color coding	Not submitted	It is already submitted
(xxiv)	NOC for firefighting	Not submitted	NA as it can only be submitted after the approval of layout plan.
(xxv)	Please provide the distance of Sukhna lake or any other nearby	Not submitted	The adjoining project has already been approved by SEIAA

	wildlife sanctuary, eco sensitive area from the project site on topo sheet (With proper scale)		and the site distance is more than 10 KM
(xxvi)	Submit action plan for green belt development, no. of trees to be planted along with species	Not submitted	Attached as annexure (v)

Further, the details of the project as given in Form 1, Form 1A and other additional documents are as under:

Sr. no.	Description	Details			
1.	Name & Location of the project	Sushma Belleza" located at Village – Nagla, Zirakpur, SAS Nagar (Punjab)			
2.	Project/activity	8 (a) & Category B2			
3.	Co-ordinates	Point			
		Latitude	Longitude		
		A	30,37'32.21"N	76,50'00.47"E	
		B	30,37'30.53"N	76,50'00.79"E	
		C	30,37'27.93"N	76,50'07.81"E	
		D	30,37'31.00"N	76,50'11.78"E	
		E	30,37'37.00"N	76,50'13.64"E	
		F	30,37'36.37"N	76,50'07.62"E	
4.	Copy of the Master plan duly marked with the project site	Submitted			
5.	Layout plan	Submitted Conceptual Plan			
6.	CLU Certificate	Submitted CLU letter no. 161 CTP(PB) SP-432 (m) dated 11.01.2010 issued to M/s Shipra Estates Ltd for area measuring 591.44 Acre at village Bhankerpur, Shatab Garh, Bakarpur, & Chhat.			

7.	Copy of Memorandum of Article & Association	Submitted		
8.	Classification/Land use pattern as per Master Plan	Agriculture land		
9.	Cost of the project	Rs. 125 Cr		
10.	Processing Fee details (Amount/NEFT no./dated)	Deposited Rs 2,54,448/- through RTGS vide No HDFCR52020052080322211 Dated 20 th May 2020 against built up area of 1,27,223 Sqm		
11.	Area detail as per revised conceptual layout plan submitted along with EDS reply dated 31.08.2020 :			
	Sr No.	Description	Particulars	Unit
	1.	Plot Area (11.42 acres)	46248.24	SQM
	2.	Proposed Built Up Area,	Not mentioned in layout However, submitted vide email dated 24.09.2020 as 127223 sqm after finalization of Agenda	SQM
	3.	Max No of Floors	B+G+19	NOS
	4.	Expected Population	2333	PERSONS
	5.	Proposed green Area (29.6%)	13734.20	SQM
	6.	Proposed organised green area (15.5 %)	77176	SQM
	7.	Total ECS required	1049	
	8.	Total ECS required	1113	
	9.	Proposed FAR Area	77754	SQM
	10.	Total Non-FAR	5,32474.42	SQFT
	EDS reply submitted dated 31.08.2020			
	Other details of the project as provided in Form 1, Form 1A and additional documents submitted along with EDS reply dated 31.08.2020 :			
	S.no.	Description	Particulars	Unit
	1.	Total Water Requirement	314	KLD
	2.	Freshwater requirement	209	KLD
	3.	Wastewater Generation	251	KLD
	4.	Proposed STP Capacity	400	KLD
	5.	Treated Water Available for Reuse	226	KLD

	6.	Rain Water Harvesting Potential	18,298	CUM/Annum
	7.	Municipal Solid Waste Generation	716	KG/DAY
	8.	Quantity of E-Waste Generation-Kg/Day	Not submitted	KG/DAY
	9.	Quantity of Hazardous Waste Generation	Not submitted	LTS/DAY
	10.	Quantity of Sludge Generated from STP	465 kg approx	KG/DAY
	*Note: In Form 1 submitted online, it has been observed that consultant has left blank many activities (with answer mentioned 'no') without providing any reason for that.			
12.	Breakup of Water Requirements & source in Operation Phase (Summer, Rainy, Winter):			
	S.No.	Season	Freshwater	Reuse water
			Domestic (KLD)	Others (KLD)
				Flushing (KLD)
				Green area (KLD)
				HVAC (KLD)
	1.	Summer	209	105
	2.	Winter	209	105
	3.	Rainy	209	105
	S.No.	Description	Source of water	
	1.	Domestic	Borewell	
	2.	Flushing purposes	Treated water from STP	
	3.	Green area	Treated water from STP	
13.	Details of acknowledgement of application filed to CGWA	Submitted a copy of application filled for abstraction of ground water to CGWA for 209 KLD Dated 19/05/2020		
14.	Specify block of project site as per CGWA norms	Non Notified		
15.	Details of Wastewater generation, Treatment facility & its Disposal arrangements in Construction Phase	10 KLD and after treatment through septic tank it will be used for green area		
16.	Details of Wastewater generation, Treatment facility & its Disposal arrangements in Operation Phase	Total wastewater generation will be 251 KLD which will be treated in proposed STP of 400 KLD based on SBR technology to be installed within project premises. The details of the breakup of the utilization of wastewater is as under:-		

		Season	Flushing (KLD)	Green area (KLD)	Disposal of surplus treated waste water at GMADA site (Chhat entry point, Airport entry point for horticulture area development & maintenance)
		Summer	105	114	120
		Winter	105	38	83
		Monsoon	105	10	7
		EDS reply submitted dated 31.08.2020, PP has made agreement with GMADA vide letter no . 719 & dated 28.03.2019, that above surplus treated waste will be disposed off at GMADA site (Chhat entry point, Airport entry point for horticulture area development & maintenance)			
17.	Details of Rainwater recharging/Harvesting (m ³ /hr) proposal & technology proposed to be adopted	Not submitted, PP has only provided the rain water calculation 18, 298 Cum/year but has not submitted the RWH proposal EDS reply submitted dated 31.08.2020			
18.	Details of Solid waste generation (Qty), treatment facility and its disposal arrangement	932 Kg/day and a mechanical composter has been purposed.			
19.	Details of Hazardous Waste & E- Waste generation (Qty), Treatment facility and its disposal arrangement	Not submitted			
20.	Detail of DG sets	1X1010 and 1 x 240 KVA DG Sets			
21.	Air pollution control device details	DG sets with adequate height of Stack of 3.5 mtrs			
22.	Energy Requirements & Saving	Energy required 2500 KW from state grid Solar Light 20 No = 30 KWHD Common area (500) lights replaced with LED = 270KWHD Total Energy saved/day 30+270 = 300 KWHD			
23.	Details of Environmental Management Plan as per following details : A. COST OF ENVIRONMENT MANAGEMENT PLAN CONSTRUCTION PHASE:				

Sr. No.	Particulars	Approx. Recurring Cost (Rs in Lac)	Approx. Capital Cost (Rs in Lac)	Basis for cost Estimate
1.	Medical Cum First Aid	1.0	0.50	A first aid medical facility with first aid kit
2.	Toilets for sanitation system	1.0	2.0	Toilets with septic tank
3.	Wind breaking curtains	3.0	10.0	Wind breaking walls at vulnerable areas
4.	Sprinklers for suppression of dust	4.0	3.0	Sprinklers, Pipeline
B. COST OF ENVIRONMENT MANAGEMENT PLAN CONSTRUCTION & OPERATION PHASE:				
Sr. No.	Particulars	Approx. Recurring Cost Operational Phase (Rs in Lac)	Approx. Capital Cost Construction Phase (Rs in Lac)	
1.	Sewage Treatment Plant	4.5	100.0	
2.	Solid Waste segregation & disposal	2.0	10.0	
3.	Green Belt including grass coverage	0.50	14.0	
4.	RWHP	3.0	18.0	
C. COST OF ENVIRONMENT MONITORING PLAN CONSTRUCTION PHASE:				
Sr. No.	Particulars	Parameters	Frequency	Approx. Recurring cost/annum (Rs in Lac)
1.	Ambient Air Monitoring	As per new notification	Every Month	3.0
2.	Drinking water	All as per BIS standard	Every Month	2.40
3.	Noise Level Monitoring	24 Hrs. Noise Level	Every month	0.50
EDS reply submitted dated 28.08.2020				
24.	Corporate Environmental Responsibility	EDS reply submitted dated 31.08.2020		
Sr. No.	Activity Proposed	Cost (Rs. Lacs)	Remark	

	1.	Adoption of Ponds	95	<p>Implementation of ponds will be the responsibility of Director of the company. Ponds are yet to be identified through Deptt. of rural development and Panchayats.</p> <p>In this regard, it is informed that they will adopt the pond as per the MoEF&CC circular and they have visited the Rural Development and Panchayat Department Mohali and met the officer to give us the name of the village but as the COVID 19 they said it is not possible at this stage but we undertake that they will adopt pond (which will be provided by the Department of Rural Developments and Panchayats, Govt. of Punjab), as per the design evolved by Punjab Pollution control Board.</p>
25.	Action plan for Green belt development	<p>Not submitted, only attached a layout plan for green plantation which is not legible. EDS reply submitted dated 31.08.2020</p> <p>Vide email dated 24.09.2020, it was informed that 643 Nos of trees in the project will be provided as per the government of Punjab guidelines i.e one tree for 80 Sqm of the land and adopted the green belt along the road of more than 5 KM of GMADA and three islands</p>		

Environmental Engineer, PPCB, RO, Mohali was requested vide email dated 08.09.2020 to send the construction status report. A reminder was also given vide email dated 21.09.2020. However, the report was not sent by PPCB till the time of SEAC meeting.

2.0 Deliberations during the 193rd meeting of SEAC held on 26.09.2020

The meeting was attended by Sh. Deepak Gupta, Environmental Advisor of the company and Mr. Sital Singh, Environmental Consultant, M/s CPTL, Mohali.

Environmental Consultant of the promoter company was not allowed to make presentation for the proposal before SEAC as the construction status report was not sent by PPCB till the time of the meeting.

Further, SEAC observed that the application submitted by the project proponent/consultant is incomplete and is required to submit the following :

- i. Complete checklist and indexing of the application along with document submitted thereof.
- ii. Land use pattern of the project
- iii. Information against the Activity 1.1 of Form-1 i.e. "Permanent or temporary change in land use, land cover or topography including increase in intensity of land use (with respect to local land use plan)"
- iv. Submission of approved layout plan of M/s Shipra Estate Ltd with super imposing the plot area of Sushma Belleza & Sushma Metropol on it
- v. Revised proposal for the disposal of treated waste water as the earlier proposal submitted was not acceptable.
- vi. Rain Water Harvesting proposal with sections of the recharge pits, maintenance plan and details of ponds adopted and its calculation along with NOC of the Gram Panchayat.
- vii. Details of quantity of Hazardous Waste, E-Waste & Sludge generation and its disposal arrangement
- viii. Action plan for green belt development including the capital cost and recurring expenses.
- ix. Complete proposal of CER activities indicating the cost and time schedule to complete the activities as per OM dated 01.05.2018.
- x. Complete Proposals (RWH, CER & EMP) with the applications separately from the Power Point Presentation.

SEAC observed that Environmental Consultant of the promoter company left out the various column blank with answers "No" without justifying any reason in Form-I. However, the reason for the same is required to be provided.

3.0 Recommendations

After detailed deliberations, SEAC decided to defer the case till the construction status report from PPCB is received & the project proponent submits reply to the aforesaid observations.

Item No 193.07: Application for Environmental Clearance under EIA notification dated 14.09.2006 for the establishment of building and housing project "M/s Sushma Metropol" located at Village – Nagla, Zirakpur, SAS Nagar (Punjab) (SIA/PB/MIS/153588/2020)

SEAC observed that:

1.0 Present case:

The project proponent has filed an application for obtaining Environment Clearance under EIA notification, 2006 for the establishment of a Group housing project namely "Sushma Metropol" located at Village – Nagla, Zirakpur, SAS Nagar (Punjab) with a proposed built up area as 86,375 Sqm. The project is covered under Activity 8(a) & Category 'B2' as per EIA notification-2006.

The project proponent submitted the Form I, 1A and other additional documents. They have also deposited the processing fee amounting to Rs. 1,72,750/- through NEFT (Fee has been submitted through with UTR no. N139201138247114 dated 18.05.2020).

The application was scrutinized & Essential Details were sought dated 08/06/2020, 14/07/2020, 28/07/2020, 30/07/2020, 03/08/2020, 19/08/2020 to which project proponent replied dated 02/07/2020, 15/07/2020, 28/07/2020, 30/07/2020, 11/08/2020 & 29/08/2020 respectively. Following EDS reply has been submitted on 29.08.2020 covering, replies of all the above raises observations:

Sr. No.	Detail of the Document	Remarks	EDS reply submitted dated 29.08.2020
(i)	Check list	Not Submitted, make sure to attach all the relevant documents desired in checklist with additional file & proper indexing	It is as per the SEIAA checklist.
(ii)	Status of Additional file/Annexure/NOCs etc	Not uploaded	They uploaded the same but due to some technical issues with the site it is not showing. They are uploading the same again.
(iii)	Covering letter uploaded online is without Date, Subject, brief details like proposed build up area to be developed/expansion etc.	Please submit revised covering letter	Submitting the same.
(iv)	Form 1 submitted online is incomplete as lot of activities have been left blank and the details of hard copy submitted doesn't match with online filled Form 1. Moreover, signatures of PP on hard copy doesn't match with signatures of director at covering letter	Please submit/upload properly filled form 1	They are now uploading the Form 1 with IA. Will submit the hard copy of form I submitted online. Signatures are same.
(v)	In form 1, at point 1.1 & 1.3 it has been mentioned that the	Please submit details of CLU for proposed project with Khasra No. & area	CLU attached as annexure (i)

	<p>proposed project confirms to the land use as per master plan whereas, as per master plan the proposed land is agriculture land. Further, CLU letter dated 11.01.2020 submitted was issued to M/s Shipra Estate Ltd for super mega mixed use integrated Industrial park project for area measuring 591.44 acre</p>	<p>mentioned from Competent Authority.</p>	
(vi)	<p>In the CLU letter dated 11.01.2010, it has been mentioned that PP shall obtain NOC regarding Consent to Establish from PPCB and shall not develop site before getting building plans/layout approved from competent authority</p>	<p>Please submit CTE from PPCB & approved building plan/Layout plan</p>	<p>Will be obtained after getting plans approved from the competent authority.</p>
(vii)	<p>In form 1 at point 2.2 & hard copy of additional document at page no. 30, the domestic water requirement (water balance) has been mentioned as 31 KLD without considering green belt water requirement of 21 KLD whereas, the application applied to CGWA dated 18.05.2020 is only for 45 KLD.</p>	<p>Please submit NOC/ Application for CGWA with actual water requirement</p>	<p>The fresh water required is 46 KLD, the water required for the green is to taken from the adjoining project which is the same company project. Agreement of the same is attached as annexure (ii)</p>
(viii)	<p>In hard copy of additional document at page no. 30, in water balance chart it has been shown that 85 KLD of treated wastewater from STP which is proposed to</p>	<p>Please submit revised water balance chart with details of water requirement for green belt development.</p>	<p>The water balance submitted is correct.</p>

	be used for flushing has been recalculated for domestic water requirement and net fresh water requirement has been shown as 46 KLD.		
(ix)	In form 1A, at point 2.1 total quantity of water requirement has been mentioned as 131 KLD without considering the requirement of green belt development of 21 KLD. Further no agreement or NOC from the adjoining project regarding treated wastewater for green belt development has been submitted	Please provide the actual water requirement along with agreement/ NOC with quantities mentioned regarding treated wastewater.	The water balance submitted is correct. Agreement attached as annexure ii
(x)	In form 1A, it has been mentioned at point 2.6 that balance treated waste water will be discharged into public sewer. Further, MC Certificate dated 06.03.2020 has been submitted with additional document at page no. 25 mentioning that no sewer line is available at project site and PP has to make its own arrangement for disposal of treated wastewater in MC sewer that too after getting approval from Government and depositing requisite fee. a) As the MC sewer line is not available, what arrangement will be made for the	Please submit 'a, b & c'	There will be no discharge during summer please refer to water balance. Moreover They in winters and rainy season They will use treated waste water for onto land for irrigation as They have an agreement with GMADA for a copy of the same is attached as annexure (iii)

	<p>disposal of treated wastewater</p> <p>b) Please submit revised undertaking also mentioning that the project will not be made operational before making disposal arrangement for treated wastewater with MC sewer or any other arrangement.</p> <p>c) Mark availability of MC sewer line near to project site on layout plan</p>		
(xi)	<p>In form 1A, at point 2.7 it has been mentioned that 7530 m³/annum of rain water will be discharge into ground water through rain water harvesting wells but no details have been provided.</p>	<p>Please submit detail rain harvesting proposal with NOC's if required</p>	<p>Please refer to form IA last page as well as presentation, NOC is not required.</p>
(xii)	<p>In form 1A, at point 2.11 it has been mentioned the entire run of storm water will be harvested through rain water harvesting pits within the premises whereas no such proposal has been submitted nor rain harvesting pits have been shown on the layout.</p>	<p>Please submit storm water harvesting pits proposal and also mark on the revised layout</p>	<p>RWHP are marked on drawing.</p>
(xiii)	<p>In form 1A, at point 5.3 it has been mentioned enough parking space is available in the project site</p>	<p>Please submit the proposal and calculation details</p>	<p>Please refer to site plan.</p>

(xiv)	The EDS which was raised on 08.06.20, the reply for the same has not been uploaded on Parivesh Portal whereas PP has submitted only the hardcopy that too without mentioning the date of covering letter	Please upload the reply online	As earlier motioned it was uploaded but due to some technical issue, it is not showing. We are uploading again.
(xv)	In the EDS reply at point no. 2 PP was asked about agreement with M/s. Shipra Estate for which it has submitted hardcopy of the agreement along with additional documents which is not legible.	Please submit the legible copy of the agreement	As they can only submit only 20 GB files so They have to reduce the pixel of the same. We have submitted the hard copy.
(xvi)	<ul style="list-style-type: none"> i) In the EDS reply following replies are incomplete which needs to be re-submitted: ii) Point no. 3: KML file still corrupt iii) Point no. 4: Coloured master plan copy not uploaded online iv) Point no.5: Hardcopy of Contour Map not legible nor uploaded online v) Point no. 7: Topo Sheet not legible vi) Point no. 8.: Submit revised undertaking by adding the project will not be operational before making disposal arrangements of treated water 	Please submit the revised EDS reply for point 2 to 8	Please refer to additional documents and reply for the same has been submitted. Hard copies are already submitted.
(xvii)	Please submit latest Jamabandi of the land mentioning its khasra no.	Not submitted	Joint development agreement is attached and They are submitting jambandi. Khasra numbers are mentioned in the Joint

			development agreement.
(xviii)	Layout plan duly approved by the competent authority needs to be submitted. PP has submitted a rough layout plan without any signatures and approval from the competent authority. Further, the location of STP has been marked underground and utilities like firefighting equipment, rain water harvesting pits, and location of ambient air, ground water, and noise level sampling have not been marked on layout	Please submit revised layout	1 It is not a rough plan it is conceptual plan as per the MoEF guidelines and all the utility are marked . location of ambient air, ground water and noise level sampling have been marked on layout as annexure (iv)
(xix)	Submit undertaking whether any construction has been started at project site	Not submitted	Undertaking attached as annexure (v)
(xx)	Drawing showing the plumbing system for use of fresh treated waste water and hot water with colorcoding	Not submitted	It is already submitted
(xxi)	CER activities with cost (Rs 57 Lacs) w.r.t. MoEF&CC dated 01.05.2018. PP has only submitted the cost of CER that too is less than 1% of the project cost (Rs. 75 Crore)	Please submit revised CER activities	It is as per SEAC guidelines
(xxii)	NOC for firefighting	Not submitted	NA as it can only be submitted after the approval of layout plan.
(xxiii)	Provide coordinates of project site with additional file	Not submitted	Attached in the additional documents
(xxiv)	Provide details email sent to SEIAA/SEAC as 72hrs advance intimation notice	Not submitted	Intimation has been submitted through email

	regarding collection of samples		
(xxv)	EMP has been shown in the presentation form on different slides	Please submit EMP proposal as a chapter including recurring & Capital cost	It is already submitted
(xxvi)	Please provide the distance of Sukhna lake or any other nearby wildlife sanctuary, eco-sensitive area from the project site on toposheet (With proper scale)	Not submitted	The adjoining project has already been approved by SEIAA and the site distance is more than 10 KM
(xxvii)	Submit action plan for green belt development, no. of trees to be planted along with species	Not submitted	Attached as annexure (vi)

Environmental Engineer, PPCB, RO, Mohali was requested vide email dated 08.09.2020 to send the construction status report. A reminder was also given vide email dated 21.09.2020. However, the report was not sent by PPCB till the time of SEAC meeting.

