Proceeding of 201st meeting of State Expert Appraisal Committee (SEAC) to be held on 02.06.2021 in the Conference Hall no. 2 at 11:00 AM, MGSIPA Complex, Sector-26, Chandigarh.

The following were present:

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

Item No. 01: Confirmation of the proceedings of 200th meeting of State Level Expert Appraisal Committee held on 07.05.2021.

SEAC was apprised that the proceedings of 200th meeting of State Level Expert Appraisal Committee held on 07.05.2021, respectively have been prepared and were circulated through email on 17.05.2021. No observations were received. SEAC noted the same and confirmed the same.

Item No. 02: Action taken on the proceedings of the 200th meeting of State Level Expert Appraisal Committee held on 07.05.2021.

SEAC was apprised that the action taken on the decisions of 200th meeting of State Level Expert Appraisal Committee held on 07.05.2021 had been completed. SEAC noted the same.

Item NO. 201.01: Application for obtaining environmental clearance under EIA notification dated 14.09.2006 for the development of commercial project namely "Judicial Court Complex and District Administrative Complex", District Tarn Taran, Punjab by Executive Engineer, Construction Division no. 1, PWD (B& R), Court Road, Amritsar. (New Proposal No. SIA/PB/MIS/EC/ 202330/2021).

The case was a violation case and was issued additional specific ToR by SEIAA vide letter no. 3189 dated 21.10.2020, by adopting procedure as enumerated by O.M dated 14.03.2017 and 08.03.2018.

Now, the Project Proponent has applied for obtaining Environmental Clearance for the development of commercial project namely "Judicial Court Complex and District Administrative Complex", District Tarn Taran, Punjab by Executive Engineer, Construction Division no. 1, PWD (B& R), Court Road, Amritsar. The Project Proponent has submitted compliance of the Additional Specific ToR and other relevant documents on Parivesh Portal. The Project Proponent has deposited Rs. 1,17,180/- vide UTR no. BKL210405760187, dated 05.04.2021.

1.0 Deliberations during 200th meeting of SEAC held on 07.05.2021

The meeting was attended by the following:

1. Sh. Sital Singh, EIA Coordinator, M/s CPTL, Mohali.

SEAC observed that project proponent i.e. Executive Engineer, Construction Division no. 1, PWD (B& R), Court Road, Amritsar failed to appear before the Committee for presentation. However, SEAC allowed the Environmental Consultant of the Project Proponent to present salient features of the project which he presented as under:

Sr.no.	Item	Details
1.	Project/activity	8 (a)
2.	If the project involves diversion of forest land. If yes, a) Extent of the forest land. b) Status of the forest clearance.	No
3.	a) Is the project covered under PLPA,1900, if No	No

	but located near to 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. b) Is the project covered under PLPA, 1900, if yes then Status of the NOC w.r.t PLPA,1900.	
4.	If the project falls within 10 km of ecosensitive area/ National park/Wild Life Sanctuary. If yes, a) Name of ecosensitive area/ National park/Wild Life Sanctuary and distance from the project site. b) Status of clearance from National Board for Wild Life (NBWL).	No N.A. N.A.
5.	Classification/Land use pattern as per Master Plan	Within Municipal limits of Tan Taran, Mixed land use (as per Master Plan)
6.	Cost of the project	About Rs. 37 Cr.
7.	Total Plot area, Built up Area and Green area	Land: 55320 m^2 (16.54 acres) Built up area: Total built-up area = 58590 m^2 • Court complex (basement + 4 floors) = 22048 m^2 • District administrative complex (basement + 4 floors) = 19400 m^2 • Lawyer chambers (ground + 4 floors) = 6150 m^2 • Judge's residences = 2553 m^2 Green area: 24960 m2 (45.1%)
8.	Population (when fully operational)	• Residential = 100 • Institutional occupants = 3000 • Visitors = 4000

<table>
<tr><td>9.</td><td>Water Requirements & source in Construction Phase</td><td>Construction: 10 kLD, STP with in project
Domestic: 225 kLD, ground water</td></tr>
<tr><td>10.</td><td colspan="2">Break up of Water Requirements & source in Operation Phase (Summer, Rainy, Winter):
<table>
<tr><th rowspan="2">S. No.</th><th rowspan="2">Season</th><th colspan="2">Fresh Water</th><th colspan="3">Reuse water</th></tr>
<tr><th>Domestic</th><th>Fresh water) KLD</th><th>For Flushing purposes KLD</th><th>Green Area KLD</th><th>HVAC If any KLD</th></tr>
<tr><td>1</td><td>Summer</td><td>225</td><td>225</td><td>NIL</td><td>135</td><td></td></tr>
<tr><td>2</td><td>Winter</td><td>225</td><td>225</td><td>NIL</td><td>75</td><td></td></tr>
<tr><td>3</td><td>Rainy</td><td>225</td><td>225</td><td>NIL</td><td>50</td><td></td></tr>
</table></td></tr>
<tr><td>11.</td><td>Source of Water</td><td>