The details of the project as given in Form 1, Form 1A, conceptual layout plan, and other additional documents are as under:

Sr. no.	Description	Details		
1.	Name & Location of the project	Sushma Metropol located at Village – Nagla, Zirakpur, SAS Nagar (Punjab)		
2.	Project/activity	8 (a) & Category B2		
3.	Co-ordinates of all the corners of the project site as per the following:	Point	Latitude	Longitude
		A	30,37'36.95" N	76,50'08.56" E
		B	30,37'35.30" N	76,50'10.02" E
		C	30,37'37.62" N	76,50'14.06" E
		D	30,37'41.46" N	76,50'15.86" E

4.	Copy of the Master plan duly marked with the project site	Submitted		
5.	Copy of duly signed Layout plan	Submitted Conceptual Layout plan		
6.	Proof of ownership of land mentioning Khasra no. & ownership details	PP submitted a Joint development agreement submitted between Shipra Estate limited & Suksha Developers which is not readable EDS reply dated 29.08.2020		
7.	Copy of Memorandum of Article & Association	Submitted		
8.	Classification/Land use pattern as per Master Plan	Agriculture Land		
9.	Cost of the project	Rs. 75 Cr		
10	Processing Fee details (Amount/NEFT no./dated)	Through NEFT vide UTR No N139201138247114 amount Rs 172750/- dated 18 th May 2020 against proposed built up area of 86375 Sqm.		
11	Area detail as per revised conceptual layout plan submitted along with EDS reply dated 29.08.2020 :			
	Sr. no.	Description	Particulars	Unit
	1.	Plot Area	16,604	SQM
	2.	Proposed Built Up Area	Not mentioned in layout Howeve, submitted vide email dated 24.09.2020 as 86375.20 sqm.	SQM
	3.	Permissible FAR	Not mentioned in layout	SQM
	4.	Proposed FAR not mentioned	Not mentioned in layout	SQM
	5.	No. of units	Retail – 84 SOHO Office – 96 Office - 590	Nos.
	6.	Expected Population	6873	PERSONS
	7.	Proposed green Area (23.77%)	3946.56	SQM
	11.	Total ECS required	1098	No.
	12.	Proposed ECS	1178	No.

	EDS reply submitted dated 29.08.2020					
12	Other details of the project as provided in Form 1, Form 1A, and additional documents submitted along with EDS reply dated 29.08.2020:					
	Sr. no.	Description	Particulars			Unit
	1.	Total Water Requirement	131			KLD
	2.	Proposed Built up area	86,375			Sqm
	3.	Freshwater requirement	46			KLD
	4.	Wastewater Generation	105			KLD
	5.	Proposed STP Capacity	200			KLD
	6.	Treated Water Available for Reuse	105			KLD
	7.	Rain Water Harvesting Potential	7530			CUM/Annum
	8.	Municipal Solid Waste Generation	1535			KG/DAY
	9.	Quantity of E-Waste Generation-Kg/Day	Not submitted			KG/DAY
	10.	Quantity of Hazardous Waste Generation	Not submitted			LTS/DAY
	11.	Quantity of Sludge Generated from STP	Not submitted			KG/DAY
	* Note: In Form 1 submitted online, it has been observed that the consultant has left blank many activities (with answer mentioned 'no') without providing any reason for that. without providing any reason for that.					
13.	Breakup of Water Requirements & source in Operation Phase (Summer, Rainy, Winter):					
	S.No.	Season	Freshwater		Reuse water	
			Domestic (KLD)	Others (KLD)	Flushing (KLD)	Green area (KLD)
	1.	Summer	131		86.00	21.00
	2.	Winter	131		86.00	7.00
	3.	Rainy	131		86.00	2.00
	S.No.	Description	Source of water			
	1.	Domestic	Ground water			
	2.	Flushing purposes	Recycled water from STP			
	3.	Green area	Recycled water from STP			
14	Details of acknowledgment of application filed to CGWA		Submitted CGWA application for 45 KLD fresh water requirement vide application No 21-4/5658/PB/INF/2020 Dated 18/05/2020			
15	Block of project site as per		Non-Notified			

	CGWA norms				
16	Details of Wastewater generation, Treatment facility & its Disposal arrangements in Operation Phase	Total wastewater generation will be 105 KLD which will be treated in proposed STP of 200 KLD based on SBR technology to be installed within project premises. The details of the breakup of the utilization of wastewater is as under:-			
		Season	Flushing (KLD)	Green area (KLD)	MC Sewer (KLD)
		Summer	86.00	9.00	0
		Winter	86.00	7.00	1
		Monsoon	86.00	2.00	7
17	Details of Rainwater recharging/Harvesting(m ³ /hr) proposal & technology proposed to be adopted	Not Submitted, PP has only provided the rain water calculation 7530 CUM/ Year but has not submitted the RWH proposal			
18	Details of Solid waste generation (Qty), treatment facility, and its disposal arrangement	1535 Kg/ day & Mechanical Composter will be provided for Biodegradable and recycled will be sold to the vendors and rest will be disposed at the approved site			
19	Details of Hazardous Waste& E-Waste generation (Qty), Treatment facility, and its disposal arrangement	Not submitted			
20	Detail of DG sets	1 X 1500 KVA, 1 X1000 KVA , 1 X 500 KVA			
21	Air pollution control device details	DG sets with adequate stack height of 3.5 meters			
22	Energy Requirements & Saving	Solar Light 15 No = 37 KWHD • Common area (250) lights replaced with LED = 135 KWHD • Total Energy saved/day = 172 KWHD			
23	Details of Environmental Management Plan as per the following details : A. COST OF ENVIRONMENT MANAGEMENT PLAN CONSTRUCTION PHASE:				
	Sr. No.	Particulars	Approx. Recurring Cost (Rs in Lac)	Approx. Capital Cost (Rs in Lac)	Basis for cost Estimate

1.	Medical Cum First Aid	1.0	0.50	A first-aid medical facility with first aid kit
2.	Toilets for sanitation system	1.0	2.0	Toilets with septic tank
3.	Wind breaking curtains	3.0	7.0	Wind breaking walls at vulnerable areas
4.	Sprinklers for suppression of dust	3.0	3.0	Sprinklers, Pipeline
B. COST OF ENVIRONMENT MANAGEMENT PLAN CONSTRUCTION & OPERATION PHASE:				
Sr. No.	Particulars	Approx. Recurring Cost Operational Phase (Rs in Lac)		Approx. Capital Cost Construction Phase (Rs in Lac))
1.	Sewage Treatment Plant	4.5		70.0
2.	Solid Waste segregation & disposal	2.0		10.0
3.	Green Belt including grass coverage	0.5		12.0
4.	RWHP	2.5		15.0
C. COST OF ENVIRONMENT MONITORING PLAN CONSTRUCTION PHASE:				
Sr. No.	Particulars	Parameters	Frequency	Approx. Recurring cost/annum (Rs in Lac)
1.	Ambient Air Monitoring	As per the new notification	Every Month	3.0
2	Drinking water	All as per BIS standard	Every Month	2.40
3	Noise Level Monitoring	24 Hrs. Noise Level	Every month	0.50
EDS reply submitted dated 28.08.2020				
24	Corporate Environmental Responsibility	EDS reply submitted dated 28.08.2020		
25	Sr. No.	Activity Proposed	Cost (Rs. Lacs)	Remark
	1.	Adoption of Ponds	57 Lacs	Implementation of ponds will be the responsibility of the Director of the company. Ponds are yet to be identified through Deptt. of rural development and Panchayats.

				In this regard, it is informed that they will adopt the pond as per the MoEF&CC circular and they have visited the Rural Development and Panchayat Department Mohali and met the officer to give us the name of the village but as the COVID 19 they said it is not possible at this stage but we undertake that they will adopt pond (which will be provided by the Department of Rural Developments and Panchayats, Govt. of Punjab), as per the design evolved by Punjab Pollution Control Board.
26	Action plan for green belt development			Not submitted, only attached a layout plan for green plantation which is not legible. EDS reply submitted dated 28.08.2020 Vide email dated 24.09.2020, it was informed that 210 Nos of trees in the project will be provided as per the government of Punjab guidelines i.e one tree for 80 Sqm of the land and adopted the green belt along the road of more than 5 KM of GMADA and three islands

2.0 Deliberations during the 193rd meeting of SEAC held on 26.09.2020

The meeting was attended by Sh. Deepak Gupta, Environmental Advisor of the company and Mr. Sital Singh, Environmental Consultant, M/s CPTL, Mohali.

Environmental Consultant of the promoter company was not allowed to make presentation for the proposal before SEAC as the construction status report was not sent by PPCB till the time of the meeting.

Further, SEAC observed that the application submitted by the project proponent/consultant is incomplete and is required to submit the following :

- i. Complete checklist and indexing of the application along with document submitted thereof.
- ii. Land use pattern of the project
- iii. Information against the Activity 1.1 of Form-1 i.e. "Permanent or temporary change in land use, land cover or topography including increase in intensity of land use (with respect to local land use plan)"
- iv. Submission of approved layout plan of M/s Shipra Estate Ltd with super imposing the plot area of Sushma Belleza & Sushma Metropol on it
- v. Revised proposal for the disposal of treated waste water as the earlier proposal submitted was not acceptable.

- vi. Rain Water Harvesting proposal with sections of the recharge pits, maintenance plan and details of ponds adopted and its calculation along with NOC of the Gram Panchayat.
- vii. Details of quantity of Hazardous Waste, E-Waste & Sludge generation and its disposal arrangement
- viii. Action plan for green belt development including the capital cost and recurring expenses.
- ix. Complete proposal of CER activities indicating the cost and time schedule to complete the activities as per OM dated 01.05.2018.
- x. Complete Proposals (RWH, CER & EMP) with the applications separately from the Power Point Presentation.

SEAC observed that Environmental Consultant of the promoter company left out the various column blank with answers “No” without justifying any reason in Form-I. However, the reason for the same is required to be provided.

3.0 Recommendations

After detailed deliberations, SEAC decided to defer the case till the construction status report from PPCB is received & the project proponent submits reply to the aforesaid observations.

Item No 193.08: Application for issuance of ToRs for carrying out EIA study for obtaining environmental clearance under EIA notification dated 14.09.2006 for setting up of new residential colony project namely "Suntec City by M/s the Indian Co-operative House Building Society Ltd, located at village Palheri (H.B. no. 173), Tehsil- Kharar and Village Raihmanpur (H.B no. 172), Tehsil- Majri, District- SAS Nagar, New Chandigarh, Punjab Proposal No. (SIA/PB/NCP/42854/2019)

SEAC observed that:

1.0 Present case:

The project proponent has applied for issuance of TORs to M/s Suntec City for setting up of new residential colony project namely "Suntec City ", located at village Palheri (H.B. no. 173), Tehsil- Kharar and Village Raihmanpur (H.B no. 172), Tehsil- Majri, District- SAS Nagar, New Chandigarh, Punjab with proposed built-up area as 2,08,819.52 Sqm. Project is covered under Activity 8(b) as per EIA notification-2006.

The project proponent submitted the Form I (Appendix I),1A, Conceptual Plan and other additional documents on online portal. They have also deposited the processing fee amounting to Rs.52,205/- (25% of the total fee) through DD No. 004758 dated 13.12.2019 .

The application was scrutinized & Essential Details were sought dated 12.01.2020 and 15.04.2020, to which the project proponent replied dated 27.02.2020 and 09.07.2020 respectively. The brief details are as under:

Sr. No.	Detail of the Document	Reply submitted by PP dated 12.01.2020
1.	Cost of the project duly certified by Chartered Engineer/ Approved valuer and Chartered Accountant	Rs 370 Cr, Certificate submitted
2.	Copy of the Master plan duly marked with project site.	Submitted.
3.	Pre-feasibility report/ conceptual Plan as per Ministry of Environment & Forests, Circular dated 30.12.2010.	Submitted.
4.	Proof of ownership of land	MOA is submitted in favour of Sh. Ajay Sehgal

Sr. No.	Detail of the Document	Reply submitted by PP dated 09.07.2020
1.	Certificate of accreditation of EIA consultant	Consultant: P and M Solution Certificate No.NABET/EIA/1922/IA0053
2.	Copy of Memorandum of Article & Association / partnership deed /undertaking of sole proprietorship/list of Directors and names of other persons responsible for managing the day-to-day affairs of the project.	MOA is submitted in favor of Sh. Ajay Sehgal
3.	Submit a Copy of Master Plan of the area showing land use pattern of the proposed site/certificate from Competent Authority intimating land use pattern of the project site as per proposals of the Master Plan of the area.	Submitted.
4.	Undertaking for no litigation pending against the project.	No litigation is pending w.r.t. project, Undertaking is submitted.

Environmental Engineer, PPCB, RO,SAS Nagar was requested vide email dated 15.09.2020 to send the construction status of the project site. However, the report was not sent by PPCB till the time of SEAC meeting.

The details of the project as given in Form 1, Pre-feasibility Report / Conceptual Plan, above EDS replies and other additional documents are as under:

Sr. no.	Description	Details
1.	Name & Location of the project	M/s. The Indian Co-op House Building Society Ltd. at Village Palheri (H.B. No. 173), Tehsil Kharar and village Raihmanpur (H.B. No. 172), Tehsil Majri, Distt. SAS Nagar (Area 108.58 acres). New Chandigarh, Punjab
2.	Project/activity	8(B)
3.	Co-ordinates of all the corners of the project site as per following:	
	S.No.	Latitude Longitude

"Proceedings of 193rd meeting of SEAC
held on 26.09.2020"

	1.	30°47'40.11"N	76°41'42.76"E
	2.	30°47'41.38"N	76°41'40.67"E
	3.	30°47'26.04"N	76°41'7.23"E
	4.	30°47'22.05"N	76°41'7.36"E
	5.	30°47'28.91"N	76°41'12.53"E
	6.	30°47'14.41"N	76°41'9.72"E
	7.	30°47'6.62"N	76°41'15.94"E
	8.	30°47'8.30"N	76°41'19.70"E
	9.	30°47'14.38"N	76°41'13.93"E
	10.	30°47'16.23"N	76°41'24.71"E
	11.	30°47'12.20"N	76°41'29.77"E
	12.	30°47'4.14"N	76°41'42.25"E
	13.	30°47'4.27"N	76°41'37.25"E
	14.	30°47'11.87"N	76°41'42.42"E
	15.	30°47'31.82"N	76°41'36.99"E
	16.	30°47'31.54"N	76°41'41.51"E
	17.	30°47'38.45"N	76°41'51.49"E
	18.	30°47'22.28"N	76°41'15.37"E
4.	Copy of the Master plan duly marked with the project site		Submitted
5.	Copy of duly signed Layout plan		Submitted approved Layout plan having approved Letter No. 5542-CTP(PB)/SP-454 dated 11-11-2016.
6.	Pre-feasibility/ conceptual report		Submitted
7.	Proof of ownership of land		Submitted
8.	Details of CLU certificate		Submitted CLU by Department of Town & Country Planning, Punjab Memo no. 2629 CTP(PB)/SP-432 dated 03-06-16.
9.	Copy of Memorandum of Article & Association.		Submitted Copy of Memorandum of Article in favor of Sh. Ajay Sehgal
10.	Proposed ToRs (based on the standard ToRs)		Submitted
11.	Classification/Land use pattern as per Master Plan		As per the New Chandigarh Master plan 2031 project falls in residential area.
12.	Cost of the project		Rs. 370 Cr (Development 37.50 + Land 332.50) EDS reply submitted Dated: 12.01.2020

13.	Processing Fee details (Amount/NEFT no./dated)	Amount Rs 52,205/- Ref No:183512003671 DD No: "004758" dated 13-12-2019		
14.	Detail of various components			
	S.no.	Description	Particulars	Unit
	1.	Plot Area (acres)	439407.67 sq.m.(108.58acres / 43.94 Ha)	SQM
	2.	Proposed Built Up Area	208819.52 sq.m	SQM
	3.	Number of Building Blocks	557 (Plots) Shopping Education Site EWS	NOS
	4.	Total no of Saleable DU's	557 (Plots) Shopping Education Site EWS	NOS
	5.	Max Height of Building	28	M
	6.	Max No of Floors	3	NOS
	7.	Expected Population	13280	PERSONS
	8.	Total Water Requirement	1647 Summer 1559 Winter 1532 Monsoon	KLD
	9.	Freshwater requirement	1046	KLD
	10.	Wastewater Generation	1307	KLD
	11.	Proposed STP Capacity	2000	KLD
	12.	Treated Water Available for Reuse	1176	KLD
	13.	Recycled Water	642 Summer 526 Winter 486 Monsoon	KLD
	14.	Surplus treated water	534 Summer 650 Winter 690 Monsoon	KLD
	15.	Rain Water Harvesting Potential	2805.06	CUM

	16.	Proposed Total Parking	To be Done by individual flat owner					
	17.	Surface Parking	To be Done by individual flat owner		ECS			
	18.	Basement Parking	Done by individual flat owner		ECS			
	19.	Required Green Area as per Plan	19837.69		SQM			
	20.	Proposed Green Area (7.195% as approved plan)	23791.47 Sq.m. as per approved plan		SQM			
	21.	Municipal Solid Waste Generation	5850		KG/DAY			
	22.	Quantity of Hazardous Waste Generation	Not submitted		LTS/DAY			
	23.	Quantity of Sludge Generated from STP	Not submitted		KG/DAY			
15.	Breakup of Water Requirements & source in Operation Phase (Summer, Rainy, Winter):							
	S.No.	Season	Freshwater		Reuse water		Total (KLD)	
			Domestic (KLD)	Others (KLD)	Flushing (KLD)	Green area (KLD)	HVAC (KLD)	
	1.	Summer	1046	642	470	172	---	1647
	2.	Winter	1046	526	470	56	---	1559
	3.	Rainy	1046	486	470	16	---	1532
	S.No.	Description		Source of water				
	1.	Domestic		Water will supplied by GAMADA				
	2.	Flushing purposes		Recycle water				
	3.	Green area		Recycle water				
16.	Details of acknowledgement of application filed to CGWA /Competent Authority for obtaining permission for abstraction of ground water			Not Applicable				
17.	Specify block of project site as per CGWA norms (Notified/Non Notified)			Non- Notified				

18.	Details of Wastewater generation, Treatment facility & its Disposal arrangements in Construction Phase	Not submitted Qty Details of Wastewater generation. During Construction: Septic tank followed by soak pit																
19.	Details of Wastewater generation, Treatment facility & its Disposal arrangements in Operation Phase	<p>Total wastewater generation will be 1307KLD which will be treated in proposed STP of 2000KLD based on SBR technology to be installed within project premises. The details of the breakup of the utilization of wastewater is as under:-</p> <table border="1" data-bbox="767 734 1426 1048"> <thead> <tr> <th data-bbox="767 734 948 927">Season</th> <th data-bbox="948 734 1102 927">Flushing (KLD)</th> <th data-bbox="1102 734 1273 927">Green area (KLD)</th> <th data-bbox="1273 734 1426 927">Disposal in GMADA Sever (KLD)</th> </tr> </thead> <tbody> <tr> <td data-bbox="767 927 948 969">Summer</td> <td data-bbox="948 927 1102 969">470</td> <td data-bbox="1102 927 1273 969">172</td> <td data-bbox="1273 927 1426 969">534</td> </tr> <tr> <td data-bbox="767 969 948 1012">Winter</td> <td data-bbox="948 969 1102 1012">470</td> <td data-bbox="1102 969 1273 1012">56</td> <td data-bbox="1273 969 1426 1012">650</td> </tr> <tr> <td data-bbox="767 1012 948 1048">Monsoon</td> <td data-bbox="948 1012 1102 1048">470</td> <td data-bbox="1102 1012 1273 1048">16</td> <td data-bbox="1273 1012 1426 1048">690</td> </tr> </tbody> </table> <p>NOC regarding permission for disposal of treated water in proposed Sever Line of GMADA vide letter Dated : 11.01.2019 .</p>	Season	Flushing (KLD)	Green area (KLD)	Disposal in GMADA Sever (KLD)	Summer	470	172	534	Winter	470	56	650	Monsoon	470	16	690
Season	Flushing (KLD)	Green area (KLD)	Disposal in GMADA Sever (KLD)															
Summer	470	172	534															
Winter	470	56	650															
Monsoon	470	16	690															
20.	Details of Rainwater recharging/Harvesting(m ³ /hr) proposal & technology proposed to be adopted	Total Rain Water: 2805.06 Cum/hr Harvesting pit and Tank total capacity: 137 cum No. of Pits proposed 21																
21.	Details of Solid waste generation (Qty), treatment facility and its disposal arrangement	5850.3 Kg/day during operation Treat as per the Solid Waste Management Rule 2016. GAMADA waste treatment facility																
22.	Details of Hazardous Waste&E-Waste generation (Qty), Treatment facility, and its disposal arrangement	Project Proponent informed that it is a residential project, hence, no Hazardous and E-Waste generated, A very less amount will be generated that will be treated as per the Solid Waste Management Rule 2016.																
23.	Detail of DG sets	Individual plot owners will make their own arrangement, 25 kVa D.G. will be provided to power failure.																

24.	Air pollution control device details	Water sprinkler will be used at site for regular water sprinkling			
25.	Energy Requirements & Saving	50. NOS of Solar Light, Energy-saving equipments Solar water heater will be used.			
26.	Details of Environmental Management Plan	Sr.No	Environmental Protection Measures	Capital Cost Rs. Lakh	Recurring Cost Rs. Lakh
		1.	Monitoring of Environment components	--	3
		2	Water Conservation measures	500	20
		3	Energy Conservation Measures	6	0.5
		4.	Green Belt Development	215	5
		5.	Solid Waste Management	5	2
			Total	726	30.5
27.	<p>a. Details of Corporate Environmental Responsibility (CER) indicating various activities to be undertaken as per the provision of OM dated 01.05.2018</p> <p>b. Details of NOC from the village Sarpanch, Certificate from the School Principal & concerned Govt. Departments etc.</p>	<p>Corporate Environment Responsibility (CER) Budget towards capital expenditure in accordance with the MoEF&CC's Office Memorandum F.No. 22-65/2017-IA.III dated 01.05.2018 for Social Welfare.</p> <p>The estimated cost of the project is Rs 370 Crores 2% of the project cost has been earmarked for the Corporate environment Responsibility (CER) to meet expenditures for the stakeholders as per social impact assessments. As per the commitment made during the public hearing an amount of Rs. 7.4 Crores will be spent</p> <p>Timeline and CER activity will be done at the time of EIA study</p>			
28.	Details of green belt development shall include the following:	<p>a) No. of trees will be examined during the EIA Study</p> <p>b) 7.195 %(5.897 Acre/ 23791.47 Sq.m.) as per approved plan and 7526.54 additional.</p>			

	<p>a) No. of tree to be planted against the requisite norms.</p> <p>b) Percentage of the area to be developed.</p>	
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2.0 Deliberations during the 193rd meeting of SEAC held on 26.09.2020

The meeting was attended by Sh. Ajay Sehgal, Director of the company and Mr. S. Brahma, Environmental Consultant, M/s Shivalik Solid Waste Management Ltd., Zirakpur. Environmental Consultant of the promoter company was not allowed to make a presentation for the proposal before SEAC as the construction status report was not sent by PPCB till the time of the meeting.

3.0 Recommendations

After detailed deliberations, SEAC decided to defer the case and the same shall be placed in the next meeting of SEAC after getting the construction status report from PPCB.

Item No.193.09: Application for obtaining Environment Clearance under EIA notification Dated 14.09.2006 for expansion of existing steel manufacturing unit M/s Vimal Alloys Pvt. Ltd. having existing capacity of 43,050 TPA of steel Ingots / Castings to 1,17,600 TPA at Village- Sounti, Amloh Road, Mandi Gobindgarh, Dist. Fatehgarh Sahib (Proposal No. SIA/ PB IND/37324/ 2018).

SEAC observed that:

1.0 Background:

The project proponent has submitted application for issuance of TOR under EIA notification, 2006 for expansion of the steel manufacturing unit by replacement/addition of induction furnaces in Village Sounti, Tehsil- Amloh, Distt- Fatehgarh Sahib, Punjab. The project is covered under category 3(a) -Secondary Metallurgical Industries (ferrous & non-ferrous) of the Schedule appended to the said notification.

On scrutinizing the application, the following Essential details were sought online to which the project proponent replied as under:-

Sr. NO	EDS raised online	Reply submitted by Project Proponent
1.	<p>The industry has mentioned that they have established the unit in 1991 and obtained CTE from the Board for the manufacturing of steel ingot@ 45000 TPA. Thereafter, in 2004, the unit got CTE for the manufacturing of steel ingot@ 123 TPD. The project proponent is required to submit the details of furnace capacity & electric load available at that time with documentary evidence and justify that project at any stage has not violated the provisions of EIS notification, 1994, EIA notification dated 14.09.2006 and its amendments.</p>	<p>The project proponent has submitted as under:-</p> <p>The Industry was granted approval from Competent State Authority, Govt. of Punjab for manufacturing of steel Ingots @ 45000 TPA vide letter no. CSA/P.A/3503 dated 04-10-1991. The Industry was granted consent to establishment (CTE) for expansion by Punjab Pollution Control Board, Patiala, Punjab in 2004 vide letter no. EE(P)/2004/FGS/LM/7/1/3145 dated 13-02-2004 for manufacturing of Steel Ingot/ casting @ 123TPD. The Industry was granted consent to operate (CTO) by Punjab Pollution Control Board, Patiala, Punjab in 2005 vide letter no. FGS/APC/2005-06/V(158)/09 dated 15-03-2005 for manufacturing of Steel Ingot @ 123TPD. The consent to operate under Water & Air Acts was renewed by Punjab Pollution Control Board from time to time and the latest renewal has been done on 04-02-2011, same was valid up-to 31-12-2013 vide their letter no. ZO-I/FGS/WPC/2011-13/F-363 dated 04-02-2011. The Industry was again applied for consent to establishment for modernization (CTO) in 2012 and Punjab Pollution Control Board, Patiala, Punjab issued NOC vide their letter no. SEE (ZP-II)/FGS/APC/2012/NOC/Modernization/476 dated 23-04-2012 for manufacturing of better quality Steel Ingot/steel casting @ 123TPD. The Industry has applied to MOEF & CC, Regional Office, Chandigarh for clarification for the Installation of equipment/machinery named as LADLE</p>

		<p>REFINING FURNACE, VACUUM DEGASSING & ARGON-OXYGEN DE-CARBONIZATION for refining of the existing Molten Metal's for better quality without increasing the production capacity of the unit i.e. 123TPA, in March 2012 which has already been approved by different Authority, since 1991. In this regards, the Ministry of Environment Forest & Climate Change had clarified, that unit does not require Environmental Clearance for the Installation of equipment/machinery named as Ladle refining Furnace, Vacuum Degassing & Argon-oxygen De-carbonization for refining of the existing Molten Metal's for better quality without increasing production capacity as per EIA Notification 2006 & amended time to time.</p>																						
<table border="1"> <thead> <tr> <th data-bbox="550 683 678 873">YEAR OF ESTABLISHMENT</th> <th data-bbox="678 683 837 873">CAP. OF FURNACE</th> <th data-bbox="837 683 957 873">POWER</th> <th data-bbox="957 683 1117 873">TOTAL PRODUCTION</th> <th data-bbox="1117 683 1420 873">WHETHER COVERED UNDER EIA NOTIFICATION OR NOT</th> </tr> </thead> <tbody> <tr> <td data-bbox="550 873 678 996">04-09-1991</td> <td data-bbox="678 873 837 996">1TPH, 2X3TPH</td> <td data-bbox="837 873 957 996">2016.5KW</td> <td data-bbox="957 873 1117 996">45000TPA</td> <td data-bbox="1117 873 1420 996">The industry is not covered under EIA notification.</td> </tr> <tr> <td data-bbox="550 996 678 1108">13-02-2004</td> <td data-bbox="678 996 837 1108">2X6TPH</td> <td data-bbox="837 996 957 1108">4396.29 KW</td> <td data-bbox="957 996 1117 1108">123TPD</td> <td data-bbox="1117 996 1420 1108">The industry is not covered under EIA notification 1994.</td> </tr> <tr> <td data-bbox="550 1108 678 1422">23-04-2012</td> <td data-bbox="678 1108 837 1422">1TPH, 4TPH & 7TPH, holding furnace 15TPH, LRF, VD, AOD.</td> <td data-bbox="837 1108 957 1422">6800KW</td> <td data-bbox="957 1108 1117 1422">123TPD</td> <td data-bbox="1117 1108 1420 1422">MOEF & CC, Regional Office, Chandigarh has clarified, there is no requirement of EC for modernization.</td> </tr> </tbody> </table>	YEAR OF ESTABLISHMENT	CAP. OF FURNACE	POWER	TOTAL PRODUCTION	WHETHER COVERED UNDER EIA NOTIFICATION OR NOT	04-09-1991	1TPH, 2X3TPH	2016.5KW	45000TPA	The industry is not covered under EIA notification.	13-02-2004	2X6TPH	4396.29 KW	123TPD	The industry is not covered under EIA notification 1994.	23-04-2012	1TPH, 4TPH & 7TPH, holding furnace 15TPH, LRF, VD, AOD.	6800KW	123TPD	MOEF & CC, Regional Office, Chandigarh has clarified, there is no requirement of EC for modernization.				
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13-02-2004	2X6TPH	4396.29 KW	123TPD	The industry is not covered under EIA notification 1994.																				
23-04-2012	1TPH, 4TPH & 7TPH, holding furnace 15TPH, LRF, VD, AOD.	6800KW	123TPD	MOEF & CC, Regional Office, Chandigarh has clarified, there is no requirement of EC for modernization.																				
2.	<p>Details of location of the industry duly marked on Notified Master or submit the documentary evidence to prove your contention that it is located in a designated industrial area.</p>	<p>Submitted a copy of the Master Plan showing that site is located outside of master plan of Mandi Gobindgarh. The industry is already an existing unit and there will be no change in the land use and it is an expansion project. No additional land has been acquired.</p>																						

The case was considered by SEAC in its 163rd meeting held on 13.03.2018, the SEAC allowed the project proponent to present the salient features of the project for issuance of TORs. The case was considered by SEIAA in its 129th meeting held on 23.03.2018, Environmental Consultant of the Promoter industry presented the salient features of the project. The SEIAA observed that the SEAC has categorized the project into B-1 category

and has recommended specific TORs for undertaking detailed EIA & EMP for such types of projects.

The SEIAA looked into the details of the case and was satisfied with the same. Therefore, the Authority decided to accept the recommendations of SEAC and approved Terms of Reference for undertaking detailed EIA & EMP as finalized by SEAC.

Accordingly, TORs was issued vide letter No. SEIAA / 2018/ 518 dated : 10.04.2018.

2.0 Present Case:

The project proponent has now submitted the EIA report. Further, the project proponent has submitted processing fee of Rs. 2,42,500/- (Rs. 2,18,250 vide NEFT no. N029200360775957 dated 29.01.2020. Additional Rs. 24,250/- has been submitted vide NEFT no. N050200374387317 dated 19.02.2020. EIA report was scrutinized and EDS was raised on the basis of shortcomings in the application, to which the project proponent replied dated 21.02.2020, 30.07.2020, 15.09.2020 and 22.09.2020 respectively.

Following are the online EDS reply submitted by the project proponent dated 21.02.2020:

S. No.	Detail of the documents	EDS replied submitted dated 21.02.2020
1.	With reference to reply of EDS submitted on 10.02.2020, you have replied that fee have been submitted as per following details a. Rs. 2,18,250/- dated 29.01.2020 b. Rs. 24,250/- dated 05.02.2020. Whereas, it has been verified from the account statement that no fee of Rs. 24,250/- dated 05.02.2020 has been deposited in the SEIAA/SEAC account (Corporation Bank)	The balance amount of Rs. 24,250/- has been deposited on dated 19.02.2020 in the SEIAA/SEAC account (Corporation Bank). The UTR no. of the transaction is 200374387317

Following are the online EDS reply submitted by the project proponent dated 30.07.2020:

Sr. No.	Detail of the Document	EDS replied submitted dated 30.07.2020
1)	a. Total project cost break up (existing and proposed) b. Further, the APCD Cost for 2×15TPH & 1×1TPH induction furnaces has been mentioned as Rs. 35.0 lakh. Please clarify	a. PP submitted revised Project cost breakup is Rs. 24.25 crore b. PP has Revised APCD cost as Rs. 78 lac From Rs. 35 lac.

2)	As per issuance of TOR No. SEIAA/2018/518 dated: 10.04.2018, Adequate funds (at least 2.5 % of the project cost) shall be earmarked towards the Enterprise social Commitment based on Public Hearing issues and item-wise details along with time bound action plan shall be included. Socio-economic development activities need to be elaborated upon. Please clarify?	The Enterprise Social Commitment is revised to Corporate Environmental Responsibility as per OM- 22-65/2017-IA.III dated 01.05.2018. For which Rs. 10 Lakhs will be spent.
3)	As per Application No. 21-4/3102/PB/IND/2017 has been submitted to CGWA for permission to abstract ground water for industrial use with total water requirement as 46 KLD. However, it has been mentioned in Form-II & EIA that permitted water quantity is 60 KLD. The blow down (0.5 KLD) & STP capacity needs to be checked & corrected. Please submit the Approval documents & clarify the same.	<p>Application to CGWA has been submitted and in process.</p> <p>Revised Form-II is submitted with all corrections.</p> <p>The APCD dust is 0.80 TPD or 280 TPA. Inadvertently, it is written as 0.02TPD. Revised EIA & Form-II submitted.</p>

EDS reply submitted by the project proponent/complete dated 15.09.2020 was incomplete:

It has been observed that the consultant has closed the application online dated 15.09.2020 without submitting the reply of the observations raised through EDS on 11.08.2020 whereas, he has submitted the EDS reply which was neither asked nor relevant. Therefore, again the EDS was raised on 20.09.20, asking him to submit the reply of the EDS raised on 11.08.2020. Thereafter, following are the online EDS reply submitted by the consultant dated 22.09.2020:

S. No.	Observation	EDS replied submitted dated 22.09.2020
1.	In the EDS reply submitted dated 30.07.2020, at point no. 3 regarding CER activities, it has been observed that the proposed CER cost (Rs.10 Lacs) is	PP submitted that the project proponent will spend Rs. 10 lakhs for CER activities and the activities have not been revised.

	<p>on the expansion part only whereas, Project proponent has submitted application for EC for the whole project and also no EC has been obtained earlier for its existing capacity.</p> <p>a. Please submit the revised CER activities with revised budget w.r.t total cost of project (Rs. 24.25 Crore) as per MoEF OM dated 01.05.2018, with works of infrastructure creation only.</p>	
2.	<p>In the EDS reply submitted dated 30.07.2020, at point no. 4, regarding permission for ground water abstraction, PP has submitted request letter to EO, MC, Mandi Gobindgarh vide letter dated 3.07.2020 for permission to get only 6.5 KLD of treated waste water whereas, the actual water requirement for Cooling purpose & Green area development is of 79.75 KLD. Further, this unit is located in Notified block.</p> <p>a. Please submit the source and Quantity of treated waste water for utilization water for Cooling purpose & Green area development i.e 79.75 KLD from competent authority. Further, mention the distance of the unit from STP and mode of transport in the agreement/NOC.</p> <p>Further, PP has applied to DAC for abstraction of 12 KLD water for domestic use whereas, its domestic water requirement as per water balance diagram is 22.5 KLD</p> <p>b. Please Clarify from where the balance requirement will be fulfilled.</p>	<p>a. PP submitted that Water for Cooling purpose & Green area development i.e 79.75 KLD will be sourced from nearby ETP. The process of agreement is under progress.</p> <p>b. PP inform that for 12 KLD domestic water requirement application to DAC has been applied vide letter dated 25.02.2020 were as has not provided clarification for the balance 12.5 KLD domestic water requirement.</p>
3.	<p>Consultant has not submitted the following Specific TOR compliance:</p> <p>a. The project proponent shall submit the NOC from the PPCB as the site is located outside the master plan of Mandi Gobindgarh.</p> <p>b. Clarification regarding change of furnace in 2003 & 2014 is required to be provided.</p>	<p>a. PP has submitted letter form PPCB dated 17.10.2019 regarding issue of certificate that the project does not fall under critical polluted area .</p> <p>b. PP has submitted letter from MOEF dated 03.04.2012 regarding clarification that the unit will not required EC from MOEF for its existing production capacity of 45000 TPA as the unit was</p>

		established before the EIA the notification.
4.	<p>Consultant has submitted the master plan copy of Mandi Gobindgarh whereas; the project site is outside the limits of Mandi Gobindgarh. Further, in Form 2 at point no. 20 of Land use pattern, 3.345 Acre of land has been specified as Industrial.</p> <p>a. Please clarify the land use pattern of the project site with documentary proof (Industrial/Agriculture/any other)</p>	<p>a. PP submitted letter form DTP Fatehgarh Sahib dated 10.09.2020 regarding clarification on the land use pattern stating that CLU related guidelines were made applicable in the year 2007 whereas, the unit was setup before that. Further, if the unit proposes to expand in new land other than existing than it will be liable to obtain CLU for new land</p>
5.	<p>It has been observed that there are incompletions in the EIA report submitted despite of the fact that the checklist has already been shared with the consultant which is also not filled properly, therefore, the consultant is advised to ensure that the application should be complete in all respects & there should not be any misleading information while submitting & uploading EIA report/ EDS reply, Please make necessary changes in the relevant documents online/offline as per the EDS reply and checklist as well.</p> <p>a. Reason for submitting application with above shortcoming.</p>	<p>PP submitted that Relevant documents have been revised and the shortcoming happens inadvertently.</p>

3.0 Deliberations during the 193rd meeting of SEAC held on 26.09.2020

The meeting was attended by Sh. Varun Bansal, Director of the company and Mr. Sital Singh, Environmental Consultant, M/s CPTL, Mohali. Environmental Consultant of the promoter company presented the salient feature of the project before SEAC as under:-

S.no.	Description	Details
1.	Name of the project & Correspondence address	M/s Vimal Alloys (P) Ltd. Village- Sounti, Amloh road, Mandi Gobindgarh, District- Fatehgarh Sahib, Punjab.
2.	Online Proposal No.	SIA/PB/IND/37324/2018
3.	Nature of project	EC for existing & proposed project
4.	a) Category b) Activity	(a) Category- B1

		(b) Metallurgical Industries (ferrous & non ferrous) (8), Schedule 3(a) as per EIA notification-2006.		
5.	Total Project Cost (In Crores) :	Rs.24.25 Crore		
6.	Amount of EC Processing Fee deposited	Processing fee of Rs. 2,42,500/- (Rs. 2,18,250 vide NEFT no.N029200360775957 dated 29.01.2020. Additional Rs. 24,250/- has been submitted vide NEFT no. N050200374387317 dated 19.02.2020		
7.	Co-ordinates of all the corners of the project site	Point	Latitude	Longitude
		A	30°37'21.91"N	76°14'49.45"E
		B	30°37'18.53"N	76°14'41.52"E
		C	30°37'14.07"N	76°14'44.83"E
		D	30°37'13.55"N	76°14'48.01"E
8.	Plot Area Details	Sr. No	Description	Area (Sqm)
		1.	Total Land Area	33450
		2.	Covered Area	13233
		3.	Raw Material	2250
		4.	Finish Material	4150
		5.	Other Material	3435
		6.	Green Area	12500
		7.	Road Area	3650
		8.	Open Area	3350
		9.	Vehicle parking	515
9.	Type of project land as per master plan	Master plan of the area is yet to be prepared. The DTP, Fatehgarh Sahib vide letter no. 846 dated 10.09.2020, informed that industry is in operation since 1989 and the area of the industry as per the building plan approved time to time is 8.26 acres. No Government has		

		implemented the CLU in the year 2007 and if area of the site is increased then CLU for the additional land shall be obtained. Further, the industry shall abide provisions of the Master Plan which is under preparation.			
10.	Details of valid consent to operate under Air & Water Act	CTO Air/Water valid upto 31.03.2021			
11.	Raw material details:				
	Raw Material	Existing (TPA)	Additional (TPA)	Total (TPA)	
	M.S Scrap	46750	81,950	1,28,700	
	Ferro Alloys	900	1650	2550	
	Source & Mode of transport	From Domestic & as well as International Markets through covered trucks			
12.	Production Capacity details:				
	Product Name	Existing (TPA)	Additional (TPA)	Total (TPA)	
	Steel Ingots, Steel Casting Metal/Steel Roll, CI/SGI casting	43,050	74,550	1,17,600	
13.	Details of major productive machinery/plant:				
	S.No.	Description	Existing	Proposed	After Expansion
	1.	Induction Furnace	1 TPH, 4 TPH & 7 TPH	1X1 TPH & 2X15 TPH	1X1 TPH & 2X15 TPH
	2.	VD	01 No.	---	01 No.
	3.	LRF	01 No.	---	01 No.
	4.	AOD	01 No.	---	01 No.
	5.	Holding Furnace 15T	01 No.	---	01 No.
	6.	Heat Treatment Furnace	04 No.	---	04 No.

	7.	D.G. Set	---	250kVA-01 No.	250kVA- 01No.
	8.	O.T.E	01 No.	02 No.	03 No.
14.	Manpower requirement (After expansion)		250		
15.	Details of Emissions (After expansion)				
	S.No.	Source	No.	Fuel	APCD
	Existing				
	1.	Induction furnace	03	Electricity	Cyclone followed by Wet Scrubber
	2.	D.G. Set	---	HSD	Canopy and stack of adequate height
	After Expansion				
	1.	Induction Furnace	03	Electricity	Offline cleaning of pulsejet bag filter
	2.	D.G. Set 250kVA	01	HSD	Canopy & Stack of adequate height
16.	Hazardous/Non-Hazardous Waste Generation details & their storage, utilization and its disposal.				
	Hazardous Waste				
	S.No.	Hazardous Waste	Waste Category	Quantity	Disposal
	1.	Gas Cleaning Residue (APCD dust)	35.1	280 TPA	Agreement with M/s Madhav Alloys & also member of TSDF.
	2.	Used Oil	5.1	0.05kl/annum	Sold to authorized recyclers & also used in oiling of moulds & machineries.
17.	Solid Waste generation and its mode of disposal:				
	Waste	Source	Quantity	Potential Impact	

	APCD Dust	Induction Furnace	0.80TPD	Health Implication
	Sludge from Waste Water Treatment	STP	25.0 kg/d	No adverse environmental impact except little odor nuisance.
	Runner/Rise	Concast	5 TPD	No Impact, It is a recyclable material.
	Furnace Slag	Induction Furnace	22.4 TPD	No adverse impact. The There is in-house slag crushing plant from which dust is separated from Slag and re-used in side our factory premises only.
	Used Oil	DG sets	0.05 Kl/A	possibility of soil and water contamination due to spillage
	MSW from every day & Domestic @ 250gm/PPPD	Employees	62.5 kg/d	Health Implementation will be handling as per MSW-rules, 2016
18.	Waste water generation & its disposal Arrangement in Operation Phase:			
	Details	Existing Qty (KLD)	Proposed Quantity (KLD)	Total Quantity after expansion (KLD)
	Industrial Effluent	-	-	-
	Domestic effluent	14.4	3.6	18
				Through STP and used for plantation
19.	Details of the block in which the project site is located as per CGWA guideline		Notified Block	
20.	Breakup of Water Requirements & its source in Operation Phase:			
	S. No.	Description	Existing water demand (KLD)	Proposed water demand (KLD)
	1.	Domestic water	18.0	4.5
				Total water demand (KLD)
				22.5

		demand			
	2.	Make up water demand for cooling purpose	28.0	6.5	34.5
	Total		46.0	11.0	57.0
21.	Water balance chart for Summer, Rainy and Winter seasons				
	S. No.	Description	Existing water demand (KLD)	Proposed water demand (KLD)	Total water demand (KLD)
	1.	Domestic water demand	18.0	4.5	22.5
	2.	Make up water demand for cooling purpose	28.0	6.5	34.5
	Total		46.0	11.0	57.0
	Sources of water:				
	S. No.	Purposes	Source of water		
	1.	Domestic	Ground water after permission from DAC		
	2.	Make-up water demand for cooling	Treated waste water from nearby STP of MC		
	3.	Green Belt demand	Treated waste water from nearby STP of MC		
22.	Rain Water Harvesting proposal	47,475 m3 of rain water will be harvested by adopting pond at village Sounti.			
23.	Blockwise details of no. of trees to be planted in proposed greenbelt	Description	Area (m²)	No. of plants	
		Green area-1	6500	975	
		Green area-2	225	34	
		Green area-3	1340	201	
		Green area-4	255	38	
		Green area-5	750	112	
		Green area-6	330	49	

		Green area- 7	430	65		
		Green area- 8	670	100		
		Green area- 9	2000	300		
		Total	12500	1874		
24.	Energy requirements & savings:	The details of the energy are given below:				
	S. No.	Description	Unit	Existing	Proposed	Total
	1.	Power load	KW	6880	8000	14880
	2.	D.G sets-1	KVA	-	250	250
		Any other				
25.	EMP Budget details					
	S.No	Title	Capital Cost Rs. Lakh	Recurring Cost Rs. Lakh		
	i)	Pollution Control during construction stage	5.0	---		
	ii)	Air Pollution Control (Installation of APCD)	78.0	10.0		
	iii)	Water Pollution Control/Installation of APCD	20.0	0.5		
	iv)	Noise Pollution Control (Including cost of Landscaping, Green Belt)	5.0	2.5		
	v)	Solid Waste Management	5.0	0.5		
	vi)	Environment Monitoring and Management	5.0	0.5		
	vii)	Occupational Health, Safety and Risk Management	5.0	0.5		
	viii)	RWH	5.0	0.5		
	ix)	Miscellaneous	5.0	---		
		Total	133.0	15.0		
26.	Details of the activities proposed to be covered under CER					
	S.No	Activity	Capital Cost Rs. Lakh	Recurring Cost Rs. Lakh		

	i)	Providing Solar power plant of 10 KW	4.00	0.30
	ii)	Green belt development	3.00	0.20
	iii)	Distribution of school uniform	1.00	---
	iv)	RWH pits	2.00	0.50

During the meeting, following observations were made to which the project proponent replied as under:

Sr. No	Observation	Reply
1	What is the proposal for Rain Water utilizing inside the premises?	A 15 KLD storage tank of size 3m x 2.5 m x 2m will be constructed for the storage of rainwater in the industry premises to utilise the same for non-core industrial activities.
2.	NOC from village Panchayat regarding the pond adoption	A copy of the NOC obtained from the Sarpanch, Village Sounti regarding the adoption of village pond of Sounti was submitted and the same was taken on record by the SEAC.
3.	Submit revised EMP for green belt considering cost Rs.400 per tree	The project proponent submitted a revised plantation budget wherein capital cost of plantation has been proposed as 4.0 lacs and recurring cost from 1.0 lacs/ annum. A copy of the revised EMP was taken on record by the SEAC.
4.	Clarify regarding change of furnace in year 2003 & 2014	There is no change in machinery since year 2003.
5.	Being an expansion case, NOC from the CGWA for the existing unit be submitted.	The industry has applied to the District Advisory Committee for use of 23 KLD water for domestic purposes including existing and proposed domestic water requirements. Further, the industry will utilize treated waste water of 80 KLD from MC Mandi Gobindgarh for which NOC has already been obtained and submitted.
6.	Give details of green area water requirement	Total green area requirement is 45.25 KLD.

SEAC was satisfied with the presentation and reply given to the observation. SEAC took a copy of the presentation along with a reply on record.

5.0 Recommendations

After detailed deliberations, SEAC decided to award '**Silver Grading**' to the project proposal under category B2, Activity 3(a) and to forward the application to SEIAA with the recommendations to grant Environmental Clearance for expansion of existing steel manufacturing unit M/s Vimal Alloys Pvt. Ltd. having existing capacity of 43,050 TPA of steel Ingots / Castings to 1,17,600 TPA at Village Sounti, Amloh Road, Mandi Gobindgarh, Dist. Fatehgarh Sahib, as per the details mentioned in Form 2, EIA report & subsequent presentation /clarifications made by the project proponent & his consultant and conditions are as under:

I. Statutory compliance:

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

II. Air quality monitoring and preservation

- i. The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 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 system 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 Manual system to carryout Continuous 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 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 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. The project proponent shall adhere to 'Zero Liquid Discharge'.
- iii. Sewage Treatment Plant of capacity 25 KLD shall be provided for treatment of domestic wastewater to meet the prescribed standards.
- iv. 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
- v. The project proponent shall practice rainwater harvesting to maximum possible extent. For this a village ponds having volume @ 31650 m³ located at Village Sounti, Amlah road, Mandi Gobindgarh respectively shall be adopted for desilting to recharge the water @ 47475 m³/annum. 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 in different parts, the overflow of each chamber shall be allowed to enter into another chamber which will ultimately lead to purification of water and collected into 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.
- vi. 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.

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 12500 sqm (33 %) of the plant area with tree species in accordance with SEIAA guidelines. Total 1874 trees to be planted without accounting the shrubs shrubs and protect the same with tree guard made of concrete. The greenbelt shall inter alia cover the entire periphery of the plant to the maximum extent. The industry shall ensure that most of the periphery shall be provided with green belt by removing the unwanted/non-productive structures already provided in the existing project near the boundary wall.

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.
 - i. 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. Corporate Environment Responsibility

- i. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility. The project proponent shall adhere to the commitments made in the proposal for CER activities and spend atleast minimum amount of Rs.10.5 Lacs towards following CER activities:

Sr No	Activity	Environment Aspect	Cost (Rs Lacs)	Time line	
				Start	End
1.	Distribution of School Uniform & Books to BPL students	Education	2.0	March, 2022	--
2.	Development of Greenbelt by plantation inside the school premises. Repairing of Furniture & maintenance of toilets of school	Infrastructure & pollution control	3.5	June 2021	August 2021
3.	Repair & maintenance of boundary wall	Infrastructure	5.0	February 2021	April 2021
		Total	10.5 Lacs		

The amount to be spent on CER activities shall be proportionate to the amount spent on project & such activities shall run parallel to the project execution. All the activities must be completed with the completion of the project.

- ii. 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.

- iii. 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.
- iv. 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 not to be diverted for any other purpose. The project proponent shall spent minimum amount of Rs 133 Lacs towards the capital cost and Rs 15.3 Lacs/annum towards recurring cost including the Environmental monitoring cost for the implementation of EMP as proposed in the revised EMP plan as under: -

Sr. No	Title	Capital Cost Rs. Lakh	Recurring Cost Rs. Lakh
1.	Pollution Control during construction stage	5.0	---
2.	Air Pollution Control (Installation of APCD)	78.0	10.0
3.	Water Pollution Control/Installation of APCD	20.0	0.5
4.	Noise Pollution Control	1.0	0.5
5.	(Including cost of Landscaping, Green Belt)	4.0	2.30
6.	Solid Waste Management	5.0	0.5
7.	Environment Monitoring and Management	5.0	0.5
8.	Occupational Health, Safety and Risk Management	5.0	0.5
9	RWH	5.0	0.5
	Miscellaneous	5.0	---
	Total	133.0	15.3

Year-wise progress of implementation of action plan shall be reported to the Ministry/Regional Office 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 seven 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 State Expert Appraisal Committee and SEIAA.
- x. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
- xi. Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
- xii. The SEIAA/Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
- xiii. The SEIAA/ Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time-bound manner shall implement these conditions.
- xiv. The Regional Office of this Ministry and Punjab Pollution Control Board shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office and PPCB by furnishing the requisite data / information/monitoring reports.
- xv. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.
- xvi. Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

XII. Additional Specific Conditions decided during the meeting of SEAC

- i. The project proponent shall install site suction hood followed by the Pulse-Jet bag filter with offline cleaning technology as APCD on the two Induction Furnaces of capacity 15TPH each.

- ii. The project proponent shall install 24x7 continuous online SPM monitoring system at the inlet & outlet of APCD to monitor and achieve the suspended particulate matter (SPM) emission standards as prescribed by CPCB/SPCB.
- iii. The project proponent shall submit monthly summary report of continuous stack emission (inclusive of data of continuous SPM monitoring at inlet & outlet of APCD before stack) and air quality monitoring and results of manual stack monitoring and manual monitoring of air quality/ fugitive emissions to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.
- iv. The project proponent shall obtain the permission from District Advisory Committee (DAC) for the abstraction of ground water from its existing borewells to meet with the requirement of domestic and green areas.
- v. As proposed, the project proponent will meet the water requirement for industrial purpose @ 80 KLD from the treated wastewater from STP of MC, Mandi Gobindgarh.
- vi. The project proponent shall construct water storage tank of capacity 15 KL for collection of rainwater runoff generated from the rooftop within its premises and utilise the same for non-core activities of the industry.
- vii. The project proponent shall minimize the water consumption in the steel plant complex by segregation of used water, practicing cascade use and by recycling treated water.
- viii. The project proponent shall reuse of cooling tower blowdown, simultaneously ensuring the standards prescribed for such purge waters. If required, necessary arrangements shall be made to keep this waste stream within the parameters required for reuse.
- ix. The project proponent shall reserve land for loading or unloading of raw material, products, slag, hazardous waste as well as for storage of these materials and the area to be reserved for parking. The area to be reserved by considering the time required for loading and unloading of vehicles for respective activities and minimum/maximum period for which storage of the above material is required in the premises. The areas for the respective activities to be marked on the layout plan.
- x. The project proponent shall comply with the standard operating procedures and up-gradation of suction and control arrangement for the secondary emissions as prescribed by the State Pollution Control Board or by CPCB/MoEF&CC.
- xi. Whole of the vehicle movement area as well as the approach road to the gate /weighing bridge shall be paved with pucca/metalled / cement concrete road to control the dust emissions expected from the vehicle movement.

- xii. The vehicles to be used for loading/unloading purposes shall not be parked along the roadside to avoid traffic congestion and a dedicated parking place to be provided for the same.
- xiii. The project proponent shall adopt green technologies to conserve water and energy. Also, provide abrasive resistant fire bricks in the crucibles to reduce the periodic maintenance & disposal of discarded fire bricks.
- xiv. The project proponent shall use natural gas (if available) as substitute fuel wherever possible in the existing industry/ for the expansion project.
- xv. The project proponent shall take necessary action w.r.t. the following: -
 - a) Recovery of iron from slag before disposing of it.
 - b) Identify the areas for utilization of slag in a scientific manner and its usage in cement/construction industry/road laying etc.

Item No 193.10: Application for obtaining TOR under EIA notification dated 14.09.2006 for mining of minor minerals from river bed in the village Parjian Biharipur, Tehsil – Jagron, District Ludhiana, Punjab submitted by M/s Mahadev Enclave Private Limited. (Proposal No. SIA/PB/MIN/53311/2020)

Facts of the case are as under:-

M/s Mahadev Enclave Private Limited has applied for obtaining TOR under EIA notification dated 14.09.2006 for mining of minor minerals (Sand) from river bed in the revenue estate of village Parjian Biharipur, Tehsil – Jagron, District Ludhiana, Punjab on 23.05.2020. The project is covered under S.No. 1(a) of the Schedule appended to the said Notification.

Further, the said case was forwarded by SEIAA to SEAC on 14/07/2020 after scrutiny of the application and the updated status of the documents attached with the application is as under

**1.0 Status of documents attached with the application
(A) General**

i)	Name of Applicant & Correspondence address: Mobile No: Email ID:	M/s Mahadev Enclave Private Limited B-37 Ayodhaya Marg, Hanuman Nagar, Jaipur, Rajasthan +91 9780625432 avnit.kaushal@gmail.com
ii)	Name of Environmental Consultant Mobile No. Email ID	Eco Laboratories & Consultants Pvt. Ltd. 9814003103, 0172461622 consulteco@yahoo.com

(B) Details of the Documents

The project proponent submitted all the requisite documents as per the checklist of the mining case along with Form-02. The hard copy submitted by the project proponent was taken on record.

2.0 Deliberations during 191st meeting of SEAC held on 24.07.2020

The case was considered by SEAC in its 191st meeting held on 24.07.2020 and the same was attended by the following on behalf of the project proponent:

- (i) Sh. Manoj Kumar, Authorised signatory, on behalf of the project proponent.
- (ii) Ms. Simran Kaur, EIA coordinator, M/s Eco Laboratories and Consultants Pvt. Ltd., Mohali, Environment Consultant of the promoter company.

SEAC allowed the project proponent to present the salient features of the project and the Environment consultant of the promoter company presented the same as under:

S.No.	Item	Details		
1.	Online Proposal No.	SIA/PB/MIN/53311/2020		
2.	Project Name & Location	Sand Mining Project Village- Parjian Biharipur, Tehsil- Jagron, District- Ludhiana, Punjab by M/s Mahadev Enclave Private Limited		
3.	Project/activity covered under item of scheduled to the EIA Notification, 14.09.2006	1(a) Mining of Minor Minerals		
4.	Details of Mining Lease			
i)	Mineral (s) to be mined	Sand		
ii)	Capacity of Mine	5,34,852 TPA		
iii)	Mining Lease Area	37.0 Ha		
iv)	Details Letter of Intent (LOI)/E-Auction issued by the State Govt.	Memo No. MDM/Pb/E-Auction/2019 2231 Date of Issue: 30/05/2019 Validity of LOI: NA		
5.	Hadbast No.	181		
6.	Land Khasra No. & their consent details			
	Sr No	Type	Khasra No.	Consent details
	1	Govt. Land	-	-
	2	Private Land	24//23, 24, 25, 31//8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 32//1, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 33//4, 5, 6, 7, 11, 12, 13, 14,	Land NOC from owners submitted.

			15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25,34//22, 23,35//1,2, 36//19,22,37//1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 22, 23, 24, 25,	
7.	Latitude & Longitude			
	PIT 1			
	Pillar No.	Latitude	Longitude	
	1	30°58'25.12"N	75°26'44.21"E	
	2	30°58'25.14"N	75°26'51.62"E	
	3	30°58'23.25"N	75°26'51.76"E	
	4	30°58'23.30"N	75°26'56.72"E	
	5	30°58'27.09"N	75°26'56.80"E	
	6	30°58'27.16"N	75°27'1.89"E	
	7	30°58'28.87"N	75°27'1.86"E	
	8	30°58'29.00"N	75°27'9.39"E	
	9	30°58'23.36"N	75°27'9.39"E	
	10	30°58'23.25"N	75°27'16.88"E	
	11	30°58'27.07"N	75°27'17.06"E	
	12	30°58'27.15"N	75°27'21.98"E	
	13	30°58'17.37"N	75°27'22.08"E	
	14	30°58'17.05"N	75°27'9.56"E	
	15	30°58'7.51"N	75°27'9.36"E	
	16	30°58'7.63"N	75°26'59.31"E	
	17	30°58'9.69"N	75°26'59.32"E	
	18	30°58'9.56"N	75°26'56.80"E	
	19	30°58'17.15"N	75°26'56.76"E	
	20	30°58'17.40"N	75°26'44.08"E	
	PIT II			
	1	30°58'19.24"N	75°27'24.65"E	
	2	30°58'19.30"N	75°27'27.24"E	
	3	30°58'16.84"N	75°27'27.61"E	
	4	30°58'16.81"N	75°27'27.22"E	
	5	30°58'15.48"N	75°27'27.12"E	
	6	30°58'15.43"N	75°27'22.07"E	
	PIT III			
	1	30°58'11.32"N	75°27'11.95"E	
	2	30°58'11.34"N	75°27'14.46"E	
3	30°58'7.51"N	75°27'14.46"E		
4	30°58'7.52"N	75°27'11.99"E		
8.	Whether the project attracts the General Condition.	No protected area/critically polluted area/ Eco-sensitive area/inter-state/ UT Boundaries and International Boundary/ Severely Polluted Area falls within 5 km radius of the project site. Thus, general conditions are not applicable.		

9.	Does the project involve diversion of forest land? If yes, a. Extent of the forest land. b. Status of the forest clearance. If No, submit documentary proof	No. Letter from DFO Ludhiana has been obtained vide letter No.542 dated 03.06.2020.																																							
10.	Does the project fall within 10 km of eco-sensitive area/ National park/Wild Life Sanctuary? If yes, Status of NOC. If No, If No, submit documentary proof	No wildlife sanctuary/bird sanctuary falls within 10 km radius of the project site. As per the Google Map submit by the project proponent the Harike Bird Sanctuary falls at a distance of 50.16 KM.																																							
11.	Land requirement for the project	<p>Prior to the project proposal</p> <table border="1"> <thead> <tr> <th>Sr No.</th> <th>Ownership pattern</th> <th>Area in Ha.</th> </tr> </thead> <tbody> <tr> <td>i)</td> <td>Forest Land</td> <td>-</td> </tr> <tr> <td>ii)</td> <td>Private land</td> <td>37.0</td> </tr> <tr> <td>iii)</td> <td>Government land</td> <td>-</td> </tr> <tr> <td>iv)</td> <td>Revenue land</td> <td>-</td> </tr> <tr> <td>v)</td> <td>Other land</td> <td>-</td> </tr> <tr> <td>vi)</td> <td>Total land</td> <td>37.0</td> </tr> </tbody> </table> <p>Present Land use Break Up</p> <table border="1"> <thead> <tr> <th>Sr No.</th> <th>Land use</th> <th>Area in Ha.</th> </tr> </thead> <tbody> <tr> <td>i)</td> <td>Agriculture Area</td> <td>-</td> </tr> <tr> <td>ii)</td> <td>Waste/Barren Area</td> <td>-</td> </tr> <tr> <td>iii)</td> <td>Grazing/community Area</td> <td>-</td> </tr> <tr> <td>iv)</td> <td>Surface water Bodies</td> <td>-</td> </tr> <tr> <td>v)</td> <td>Other(Specify)</td> <td>37.0</td> </tr> </tbody> </table>	Sr No.	Ownership pattern	Area in Ha.	i)	Forest Land	-	ii)	Private land	37.0	iii)	Government land	-	iv)	Revenue land	-	v)	Other land	-	vi)	Total land	37.0	Sr No.	Land use	Area in Ha.	i)	Agriculture Area	-	ii)	Waste/Barren Area	-	iii)	Grazing/community Area	-	iv)	Surface water Bodies	-	v)	Other(Specify)	37.0
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v)	Other(Specify)	37.0																																							
12.	Cost of the project	Rs. 4.47 Crores																																							
13.	Environmental Clearance. Fee details	Rs. 18,500/- Vide NEFT No. 5038781085 Dated 12.05.2020																																							
14.	Details of Final District Survey Report	Approved by:- Not Approved Mining Lease Area: 37.0 Ha. Mining Quantity: 5,34,852 TPA Mining Depth: 1 m																																							
15.	Details of visit report of Sub Divisional Level Committee	Not submitted																																							
16.	Details of Mining Plan	Approved by:-State Geologist (Department of Mines and Geology, Punjab) Approval Letter No.:Glg/Pb/M.P./2020/ Parjian Biharipur/309 Date of Approval: 11.03.2020 Approved Mining Lease Area: 37.0Ha. Approved Mining Quantity: 5,34,852 TPA Depth of Mining (m): 1 m																																							
17.	Demarcation report of mining site	Date of demarcation: - 15.10.2019 No.s of Burjis made: - Nil Photographs submitted: Yes																																							

18.	Workers (when fully operational)	40 Persons.
19.	Water Requirements & source	Domestic: 1.60 KLD Dust Suppression: 1.50 KLD Total: 3.10 KLD Ground water/Others: Source is water tanker .
20.	Waste water generation, Treatment & its Disposal	i) Quantity of Waste water :1.2 KLD (80% of water requirement) ii) Treatment Method: Septic Tank iii) Mode of Disposal: Plantation purpose
21.	Solid waste generation and its disposal	Solid waste @8kg /day will be generated which will be disposed to the dump site of the nearest village.
22.	Green Belt Development Plan including no. of trees to be planted & its species.	Will be submitted at the time of submission EIA/EMP report.
23.	Environment Management Plan along with Budgetary breakup and responsibility to implement	Will be submitted at the time of submission EIA/EMP report.
24.	CER activities along with budgetary break-up and responsibility to implement Mr. Kartik Rathi (Director) of M/s. Mahadev Enclave Private Limited will be responsible for implementation of Corporate Environmental Responsibility (CER). As the project cost is Rs. 4.47 Crores; thus, Rs. 8.94 Lacs have been reserved for CER activities as per Office Memorandum of CER dated 01.05.2018. It was proposed to spent on the followings: - i. Rs. 6.50 lac for providing drinking water facility, Toilets, Furniture and maintenance of school building in Government Primary School, in village Gounsual, Punjab ii. Rs. 2.44 lac for Maintenance of Transportation route connecting Project site	
25.	Other important facts i) During the lease period, the deposit will be worked from the top surface to 3 m below ground level or above ground water table, whichever comes first. ii) No court case/litigation is pending before any court of Law against the project and/or land in which the project is proposed to be set up. iii) All mitigation measures for each activity to be undertaken during the mining operation to minimize adverse environmental impacts as recommended in the sand mining guidelines, 2016 & Enforcement & Monitoring Guidelines for Sand Mining, 2020. iv) Compliance with various environmental regulations shall be ensured. v) Mining will be carried out as per the terms and conditions of the Auction notice no MDM/Pb/E-auction/2019/2231 dated 30.05.2019 issued by Department of Mines & Geology, Government of Punjab. vi) Extent of Mechanization The mining shall be performed using a semi-mechanized method as per approved mine plan and Punjab Minor Mineral rules 2013. vii) Benefits of Semi mechanized method Semi mechanized method, involving minimal use of machinery and optimal no. of workers if allowed can provide the following benefits: a. Reduced duration of exposure to negative impacts of mining.	

	<p>b. Reduced production of sewage and solid waste at the project site to be treated.</p> <p>c. Reduced nuisance to the villagers.</p> <p>d. Feasibility to extract the required quantity and supply raw material to market to curb black marketing of minor minerals and support to the construction industry in the region.</p> <p>e. Reduced social menace which may be caused due to large no. of laborers, in case of completely manual operation.</p>
viii)	The operation will be done only from sunrise to sunset hence there will be no power requirement for the project at the site.
ix)	An undertaking has been submitted to the effect that no Cluster formation of mining site exists as no other mining site falls within a radius of 500 m from the periphery of the proposed site.

SEAC asked the project proponent and his Environmental Consultant to clarify the following observations to which he replied as under: -

Sr. No.	Observations	Reply submitted by the project proponent and his Environmental Consultant
1.	Whether Final District Survey Report (DSR) has been approved?	The project proponent intimated that the DSR has been revised by the DEIAA. However, no formal letter has been issued by the DC, Ludhiana to the Mining Department in this regard. Further, Sh. Paras Mahajan, Assistant Geologist informed the committee that the earlier DSR was having the name of this site. As such, no where it has been specified that the DSR should be mentioning the Khasra numbers. Thus, the older DSR be accepted for issuing of ToRs to the project proponent. Sh. Manoj Bansal, Executive Engineer, Department of Mines submitted a copy of the revised DSR signed by the Executive Engineer, Department of Mines, Ferozepur. He assured that the revised DSR letter will be obtained from DC, Ludhiana at the earliest in this regard. He also intimated the committee that the revised DSR had been uploaded by the DC Ludhiana in his website, which was checked online.
2.	Whether permission from DFO has been obtained?	The project proponent submitted that the permission has been obtained from the DFO Ludhiana vide letter no. 542

		dated 30.06.2020 and showed the same to the committee.
3.	Whether the report from Sub Divisional Committee has been obtained regarding suitability of the site for mining?	The project proponent showed a copy of the Sub Divisional Committee regarding suitability of the site. However, the said report was not bearing any date. To this observation the project proponent intimated that the e-Auction of the mines is carried out only after report from the Sub Divisional Committee and since the auction has already been carried out, it would be possible only after the proper report from the Sub Divisional Committee. SEAC agreed to the same.
4.	The project proponent is required to get the hydrogeological survey of the existing water level done and also required to submit the impact on the water level regime due to the project. This report is required to be submitted at the time of submission of the EIA report.	The project proponent agreed to the same.
5.	The project proponent is required to submit a report regarding the preservation of topsoil excavated during the mining process at the time of submission of the EIA report.	The project proponent agreed to the same.

SEAC was satisfied with the presentation and reply given to the observation. SEAC took a copy of the presentation along with a reply on record.

3.0 Recommendation of SEAC

After deliberations, SEAC decided to forward the application of the project proponent to SEIAA with the recommendations to issue Terms of Reference for mining of minor minerals (Sand) on river bed located in the revenue estate of village Parjian Biharipur, Tehsil Jagraon, District Ludhiana, Punjab submitted by M/s Mahadev Enclave Private Limited, as per Annexure-I of the proceedings and the following additional ToRs:

1. The project proponent shall submit the revised approved DSR endorsed by the DC, Ludhiana clearly mentioning the Khasra Numbers of the site at the time of submission of the EIA report.
2. The project proponent is required to get the hydrogeological survey of the existing water level done and to submit the impact on the water level regime due to the project. This report is required to be submitted at the time of submission of the EIA report.

3. The project proponent is required to submit a report regarding the preservation of topsoil excavated during the mining process at the time of submission of the EIA report.
4. The project proponent shall submit the route plan for transporting the minor minerals from the project site. The vehicles should not pass through the river bed.

4.0 Deliberations during 168th meeting of SEIAA held on 07.08.2020

The case was placed before in its 168th meeting held on 07.08.2020 and the same was attended by the following: -

1. Sh. Manoj Kumar, Authorized Signatory of the promoter company.
2. Ms. Simran Kaur, EIA coordinator, M/s Eco Laboratories Pvt. Ltd. Mohali

Before allowing the presentation to the EIA coordinator, SEIAA observed that some of the Khasra nos mentioned in the agenda note are shown to owned by private persons. However, as per the copies of Jamabandi attached, same belong to the Central Govt.

SEIAA also perused the KML file attached online and observed that the mining site has not been marked over it. However, when the EIA consultant presented another file, it was observed that most of the Khasra nos. of the mining site fall in the instream of the river.

After detailed deliberations, SEIAA decided as under:

- i) Case be remanded to SEAC for re-examination w.r.t ownership of the land, consent of the owners of the land, the area falling in the instream of the river and calculation of the production capacity of Mine.
- ii) Environmental consultant be asked to upload the KML file of the mining site on the web portal and explain his position why the same has not been uploaded earlier.

In compliance to the decision taken at (i), case is placed before SEAC for re-examination.

5.0 Deliberations during 192nd meeting of SEIAA held on 07.08.2020

The case was considered by SEAC in its 192nd meeting held on 01.09.2020. The meeting was attended by the following on behalf of the project proponent:

- i) Sh. Manoj Kumar, Authorized Signatory, through Video Conference.
- ii) Ms. Simranjit Kaur Nagi, EIA Coordinator, M/s Eco Laboratories & Consultants Pvt. Ltd., Mohali, Environmental Consultant of the Project Proponent.

SEAC observed that SEIAA has remanded back the case subject to certain queries which are given as under:

- i) Case be remanded to SEAC for re-examination w.r.t ownership of the land, consent of the owners of the land, the area falling in the instream of the river and calculation of the production capacity of Mine.

- ii) Environmental consultant be asked to upload the KML file of the mining site on the web portal and explain his position why the same has not been uploaded earlier.

SEAC observed that the project needs to be examined thoroughly and due to paucity of time, SEAC decided to defer the matter and decided that the matter shall be placed in the next meeting of the Committee.

6.0 Deliberations during 193rd meeting of SEAC held on 26.09.2020

The case was considered by SEAC in its 193rd meeting held on 26.09.2020 and the same was attended by the following on behalf of the project proponent:

- (i) Sh. Deepak Kumar on behalf of the project proponent.
- (ii) Ms. Simran Kaur, EIA coordinator, M/s Eco Laboratories and Consultants Pvt. Ltd., Mohali, Environment Consultant of the promoter company.

To a query of ownership of the land, consent of the owners of the land, the area falling in the instream of the river and calculation of the production capacity of Mine, the Environment consultant of the promoter company submitted that Khasra No. 24//23, 24, 25, 33//4, 5, 6,12, 37//8, 9, 10,12,25 belongs to Central Government for which the custodian is mining department. The remaining Khasra Nos belongs to Private Individuals. Khasra No. 31//10,11,12, 18,19,20, 21,22,23,24 i.e. approx. 4.0 Ha. of land out of total area of 37.0 Ha. falls under the instream of the river and no mining will be done in this area. The detail of the calculation of the production capacity after deduction the 4.0 ha area is calculated as under:-

- | | |
|---|--------------------------------------|
| (i) Total mineable area considered is | 3,30,156 sq.m. (33.0 Ha.) |
| (ii) Mineable Reserve (tonnes/year) : | Mineable Area * Depth * Bulk Density |
| | = 3,30,156 x1x1.8 |
| (iii) Mineable Reserve | = 5,94,280 TPA |
| (iv) Recoverable Mineable Reserves
(90% of Mineable Reserve) | = 5,34,852 TPA |

To another query, it was informed that earlier, inadvertently they have uploaded the kml file of single point of Parjian Biharipur on the web portal but as asked by SEIAA in the 168th meeting held on 07.08.2020, now all the pits have been merged in single kml file and submitted to SEAC. A copy of the same was taken on record by the SEAC.

7.0 Recommendation of SEAC

After detail deliberations, SEAC decided to forward the application of the project proponent to SEIAA with the recommendation to issue Terms of Reference for mining of minor minerals (Sand) @ 5,34,582 TPA from 33 ha minable area on river bed located in the revenue estate of village Parjian Biharipur, Tehsil Jagraon, District Ludhiana, Punjab submitted by M/s Mahadev Enclave Private Limited, as under: -

Standard Terms of Reference (TOR) for Mining Project

- 1) Submit dully filled checklist with the application of environmental clearance.
- 2) Deposit the requisite fee as per Notification No. 10/167/2013-STE(5)/1510178

dated 27.06.2019 issued by the Govt. of Punjab, Department of Science, Technology, and Environment

- 3) Project Proponent is required to conduct public hearing in light of the OM dated 12.12.2018 issued by MoEF. The draft EIA-EMP report shall be submitted to the Punjab Pollution Control Board of the concerned State for the conduct of Public Hearing. The PPCB shall conduct the Public Hearing/public consultation, district-wise, as per the provisions of EIA notification, 2006. The Public Hearing shall be chaired by an Officer, not below the rank of Additional District Magistrate.
- 4) Submission of Final District survey report, containing apart from other details as mentioned in the guidelines of 2016, specifically including the following points:
 - a) Recommendation regarding Environmentally safe depth of mining, safe distance from banks and suitability of site for mining or prohibition thereof, duly signed by the members of the Sub Divisional Committee comprising of Sub-Divisional Magistrate, Officers from Irrigation Department, State Pollution Control Board or Committee, Forest department, Geology or mining officer.
 - b) Replenishment study for the river bed cases.
 - 5) No use of semi-mechanized/mechanized method shall be allowed as Standard EC conditions provided in the Guidelines, 2016 provided that manual method of mining shall be preferred over any other method.
 - 6) The Project proponent shall provide the exact coordinates of all the corners of the site and the shortest distance of mining site from the followings: -
 - a. Protected area notified under the Wildlife (Protection) Act, 1972.
 - b. Critically Polluted areas as identified by the Central Pollution Control Board from time to time,
 - c. Eco-sensitive areas as notified under section 3 of the Environment (Protection) Act, 1986,
 - d. Inter-State boundaries and international boundaries.
- 5) *Submit a copy of visit report of Sub Divisional committee comprising of Sub-Divisional Magistrate, Officers from Irrigation Department, State Pollution Control Board or Committee, Forest department, Geology or mining officer indicating the recommendation regarding the Environmentally safe depth of mining, a safe distance from banks and suitability of the site for mining or prohibition thereof as per the Sustainable Sand Mining Management Guidelines, (SSMMG)-2016 issued by MOEF&CC.*
- 6) *Demarcation of the mining site in the presence of the Revenue officer, Mining officer, Lambardar, project proponent/ contractor, owner of the land and owners of the adjoining land and submission of the demarcation report duly signed by them.*
- 9) *Submit complete transportation plan giving detailed procedure (details of route plan to be followed by trucks transporting minor minerals with traffic volume data etc.)*
- 10) Submit a copy of ownership of land such as copy of latest jamabandi and consent of all the owner of land.
- 11) A copy of Mining Plan duly approved by the State Geologist
- 12) Submit the contour plan showing river bed level, water level and present surface

- levels at various cross sections etc.
- 13) Red line to be marked on the x-sections in case riverbed mining.
 - 14) Submit 1.0 Km radius map of the area from periphery of project site clearly indicating the physical features.
 - 15) Submit an undertaking to the effect that there is no other mine within 500 m. radius from the periphery of this site.
 - 16) Submit photographs of the mining site taken from all the four sides mentioning the coordinates of the project.
 - 17) Mining lay out plan showing key distances of the mining site from the various features such as river bank, active channels, bundh and other structures in the vicinity, if any, drawn on portion of 'Aks Sajra' of the mining site, so as to ensure that minimum statutory distances are maintained. The route map to be followed should also be marked on the layout plan.
 - 18) Submit Corporate Environment Responsibility (CER) Plan as per the OM dated 01.05.2018
 - 19) The project proponent is required to get the hydrogeological survey of the existing water level done and to submit the impact on the water level regime due to the project. This report is required to be submitted at the time of submission of the EIA report.
 - 20) The project proponent is required to submit a report regarding the preservation of topsoil excavated during the mining process at the time of submission of the EIA report.
 - 21) Year-wise production details since 1994 should be given, clearly stating the highest production achieved in any one year prior to 1994. It may also be categorically informed whether there had been any increase in production after the EIA Notification 1994 came into force, w.r.t. the highest production achieved prior to 1994.
 - 22) Submit a copy of the document in support of the fact that the Proponent is the rightful lessee of the mine such as letter of Intent (LOI) from the State government /Allotment letter of mining site etc.
 - 23) All documents including approved mine plan, EIA and Public Hearing should be compatible with one another in terms of the mine lease area, production levels, waste generation and its management, mining technology etc. and should be in the name of the lessee.
 - 24) All corner coordinates of the mine lease area, superimposed on a High-Resolution Imagery/toposheet, topographic sheet, geomorphology and geology of the area should be provided. Such an Imagery of the proposed area should clearly show the land use and other ecological features of the study area (core and buffer zone).
 - 25) Information should be provided in Survey of India Toposheet in 1:50,000 scale indicating geological map of the area, geomorphology of land forms of the area, existing minerals and mining history of the area, important water bodies, streams and rivers and soil characteristics.
 - 26) Details about the land proposed for mining activities should be given with information as to whether mining conforms to the land use policy of the State; land diversion for mining should have approval from State land use board or the

- concerned authority.
- 27) It should be clearly stated whether the proponent Company has a well laid down Environment Policy approved by its Board of Directors? If so, it may be spelt out in the EIA Report with description of the prescribed operating process/procedures to bring into focus any infringement/deviation/violation of the environmental or forest norms/ conditions? The hierarchical system or administrative order of the Company to deal with the environmental issues and for ensuring compliance with the EC conditions may also be given. The 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, may also be detailed in the proposed safeguard measures in each case should also be provided.
 - 28) Issues relating to Mine Safety, including subsidence study in case of underground mining and slope study in case of open cast mining should be detailed. The proposed safeguard measures in each case should also be provided.
 - 29) The study area will comprise of 10 km zone around the mine lease from lease periphery and the data contained in the EIA such as waste generation etc. should be for the life of the mine / lease period.
 - 30) Land use of the study area delineating forest area, agricultural land, grazing land, wildlife sanctuary, national park, migratory routes of fauna, water bodies, human settlements and other ecological features should be indicated. Land use plan of the mine lease area should be prepared to encompass preoperational, operational and post operational phases and submitted. Impact, if any, of change of land use should be given.
 - 31) Details of the land for any Over Burden Dumps outside the mine lease, such as extent of land area, distance from mine lease, its land use, R&R issues, if any, should be given.
 - 32) A Certificate from the Competent Authority in the State Forest Department should be provided, confirming the involvement of forest land, if any, in the project area. In the event of any contrary claim by the Project Proponent regarding the status of forests, the site may be inspected by the State Forest Department along with the Regional Office of the Ministry to ascertain the status of forests, based on which, the Certificate in this regard as mentioned above be issued. In all such cases, it would be desirable for representative of the State Forest Department to assist the Expert Appraisal Committees.
 - 33) Status of forestry clearance for the broken-up area and virgin forestland involved in the Project including deposition of net present value (NPV) and compensatory afforestation (CA) should be indicated. A copy of the forestry clearance should also be furnished.
 - 34) Implementation status of recognition of forest rights under the Scheduled Tribes and other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 should be indicated.
 - 35) The vegetation in the RF / PF areas in the study area, with necessary details, should be given.
 - 36) A study shall be got done to ascertain the impact of the Mining Project on wildlife

- of the study area and details furnished. Impact of the project on the wildlife in the surrounding and any other protected area and accordingly, detailed mitigative measures required, should be worked out with cost implications and submitted.
- 37) Location of National Parks, Sanctuaries, Biosphere Reserves, Wildlife Corridors, Ramsar site Tiger/Elephant Reserves/(existing as well as proposed), if any, within 10 km of the mine lease should be clearly indicated, supported by a location map duly authenticated by Chief Wildlife Warden. Necessary clearance, as may be applicable to such projects due to proximity of the ecologically sensitive areas as mentioned above, should be obtained from the Standing Committee of National Board of Wildlife and copy furnished.
 - 38) A detailed biological study of the study area [core zone and buffer zone (10 km radius of the periphery of the mine lease)] shall be carried out. Details of flora and fauna, endangered, endemic and RET Species duly authenticated, separately for core and buffer zone should be furnished based on such primary field survey, clearly indicating the Schedule of the fauna present. In case of any scheduled-I fauna found in the study area, the necessary plan alongwith budgetary provisions for their conservation should be prepared in consultation with State Forest and Wildlife Department and details furnished. Necessary allocation of funds for implementing the same should be made as part of the project cost.
 - 39) Proximity to Areas declared as 'Critically Polluted' or the Project areas attracting court restrictions for mining operations, should also be indicated and where so required, clearance certifications from the prescribed Authorities, such as the SPCB or State Mining Dept. Should be secured and furnished to the effect that the proposed mining activities could be considered.
 - 40) R&R Plan/compensation details for the Project Affected People (PAP) should be furnished. While preparing the R&R Plan, the relevant State/National Rehabilitation & Resettlement Policy should be kept in view. In respect of SCs /STs and other weaker sections of the society in the study area, a need based sample survey, family-wise, should be undertaken to assess their requirements, and action programmes prepared and submitted accordingly, integrating the sectoral programmes of line departments of the State Government. It may be clearly brought out whether the village(s) located in the mine lease area will be shifted or not. The issues relating to shifting of village(s) including their R&R and socio-economic aspects should be discussed in the Report.
 - 41) One season (non-monsoon) [i.e. March - May (Summer Season); October - December (post monsoon season); December - February (winter season)] primary baseline data on ambient air quality as per CPCB Notification of 2009, water quality, noise level, soil and flora and fauna shall be collected and the AAQ and other data so compiled presented date-wise in the EIA and EMP Report. Site-specific meteorological data should also be collected. The location of the monitoring stations should be such as to represent whole of the study area and justified keeping in view the pre-dominant downwind direction and location of sensitive receptors. There should be at least one monitoring station within 500 m of the mine lease in the pre-dominant downwind direction. The mineralogical composition of PM10, particularly for free silica, should be given.

- 42) Air quality modeling should be carried out for prediction of impact of the project on the air quality of the area. It should also take into account the impact of movement of vehicles for transportation of mineral. The details of the model used and input parameters used for modelling should be provided. The air quality contours may be shown on a location map clearly indicating the location of the site, location of sensitive receptors, if any, and the habitation. The wind roses showing pre-dominant wind direction may also be indicated on the map.
- 43) The water requirement for the Project, its availability, source and zone should be furnished. A detailed water balance should also be provided. Fresh water requirement for the Project should be indicated.
- 44) Necessary clearance from the Competent Authority for drawl of requisite quantity of water for the Project should be provided.
- 45) Description of water conservation measures proposed to be adopted in the Project should be given. Details of rainwater harvesting proposed in the Project, if any, should be provided.
- 46) Impact of the Project on the water quality, both surface and groundwater, should be assessed and necessary safeguard measures, if any required, should be provided.
- 47) Based on actual monitored data, it may clearly be shown whether working will intersect groundwater. Necessary data and documentation in this regard may be provided. In case the working will intersect groundwater table, a detailed Hydro Geological Study should be undertaken and Report furnished. The Report inter-alia, shall include details of the aquifers present and impact of mining activities on these aquifers. Necessary permission from Central Ground Water Authority for working below ground water and for pumping of ground water should also be obtained and copy furnished.
- 48) Details of any stream, seasonal or otherwise, passing through the lease area and modification / diversion proposed, if any, and the impact of the same on the hydrology should be.
- 49) Information on site elevation, working depth, groundwater table etc. Should be provided both in AMSL and BGL. A schematic diagram may also be provided for the same.
- 50) A time bound Progressive Greenbelt Development Plan shall be prepared in a tabular form (indicating the linear and quantitative coverage, plant species and time frame) and submitted, keeping in mind, the same will have to be executed up front on commencement of the Project. Phase-wise plan of plantation and compensatory afforestation should be charted clearly indicating the area to be covered under plantation and the species to be planted. The details of plantation already done should be given. The plant species selected for green belt should have greater ecological value and should be of good utility value to the local population with emphasis on local and native species and the species which are tolerant to pollution.
- 51) Impact on local transport infrastructure due to the Project should be indicated. Projected increase in truck traffic as a result of the Project in the present road network (including those outside the Project area) should be worked out, indicating whether it is capable of handling the incremental load. Arrangement

for improving the infrastructure, if contemplated (including action to be taken by other agencies such as State Government) should be covered. Project Proponent shall conduct Impact of Transportation study as per Indian Road Congress Guidelines.

- 52) Details of the onsite shelter and facilities to be provided to the mine workers should be included in the EIA Report.
- 53) Conceptual post mining land use and Reclamation and Restoration of mined out areas (with plans and with adequate number of sections) should be given in the EIA report.
- 54) Occupational Health impacts of the Project should be anticipated and the proposed preventive measures spelt out in detail. Details of pre-placement medical examination and periodical medical examination schedules should be incorporated in the EMP. The project specific occupational health mitigation measures with required facilities proposed in the mining area may be detailed.
- 55) Public health implications of the Project and related activities for the population in the impact zone should be systematically evaluated and the proposed remedial measures should be detailed along with budgetary allocations.
- 56) Measures of socio economic significance and influence to the local community proposed to be provided by the Project Proponent should be indicated. As far as possible, quantitative dimensions may be given with time frames for implementation.
- 57) Detailed environmental management plan (EMP) to mitigate the environmental impacts which, should inter-alia include the impacts of change of land use, loss of agricultural and grazing land, if any, occupational health impacts besides other impacts specific to the proposed Project.
- 58) Public Hearing points raised and commitment of the Project Proponent on the same along with time bound Action Plan with budgetary provisions to implement the same should be provided and also incorporated in the final EIA/EMP Report of the Project.
- 59) Submit an undertaking to the effect that no litigation/court case is pending before any court of law against the project and/or on land in which mining is to be carried out else submit the details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
- 60) The cost of the Project (capital cost and recurring cost) as well as the cost towards implementation of EMP should be clearly spelt out.
- 61) A Disaster Management Plan shall be prepared and included in the EIA/EMP Report.
- 62) Benefits of the Project if the Project is implemented should be spelt out. The benefits of the Project shall clearly indicate environmental, social, economic, employment potential, etc.
- 63) Besides the above, the below mentioned general points are also to be followed:
 -
 - i) The EIA document shall be printed on both sides, as far as possible.
 - ii) All documents to be properly referenced with index and continuous page numbering.
 - iii) The copy of the letter received from the Ministry / SEIAA shall be also attached

- as an annexure to the final EIA-EMP Report.
- iv) Where data are presented in the Report especially in Tables, the period in which the data were collected and the sources should be indicated.
 - v) Project Proponent shall enclose all the analysis/testing reports of water, air, soil, noise etc. using the MoEF&CC/NABL accredited laboratories. All the original analysis/testing reports should be available during appraisal of the Project.
 - vi) Where the documents provided are in a language other than English, an English translation should be provided.
 - vii) The Questionnaire for environmental appraisal of mining projects as devised earlier by the Ministry shall also be filled and submitted.
 - viii) While preparing the EIA report, the instructions for the Proponents and instructions for the Consultants issued by MoEF vide O.M. No. J- 11013/41/2006-IA.II (I) dated 4th August, 2009, which are available on the website of this Ministry, should be followed.
 - ix) Changes, if any made in the basic scope and project parameters (as submitted in Form-I and the PFR for securing the TOR) should be brought to the attention of MoEF&CC with reasons for such changes and permission should be sought, as the TOR may also have to be altered. Post Public Hearing changes in structure and content of the draft EIA/EMP (other than modifications arising out of the P.H. process) will entail conducting the PH again with the revised documentation.
 - x) As per the circular no. J-11011/618/2010-IA. II (I) dated 30.5.2012, certified report of the status of compliance of the conditions stipulated in the environment clearance for the existing operations of the project, should be obtained from the Regional Office of Ministry of Environment, Forest and Climate Change, as may be applicable.
 - xi) The EIA report should also include
 - (i) surface plan of the area indicating contours of main topographic features, drainage and mining area,
 - (ii) geological maps and sections and
 - (iii) Sections of the mine pit and external dumps, if any, clearly showing the land features of the adjoining area.
 - xii) Submit a copy of the presentation in PPT format along with application.
- 64) The 'Terms of Reference' (TORs) prescribed will be valid for a period of three years from its issuance. The final EIA report shall be submitted to the SEIAA, Punjab for obtaining environmental clearance.

Additional TORs

1. The project proponent shall submit the revised approved DSR endorsed by the DC, Ludhiana clearly mentioning the Khasra Numbers of the site at the time of submission of the EIA report.
2. The project proponent is required to get the hydrogeological survey of the existing water level done and to submit the impact on the water level regime due to the project. This report is required to be submitted at the time of submission of the EIA report.

3. The project proponent is required to submit a report regarding the preservation of topsoil excavated during the mining process at the time of submission of the EIA report.
4. The project proponent shall submit the route plan for transporting the minor minerals from the project site. The vehicles should not pass through the river bed.

Item No 193.11 Application for issuance of TOR for obtaining Environmental Clearance under EIA notification dated 14.09.2006 for the establishment of Mega Residential Project "The Palm" located at Villages Mullanpur Garibdas, Dhanauran & Mastgarh, New Chandigarh, Mohali, S.A.S Nagar, Punjab by M/s Manohar Infrastructure & Constructions Pvt. Ltd. (Proposal No. SIA/PB/NCP/34917/2019).

Facts of the case are as under:-

1.0 Background

The project proponent has applied for issuance of TORs for obtaining Environmental Clearance under EIA notification dated 14.09.2006 for establishment of Mega Residential Project "The Palm" located at Villages Mullanpur Garibdas, Dhanauran & Mastgarh, New Chandigarh, Mohali, S.A.S Nagar, Punjab.

Environmental Engineer, PPCB, Nodal Office, Mohali was requested vide email dated 14.10.2019 and again on 16.02.2020 to send the construction status of the project site. However, the report is yet awaited. SEAC was apprised that the Environmental Engineer, PPCB, Nodal Office, Mohali vide letter no. 1235 dated 19.02.2020 has sent the latest status report and the contents of the letter are reproduced as under:

"In reference to your e-mail under reference, it is intimated that the site of the subject cited project was visited by AEE of this office on 12.02.2020 and Mr. Pawan Sharma, Architect of the project site was contacted and it was observed as under:

1. That the project is adjoining to the already existing project Curo North Square, Village Mullanpur, Garibdass by M/s Curo India Pvt., Limited at the front side of the project.
2. The project proponent had earlier obtained NOC for the project vide no. CTE/Exp/SAS/2018/7069127 dated 23.05.2018 valid upto 31.03.2020 for an area of 192.459 acres (net planned area 118.04 acre) having 862 residential plots, 11 public building, EWS flats in an area of 6.84 acre and commercial area of 2.04 acre with the conditions that:-
 - (a) *The promoter shall ensure the compliance of provisions (including providing of 15 meter green belt towards air pollution industries) contained in notification no. 3/6/07-STE(4)2274 dated 25.07.2008 notified by the Government regarding siting policy/guidelines for the establishment of residential colonies, commercial establishments like shopping malls, multiplexes in the State of Punjab, before starting any development/construction activities at the site.*

- (b) *The promoter shall immediately stop construction activities in the township and restart only after obtaining environmental clearance under the provision of the EIA Notification dated 14.09.2006.*
- (c) *The promoter shall submit the approved layout plan for the total area before starting any construction/development activities in the additional area of 74.4 acres.*
3. About 50 plots owned by individuals are either under construction or have been constructed. Further, 34 plots having G+2 configuration are being constructed by the promoter company. However, all of this construction has taken place in the land for which the earlier layout plan was approved. In the land added by the promoter company, no construction activity has been started and only the boundary wall has been constructed in few plots.

As per the boundary limits site shown by the representative of the promoter company during the visit, there is no MAH industry within a radius of 250 m from the boundary of the proposed site of the project. There is no rice sheller/ saila plan/stone crushing/ screening cum washing unit/ hot mix plant within a radius of 100m from the boundary of the project. There is a brick kiln namely M/s Dilbagh Singh brick kiln, village Mullanpur, the boundary of which is located at a distance of about 60m from the boundary of the residential project, as such, the promoter company is required to provide 15m green belt of the broadleaf trees towards the said brick kiln, to comply with the stipulations of the order dated 25.07.2008 as amended on 30.10.2009. Further, the Board while sending comments to the Department of Housing and Urban Development vide letter no. 1409 dated 10.03.2016, had also imposed a condition that the promoter company shall develop 15 m green belt of broadleaf trees towards the brick kiln namely M/s Dilbagh Singh brick kiln, village Mullanpur, to attenuate the air pollution being generated from this brick kiln.

This is for information and further necessary action please."

1.1 Deliberation during 187th meeting held on 26.02.2020

The case was considered by SEAC in its 187th meeting held on 26.02.2020. The meeting was attended by the following on behalf of the project proponent:

- i) Sh.Surinder Talwar, Manager, on behalf of the promoter company.
- ii) Ms. Priyanka Madan, M/s Eco Laboratories and Consultants Pvt. Ltd.

SEAC was apprised that as per the visit report sent by EE, Mohali, no construction has been started by the project proponent for the proposal for which expansion has been sought. Thereafter, SEAC allowed the Project proponent to present the salient features of the project and the Environmental Consultant of the same presented as under:

S.No.	Item	Details
1.	Online Proposal No.	SIA/PB/NCP/34917/2019
2.	Name and Location of the project	Mega Residential Project "The Palm" Villages Mullanpur Garibdas, Dhanauran & Mastgarh, New Chandigarh, Mohali, S.A.S Nagar, Punjab developed by M/s Manohar Infrastructure & Constructions Pvt. Ltd.
3.	Latitude & Longitude	Corners coordinates A: 30.464307 N & 76.435618 E B: 30.470816 N & 76.435250 E C: 30.474981 N & 76.447546 E D: 30.475319 N & 76.445784 E E: 30.470424 N & 76.452656 E
4.	Project/activity covered under item of scheduled to the EIA Notification, 14.09.2006	S.No. 8(b); 'Township and Area Development'
5.	Whether the project is in critical polluted area or not.	No
6.	Does the project involve the diversion of forest land?	No. Project does not involve any diversion of forest land.
7.	Does the project covered under PLPA, 1900, if No but located near to the PLPA area then the project proponent is required to submit NOC from the concerned DFO to the effect that project area does not fall under the provision of PLPA Act,1900.	The project is not covered under PLPA 1900. However, NOC has also been obtained from DFO, S.A.S Nagar for the complete project.
8.	If the project falls within 10 km of eco-sensitive area/ National park/Wild Life Sanctuary. If yes, a. Name of eco-sensitive area/ National park/Wild Life Sanctuary and distance from the project site. b. Status of clearance from the National Board for Wild Life (NBWL).	Sukhna Wildlife Sanctuary and City Bird Sanctuary are located at a distance of 5.6 km and 6.8 km respectively from the project location and application has been submitted for NBWL clearance.
9.	Classification / Land use pattern as per Master Plan	Residential zone as per the Master plan of Mullanpur.

		CLU was obtained for 131.55 acres of land and later on, additional CLU of 60.909 acres has been obtained						
10.	Cost of the project	Rs. 914.20 Crores						
11.	Total Plot Area, Built-up Area, and Green area	The details of the project are as under:						
		Sr. No.	Description	Area				
		1.	Plot area (Total scheme area)	6,11,439.536 m ² (or 151.09 acres)				
		2.	Built-up area	8,53,320.49 m ²				
		3.	Green area	34,034.0625 m ²				
12.	EC fee details	Rs 213330/- Vide R. No 4365 dated 03.10.2019 submitted through DD No 040438 dated 07.09.2019						
13.	Population (when fully operational)	Estimated population: 21,200 Persons.						
14.	Water Requirements & source in Construction Phase	20KLD of water will be required during the construction phase which will be met by Private water tankers.						
15.	Breakup of Water Requirements & source in Operation Phase (Summer, Rainy, Winter):							
	S. No.	Season	Freshwater		Reuse water		Total (KLD)	
			Domestic (KLD)	Others (KLD)	Flushing (KLD)	Green area (KLD)	HVAC (KLD)	
	1.	Summer	1,847	-	924	187	-	2,958
	2.	Winter	1,847	-	924	61	-	2,832
	3.	Rainy	1,847	-	924	17	-	2,788
	S.No.	Description			Source of water			
	1.	Domestic			Groundwater			
	2.	Flushing purposes			Treated wastewater			
	3.	Green area			Treated wastewater			
16.	Treatment & Disposal arrangements of wastewater in Construction Phase	Mobile STP of capacity of 10 KLD Treated water from mobile STP will be 8 KLD out of which 3 KLD will be used for dust suppression and 5 KLD will be used for the green area of 506 sqm						
17.	Disposal Arrangement of Wastewater in Operation Phase	Total wastewater generation will be 2,598 KLD which will be treated in proposed STP of 3 MLD based on MBBR technology to be installed						

		<p>within project premises. The details of the breakup of the utilization of wastewater is as under:-</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Season</th> <th>Flushing (KLD)</th> <th>Green area (KLD)</th> <th>MC Sewer (KLD)</th> </tr> </thead> <tbody> <tr> <td>Summer</td> <td>924</td> <td>187</td> <td>1,243</td> </tr> <tr> <td>Winter</td> <td>924</td> <td>61</td> <td>1,369</td> </tr> <tr> <td>Monsoon</td> <td>924</td> <td>17</td> <td>1,137</td> </tr> </tbody> </table>	Season	Flushing (KLD)	Green area (KLD)	MC Sewer (KLD)	Summer	924	187	1,243	Winter	924	61	1,369	Monsoon	924	17	1,137
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Summer	924	187	1,243															
Winter	924	61	1,369															
Monsoon	924	17	1,137															
18.	Rainwater recharging detail	16,467 m ³ /hr of rainwater will be collected in 132 no. of recharging pits with 172 overall bores which will be provided.																
19.	Solid waste generation and its disposal	<p>a) 8,279 kg/day</p> <p>b) Solid waste will be duly segregated (at source by providing bins) into recyclable, Bio-degradable Components and non-bio-degradable.</p> <p>c) 3,725 kg/day of Bio-degradable will be processed by 4 Mechanical composters of size 1000 kg each.</p> <p>d) 4,387 kg/day recyclable waste will be sold to authorized recyclers.</p> <p>e) Inert waste will be dumped to a designated dumping site</p>																
20.	Hazardous Waste&E- Waste	<p>Used oil from DG sets will be sold to registered recyclers.</p> <p>E-waste will be disposed of as per the E-waste(Management) Amendment Rules 2018.</p>																
21.	Energy Requirements & Saving	<p>a) 11,888 KW from PSPCL.</p> <p>b) 2 x 62.5 KVA capacity each (silent DG sets)</p> <p><u>Energy-saving measures:</u></p> <p>a) LEDs will be used in place of CFL</p> <p>b) Solar lights will be used for lighting the streets</p>																
21.	CER activities along with budgetary break-up and responsibility to implement																	
<p>Mr. Tarinder Singh will be responsible for the implementation of the CSR activities. The estimated cost of the project is Rs. 914.20 Crores; out of which; Rs. 514.29 Crores have been incurred till 31.03.2019. Thus, Rs. 2 Crores (@ 0.50% of remaining cost i.e. Rs. 399.91) is required for C.E.R activities as per Office Memorandum vide F. No. 22-65/ 2017-IA.III dated 01.05.2018. However, Rs. 1 Crore has been spent on CSR. The following</p>																		

activities have been proposed to be covered under CER				
S.No.	CER Activities	Fund allocated (Lakhs)	Time schedule	
			Start	Completed
1.	Maintenance of School Building, Construction of Toilets, and Installation of RO system at Govt. Senior Secondary School, Mullanpur Garibdass.	85	After Grant of EC	7 Years
2.	Adoption of pond in Village Mastgarh	30	After Grant of EC	7 Years
3.	Installation of solar lights in Villages of Mastgarh and Mullanpur Garibdass	15	After Grant of EC	7 Years
4.	Health Facilities like provision of ambulance, wheelchairs and health checkup camps in nearby villages	50	After Grant of EC	7 Years
5.	Promoting tree plantation & maintenance in nearby surrounding areas	20	After Grant of EC	7 Years
	Total	200		

SEAC raised following queries to the project proponent and the project proponent replied as under:

Sr. No.	Observations	Reply submitted by the project proponent
1.	What is the present construction status?	Construction work on about 50 plots is undergoing. The said plots are part of the project for which previous Environmental Clearance was obtained.
2.	Whether any proposal has been made regarding the Environmental Management Plan?	The same will be submitted at the time of application for obtaining Environmental Clearance.

SEAC took a copy of the presentation given by the project proponent and his environmental consultant on record.

3.0 Recommendations of SEAC

After detailed deliberations, SEAC decided to recommend SEIAA as under:

- 1) To issue Terms of References (ToRs) for obtaining Environmental Clearance under EIA notification dated 14.09.2006 for the establishment of Mega Residential Project "The Palm" located at Villages Mullanpur Garibdas, Dhanauran & Mastgarh, New Chandigarh, Mohali, S.A.S Nagar, Punjab as per the Annexure-II of the proceedings

of SEAC and additional TORs as under:-

- 28) Submit the layout plan of the project after making the provision of 15m green belt of the broadleaf trees towards the brick kiln (M/s Dilbagh Brick kiln), in compliance with Govt. Notification dated 25.07.2008 as amended on 30.10.2009.
- 2) Northern Regional Office, MoEF Chandigarh be requested to send compliance report of the conditions of Environmental Clearance granted to the project proponent earlier in compliance to the OM dated 07.09.2017

4.0 Deliberations during 163rd meeting of SEIAA held on 29.05.2020

The meeting was attended by the following through online video conference:

- i) Sh. S.K Talwar, Manager of the promotor company.
- ii) Dr. Sandeep Garg, EIA Coordinator, M/s ECO Laboratories & Consultants Pvt. Ltd.

SEIAA perused the report sent by Environmental Engineer vide letter no. 1235 dated 19.02.2020 and observed that as per the said report 50 plots owned by individuals were either under construction or had been constructed. Also, 34 plots having G+2 configuration were being constructed by the promoter company. As per the report, all of this construction had taken place in the land for which the earlier layout plan was approved. In the land added by the promoter company, no construction activity was started and only the boundary wall was constructed in a few plots.

SEIAA observed that project was never accorded Environmental Clearance in the past and the construction had already been carried out at various location within the existing project site and MoEF&CC, New Delhi vide letter dated 25.03.2019 had clarified that as on date, projects with a land area less than 50 ha but built-up area more than 20,000 sqm may be appraised as per the provisions of schedule 8(a) of the EIA notification, 2006 as amended from time to time. As such, why the project is not to be considered a violation case.

In reply, the project proponent submitted as under: -

- i) Initially, CLU was obtained vide memo no 1151 CTP (Pb) SP-432 (M) dated 25.03.2015 for an area of 112.04 acres and vide Memo No. 1142 CTP (PB) SP-432(M) dated 25.03.2015 for an area of 19.51 acres i.e total area 131.55 acres of land; out of which, the net planned area was 118.04 acres (or 47.77 Ha), which was less than 50 Ha for which EC is not applicable. Subsequently, Consent to Establish was obtained from PPCB for net planned area of 118.04 acres comprising of 11 nos. of Public Buildings, Plots @ 862 nos., Commercial area 2.04 acres and EWS 6.84 acres vide application No. 2971554 dated 30.11.2015. CTE extension was granted for the project vide Certificate no. CTE/Ext/SAS/2017/5075196 valid till 29.11.2017

- ii) Later on, CLU was obtained vide Memo No. 1027 CTP(PB) SP-432(M) dated 15.03.2017 for additional 60.909 acres of land. Also, CTE for expansion was obtained for a total area of 192.459 acres for development work including construction of 34 Residential plots having a built-up area of 17,301.84 sqm vide Certificate No. CTE/Exp/SAS/2018/7069127 dated 23.05.2018 valid up to 31.03.2020 and further extended up to 30.6.2020.
- iii) He submitted a letter no 2515 dated 03.06.2016 issued by SEIAA and informed that SEIAA had already accepted their request regarding the withdrawal of Environmental Clearance application for the Area Development Project "The Palms" (Proposal No. SIA/PB/NCP/3715/2015) subject to the special condition that the project shall apply afresh for obtaining environmental clearance under EIA Notification 14.09.2006 If, the plot area is though less than 50 hectares but the total built-up area of individual houses/projects combined together based on permissible ground coverage and FAR exceeds the threshold limit of 1.5 lacs sqm on the project site. A copy of the said letter submitted by the project proponent was taken on record.
- iv) Now, the overall project has a net planned area of 139.20 acres (or 56.33 Ha) which is more than 50 ha, thus, the project falls under Schedule 8(b) Category 'B1' and requires EIA study as per EIA Notification, 2006 and its amendments

SEIAA was not satisfied with the reply of the project proponent. NOC granted by the PPCB is subject to the condition that the promoter shall immediately stop construction activities in the township and restart only after obtaining environmental clearance under the provision of the EIA Notification dated 14.09.2006.

SEIAA observed that the issue of the violation of the existing project is required to be properly examined by the SEAC in light of the report sent by the PPCB, latest clarification given by the MOEF&CC on 25.03.2019 and reply submitted by the Project proponent.

After deliberations, SEIAA decided to remand the case to SEAC for examining in light of the aforesaid observation.

5.0 Deliberations during 190th meeting of SEIAA held on 27.06.2020

The case was considered by SEAC in its 190th meeting held on 27.06.2020 through video conference and was attended by the following:

1. Sh. S.K Talwar, Manager of the promoter company.
2. Sh. Sandeep Garg, EIA Co-ordinator, M/s Eco Laboratories & Consultants Pvt. Ltd.

SEAC was apprised that earlier the project proponent had applied for obtaining environmental clearance for its project vide proposal no. SIA/PB/NCP/3715/2015. However, at that time the project proponent requested the SEIAA for withdrawal of the said application.

The contention of the project proponent at the time of withdrawal of the older application was that the total plot area of the project was less than 50 hectares and built-up area less than 150000 sqm. Therefore, the project does not fall in the category of 8(b) i.e. Township & Area Development Project and thus, the project did not require Environmental Clearance.

SEIAA in its 107th meeting held on 27.05.2016 observed that earlier SEIAA and SEAC in its 10th combined meeting had decided that all such projects whose plot area may be less than 50 hectares but the total built-up area of individual houses/projects though less than 20,000 sqm for a single project but the total built-up area based on permissible ground coverage and FAR exceeds the threshold limit of 1,50,000 sqm on the area development project site, then the said area development project is also covered under provisions of EIA Notification, 2006.

In light of the said fact, after deliberations, SEIAA decided to allow the project proponent to withdraw his application for obtaining environmental clearance under EIA notification, 2006 for area development project namely “The Palms” in the revenue estate of Village Mullanpur Garibdas, Dhanauran & Mastgarh, Distt. SAS Nagar subject to a special condition that the project proponent shall apply afresh for obtaining environmental clearance under EIA notification, 2006 if, the plot area is though less than 50 hectares but the total built-up area of individual houses/projects combined together based on permissible ground coverage and FAR exceeds the threshold limit of 1,50,000 sqm on the project site.

Accordingly, the said application submitted by the project proponent was treated as withdrawn vide letter no. 2515 dated 03.06.2016.

SEAC was apprised that a clarification was received from the MoEF&CC vide letter no.22-8/2019-IA-III dated 25.03.2019, wherein it was clarified that as on date, projects with a land area less than 50 ha but built-up area more than 20,000 sqm may be appraised as per the provisions of schedule 8(a) of the EIA notification,2006 as amended from time to time.

SEAC was further apprised that the Environmental Engineer, Punjab Pollution Control Board, Regional Office, Mohali vide letter no. 1235 dated 19.02.2020 had submitted the latest construction status of the project as under:

1. PPCB had granted NOC to the project proponent vide letter no. CTE/Exp/SAS/2018/7069127 dated 23.05.2018 valid up to 31.03.2020 for an area of 192.459 acres (net planned area 118.04 acre) having 862 residential plots, 11 public building, EWS flats in an area of 6.84 acre and commercial area of 2.04 acre subject to one of the conditions that the promoter shall immediately stop construction activities in the township and restart only after obtaining environmental clearance under the provision of the EIA Notification dated 14.09.2006.
2. About 50 plots owned by individuals were either under construction or had been constructed. Further, 34 plots having G+2 configurations were being constructed by the promoter company. However, all of this construction had taken place in the land for which the earlier layout plan was approved. In the land added by the

promoter company, no construction activity had been started and only the boundary wall had been constructed in few plots.

SEAC observed the following observations: -

- i) As per MoEF Clarification dated 25.03.2019, projects with land area less than 50 ha but the built-up area and more than 20,000 sqm may be appraised as per the provisions of schedule 8(a) of the EIA notification,2006 as amended from time to time.
- ii) The promoter company was granted NOC by the PPCB subject to the condition that he will stop the construction and restart only after obtaining environmental clearance under the provision of the EIA Notification dated 14.09.2006.
- iii) As per NOC granted by the Board, the promoter company was required to obtain Environmental Clearance for the project. Further, it was also clear that the project proponent was carrying out construction activities at the time of the grant of NOC by the PPCB.
- iv) The project proponent had carried out a significant amount of construction at the site without obtaining prior Environmental Clearance.

In view of the above facts, SEAC observed that the case falls in the category of a violation case. However, before arriving at the conclusion, SEAC felt that the project proponent be asked to submit the following information within 15 days: -

- i) Details of the application submitted for obtaining the Environmental Clearance having proposal no. SIA/PB/NCP/3715/2015 mentioning total land area & built-up area of all the proposed units considering the FAR allowed to the project.
- ii) Details of the application submitted for the Environmental Clearance having proposal no. SIA/PB/NCP/34917/2019 mentioning the total land area & built-up area of all the proposed units considering the FAR allowed to the project.
- iii) Submit the comparison between the aforesaid projects.
- iv) Explain why the project proponent had not applied for obtaining Environmental Clearance after withdrawal of proposal no. SIA/PB/NCP/3715/2015.
- v) Clarify that how the existing project as well as proposed expansion project is not in violation of the EIA Notification14.09.2006 considering the FAR allowed to the project, in view of the clarification received from MoEF vide their letter dated 25.03.2019 stating that projects with a land area less than 50 ha but built-up area more than 20,000 sqm may be appraised as per the provisions of schedule 8(a) of the EIA notification,2006 as amended from time to time.

6.0 Recommendation of SEAC

After detailed deliberations, SEAC decided to defer the case and ask the project proponent to submit the reply to the aforesaid observations.

Accordingly, the decision of SEAC was conveyed to the project proponent through online ADS (additional detail sought) facility available on the web portal. The project proponent submitted the reply to the ADS and same was annexed as Annexure-A of the agenda.

7.0 Deliberations during 192nd meeting of SEAC held on 01.09.2020

The case was considered by SEAC in its 192nd meeting held on 01.09.2020. The meeting was attended by the following on behalf of the project proponent:

- i) Sh. Manoj Kumar, Authorized Signatory, through Video Conference.
- ii) Dr. Sandeep Garg, EIA Coordinator, M/s Eco Laboratories & Consultants Pvt. Ltd., Mohali, Environmental Consultant of the Project Proponent.

SEAC went through the reply of the project proponent submitted to the observations raised earlier by it. SEAC observed as under:-

- i) The project proponent has not submitted the built-up area of the project for the earlier applied EC which was allowed to be withdrawn by SEIAA on 03.06.2016.
- ii) The project proponent submitted that the Environmental Clearance was not required as the net planned area was less than 50 ha. However, the project proponent did not submit the revised application for the Environmental Clearance on the basis of total built-up area, if, the built-up area of the individual houses/projects combined together based on permissible ground coverage and FAR exceeds the threshold limit of 1,50,000 sqm, as per the special condition of the withdrawal letter issued by SEIAA on 03.06.2016.
- iii) Also, from the clarification of MoEF&CC dated 25.03.2019, the projects with land area less than 50 ha but the built-up area more than 20,000 sqm may be appraised as per the provisions of schedule 8(a) of the EIA notification, 2006 as amended from the time to time.

SEAC felt that at this stage, it was important to first ascertain as to whether the project proponent was in violation of the EIA Notification 14.09.2006 at the time of grant of NOC from PPCB after considering the MoEF Clarification dated 25.03.2019, which requires detailed examination regarding FAR based calculation to be considered or not in the 8(b) projects as a policy matter.

After detailed deliberations, SEAC decided to defer the case as it requires in-depth study and be placed in the next meeting of SEAC.

7.0 Deliberations during 193rd meeting of SEAC held on 26.02.2020

The case was considered by SEAC in its 193rd meeting held on 26.02.2020. The meeting was attended by the following on behalf of the project proponent:

- i) Sh. Surinder Talwar, Manager, on behalf of the promoter company.
- ii) Sh. Sandeep Garg, EIA Coordinator from M/s Eco Laboratories and Consultants Pvt. Ltd.

Environmental consultant of the promoter company submitted a representation to the Secretary, SEAC vide letter dated 25.09.2020. SEAC examine the said representation and place it on the record. The matter was deliberated in length and SEAC observed as under:

- i) The SEIAA in the 107th meeting held on 27.05.2016 allowed the withdrawal of the old proposal of the project proponent with a condition that "the project shall apply afresh for obtaining environmental clearance under EIA Notification 14.09.2006 If, the plot area is though less than 50 hectares but the total built-up area of individual houses/projects combined together based on permissible ground coverage and FAR exceeds the threshold limit of 1.5 lacs sqm on the project site."

The said conditions was imposed as per the decision of 10th combined meeting of SEIAA and SEAC held on 13.05.2016

The decision of SEIAA was conveyed vide letter No. 2515 dated 03.06.2016 to the project proponent. However, the project proponent did not submit the application of environmental clearance.

- ii) SEIAA vide letter no. SEIAA/2019/248 dated 15.02.2017 sought clarification from the Northern Regional Office of MoEF&CC Chandigarh regarding Item 8 projects (Building or Construction projects or Area Development Projects and Townships) under Environment Impact Assessment Notification, 2006- to which Regional Office forward a copy of the letter no. 22-8/2019-IA-III dated 25.03.2019 of the Ministry to SEIAA, Punjab, wherein MoEF&CC, New Delhi has clarified that as on date, projects with land area less than 50 ha but built-up area more than 20,000 sqm may be appraised as per the provisions of schedule 8 (a) of the EIA notification, 2006 as amended from time to time.

- iii) While granting NOC by the PPCB to the project proponent vide letter no. CTE/Exp/SAS/2018/7069127 dated 23.05.2018 for an area of 192.459 acres (net planned area 118.04 acre) having 862 residential plots, 11 public building, EWS flats in an area of 6.84 acre and commercial area of 2.04 acre, PPCB had imposed condition that the promoter shall immediately stop construction activities in the township and restart only after obtaining environmental clearance under the provision of the EIA Notification dated 14.09.2006.

- iv) The project proponent submitted application for obtaining Environmental Clearance on 17.04.2019 for revised proposal (SIA/PB/NCP/34917/2019).

- v) Environmental Engineer, Punjab Pollution Control Board, Regional Office, Mohali vide letter no. 1235 dated 19.02.2020 has reported the latest construction status of the project as under:-

"About 50 plots owned by individuals were either under construction or had been constructed. Further, 34 plots having G+2 configurations were being constructed by the promoter company. However, all of this construction had taken place in the land for which the earlier layout plan was approved. In the land added by the promoter company, no construction activity had been started and only the boundary wall had been constructed in few plots".

- vi) The SEAC in its 190th meeting held on 27.06.2020 asked the project proponent to submit the built-up area of all the proposed units considering the FAR allowed to

the project of its old proposal (SIA/PB/NCP/3715/2015). However, intentionally the project proponent has not submitted the same.

8.0) Recommendation

In view of above observations and after due deliberations, the SEAC is of the opinion that the project proponent was in violation of EC Guidelines at the time of withdrawal of its application and further during the grant of NOC by the PPCB on 23.05.2018, as the built-up area of earlier proposal, on the basis of FAR proposed for the new proposal, works out to be more than 1,50,000 sqm. As such, further action may be taken by SEIAA in this case accordingly.

Item No. 193.12: Application for issuance of TORs for carrying out EIA study for obtaining Environmental Clearance under EIA notification dated 14.09.2006 for expansion of a Group Housing Project namely "Mona Green" located at VIP Road, Village Bishanpura, Near Zirakpur, Distt. S.A.S. Nagar by M/s Mona Township Pvt. Ltd. (Proposal no. SIA/PB/NCP/22972/2018)

Facts of the case are as under:-

1.0 Background

Earlier, M/s Mona Township Pvt. Ltd. was granted Environmental Clearance vide letter number SEIAA/2014/5946 dated 24.01.2014 for construction of a Group Housing Project namely "Mona Greens" having a built-up area of 31,093.13 sqm in the total plot area of 3.92 acres located at VIP Road, Village Bishanpura, Near Zirakpur, Distt., S.A.S. Nagar, subject to the certain conditions by SEIAA, Punjab.

The project proponent submitted that the built-up area mentioned in the Environmental clearance is 31093.13 Sqm and whereas the consultant has not taken the basement area in the application submitted earlier for obtaining environmental clearance. Thus, there are some changes in the built-up area i.e. 31537 Sqm plus basement area 9998 Sqm (Total Built-up area 41516 Sqm). The project has already completed and when they applied for the completion, it has been suggested that environmental clearance should be got revised.

As per the amended notification vide No S.O. 804 (E) dated 14-03-2017, violation cases even of category "B" projects which are granted Environmental Clearance by SEIAA appraised for the grant' of Environmental Clearance only by the EAC and granted at the central level.

Accordingly, they had applied online application for issuance of Terms of Reference for obtaining Environmental Clearance to MOEF&CC vide proposal no IA/PB/NCP/69187/2017 on 13/09/2017.

MoEF&CC issued amended notification dated 08.03.2018 and the gist of relevant paras (2), (4) and (5) of the notification, is reproduced as under: -

Para (2) For category B projects, the appraisal, and approval thereof shall vest with the State or Union territory level Expert Appraisal Committees and State or Union territory Environment Impact Assessment Authorities in different States and Union territories, constituted under sub-section (3) of section 3 of the Environment (Protection) Act, 1986.

Para (4) The cases of violations will be appraised with a view to assess that the project has been constructed at a site which under prevailing laws is permissible and expansion has been done which can run sustainably under compliance of environmental norms with adequate environmental safeguards, and in case, where the findings of Expert Appraisal Committee for projects under category A or State or Union territory level Expert Appraisal Committee for projects under category B is negative, closure of the project will be recommended along with other actions under the law.

Para (5) In case, where the findings of the Expert Appraisal Committee or State or Union territory level Expert Appraisal Committee on point at sub-paragraph (4) above are affirmative, the projects will be granted the appropriate Terms of Reference for undertaking Environment Impact Assessment and preparation of Environment Management Plan and the Expert Appraisal Committee or State or Union territory level Expert Appraisal Committee, will prescribe specific Terms of Reference for the project on assessment of ecological damage, remediation plan and natural and community resource augmentation plan.

In view of the above, MoEF&CC has transferred the project to SEIAA vide proposal no. SIA/PB/NCP/22972/2018 on 28.03.2018.

Deliberation during 167th meeting of SEAC held on 26.05.2018

The matter was considered by SEAC in its 167th meeting held on 26.05.2018 wherein the SEAC was apprised that project proponent has not yet submitted a hard copy of the application after acceptance of its online application as stipulated vide MoEF OM No. J-11013/49/2014-IA.I dated 06/06/2014.

After detailed deliberations, SEAC decided to defer the case and ask the project proponent to submit a hard copy of the application. Till such time his case will not be taken up for consideration. Accordingly, ADS was raised online on 14.06.2018.

Thereafter, notice was issued to the project for delisting the case vide no. 918 dated 29/10/2019

Deliberation during 185th meeting of SEAC held on 29.11.2019

The case was considered by SEAC in its 185th meeting held on 29.11.2019, which was attended by the authorized representative on behalf of the project proponent. SEAC was apprised that the project is a violation case and was applied in the window given by MoEF vide notification dated 14.03.2017. SEAC was further apprised that as per the clause 3 of the said notification in cases of violation, action will be taken against the project proponent by the respective State Pollution Control Board under the provisions of section 15 & 16 read with section 19 of the Environment (Protection) Act, 1986 and further, no consent to operate or occupancy certificate will be issued till the project is granted the Environmental Clearance.

The representative of the project proponent informed SEAC that due to some pressing circumstances the project proponent was not in a position to present the case in the meeting and requested to consider the case in the next meeting.

SEAC raised the following observations to the project proponent:

1. As to whether a hard copy of the application/Complete Proposal along with a list of persons responsible for the violation has been submitted.
2. As to whether the project has been constructed at a site which under prevailing law is permissible. if yes, has the project proponent submitted any documentary proof in this regard.
3. Whether permission has been obtained for the abstraction of the groundwater from the CGWA or not?
4. Whether any specific ToRs for the project on assessment of ecological damage, remediation plan and natural and community resources augmentation plan have been submitted?

To the above observations, the project proponent sought time to comply with the said observations.

After detailed deliberations, SEAC decided to accept the request of the project proponent, to defer the case, and the same be placed in the next meeting after getting the reply from the project proponent.

The observations were conveyed to the project proponent vide letter no 1430 dated 03.02.2020. However, no reply has been received from the project proponent, to date.

2.0 Present Case

2.1 Summary of the project

The project proponent submitted the application for TOR along with the summary of the project and EMP and detail of the project is given as under:

S.No.	Item	Details
1	Name & Location of the project	Expansion of a Group Housing Project namely "Mona Green" located at VIP Road, Village Bishanpura, Near Zirakpur, Distt. S.A.S. Nagar
2	Project/activity covered under item of scheduled to the EIA Notification,14.09.2006	8(a) 'Building & Construction Project'
3	Copy of the Master plan duly marked with the project site	Not Submitted. However, exiting project of M/s Mona Township Pvt. Ltd. had already granted Environmental Clearance vide letter number SEIAA/2014/5946 dated 24.01.2014 for construction of a Group Housing Project namely "Mona Greens" having a built-up area of 31,093.13 sqm in the total plot area of 3.92 acres
4	Pre-feasibility report as per Ministry of Environment & Forests, Circular dated 30.12.2010.	Not submitted
5.	Proof of ownership of land	Not Submitted
6.	Copy of Memorandum of Article & Association/partnership deed /undertaking of sole proprietorship/list of Directors and names of other persons responsible for managing the day-to-day affairs of the project.	Not Submitted
7	Proposed ToRs (based on the standard ToRs)	Submitted
8	Does it attract the general condition? If yes, please specify	No
9	Whether the proposal involves approval/clearance under the Forest (Conservation)Act,1980	No
10	Does the project cover under PLPA, 1900	No
11	Whether the proposal involves approval/clearance under the Wildlife (Protection)Act, 1972?.	No

12	Classification/Land use pattern as per Master Plan	The project site is located at Gazipur, Zirakpur. The land for the proposed project conforms to the land use as per the Master plan		
13	Cost of the project	59 Crores.		
14.	TORs Fee details	NA as the application submitted on 13.09.2017 i.e. before the date of Notification 27.06.2019		
15.	Total Plot Area, Built-up Area and Green area			
	DESCRIPTION	EXISTING	ADDITIONAL *	TOTAL
	Total Area	15863 sqm	-	15863 sqm
	Built-up Area	31093 sqm	264+ 9998	41516 sqm
	Flats	283	21	304
	* Note: Some changes of 264 sqm i.e. (31357-31093) and basement of 9998 sqm, which was not considered at the time of Environmental Clearance.			
16.	Source of water supply	Ground Water (Tubewell)		
17.	Total water demand	207 KLD		
18.	Waste Water generation	165 KLD Treatment:-STP of 175 KLD Capacity		
19.	Effluent utilization	Recycled Water-82 KLD, i) Uses- Flushing-68 KLD, ii) Plantation & Irrigation-14KLD		
20.	Rainwater harvesting	Rooftop rainwater of buildings will be collected in 4 RWH tanks of total 100 KLD capacity for harvesting after filtration		
21	Air pollution control	Chimney on DG sets		
22	Solid waste	About 0.611 TPD solid waste will be generated in the project. The biodegradable waste will be sent to the approved site and the non-biodegradable waste generated will be handed over to the authorized local vendor		
23	Hazardous waste	Used oil will be stored in HDPE drums and kept in covered rooms under lock and key and will be sold as per EPA		

		Rules to approved recyclers only
22.	Energy Requirements & Saving	<p>i) The total power requirement during operation phase is 2800 KW and will be met from PSPCL, Punjab</p> <p>ii) Proposed energy-saving measures would save about 18 % of power</p>

2.1 Complete details of the case are summarised as under:

1	Proposal No	SIA/PB/NCP/22972/2018
2	Date of submission of application	13.09.2017
3	Date of acceptance of application	22.05.2018
4	Last meeting of SEAC in which case was considered	167 th meeting held on 26.05.2018
5	Observations	As mentioned above
6	Date of ADS	14.06.2018
7	Details of notice issued, if any	Issued vide no. 918 dated 29/10/2019
8	Reply to the notice received or not	Project proponent attended the 185 th meeting of SEAC.
9	Lastly, the case was considered by SEAC	185 th meeting held on 29.11.2019
10	Observations	As mentioned above
11	Observation conveyed to the Project Proponent	Vide no 1430 dated 03.02.2020.
12	Reply in reference to letter no 1430 dated 03.02.2020	The project proponent has not submitted a reply online to the ADS.
13	Reminder	A reminder was issued through email 06.05.2020 wherein it was requested to submit the reply online to the observations immediately, otherwise, it will be presumed that the project proponent has nothing to say and the project will be delisted in light of the OM dated 30.10.2012. However, no reply has been received so far.

3.0 Deliberation during 189th meeting of SEAC held on 28.05.2020

The meeting was attended by the following through video conference:

1. Sh. Vikram Kumar, Project Head, and Sh. Deepak Gupta, Environmental Advisor, representing the Project Proponent.
2. Sh. Sital Singh, EIA coordinator, M/s Chandigarh Pollution Testing Laboratory, E-126, Phase-VII, Industrial Area, Mohali, Punjab, Environmental consultant of the Project Proponent.

The project proponent informed the SEAC that the said project had been granted Environmental Clearance vide letter number SEIAA/2014/5946 dated 24.01.2014. However, in the said Environmental Clearance, the basement area could not be taken into account inadvertently. He informed that in the previous application for which Environmental Clearance was granted, the prosecution was already filed against the project proponent as the earlier application was also a violation case. He further informed that this case was inadvertently applied in violation window whereas the project was required to be applied only for amendment of Environmental Clearance. Apart from the basement area, there is no other change in the application. He requested the SEAC to allow him to withdraw the current application and allow him to apply for an amendment in the Environmental Clearance.

After detailed deliberations, SEAC accepted the request of the project proponent and decided to recommend to SEIAA that the project proponent be allowed to withdraw the application submitted in violation window and apply fresh for obtaining amendment in Environmental Clearance already granted to it.

4.0 Deliberation during 166th meeting of SEAC held on 26.06.2020

The case was considered by SEIAA in its 166th meeting of SEIAA held on 26.06.2020. SEIAA observed that the project proponent has not submitted any documentary evidence to prove his contention that the basement area was provided/included in other valid and reliable documents but was inadvertently left out in the earlier application for Environment Clearance.

After detailed deliberations, SEIAA decided to remand the case to SEAC for re-examination in the light of the above observation and sending the detailed report in the matter.

5.0 Deliberations during 193rd meeting of SEAC held on 26.09.2020

The case was placed in the 193rd meeting of SEAC held on 26.09.2020 which was attended by Sh. Deepak Gupta, Environmental Advisor, representing the Project Proponent and Sh. Sital Singh, EIA coordinator, M/s Chandigarh Pollution Testing Laboratory, E-126, Phase-VII, Industrial Area, Mohali, Punjab, Environmental consultant of the Project Proponent.

To a query of SEAC regarding the submission of documentary evidence to prove their contention that the basement area was provided/included in other valid and reliable documents but was inadvertently left out in the earlier application for Environment

Clearance, the Environmental consultant of the Project Proponent requested to give some time and defer the case for next meeting.

After deliberations, SEAC decided to accept the request of the environmental consultant, and defer the case till documentary evidence is not submitted to prove their aforesaid contention.

Meeting ended with a vote of thanks to the Chair.
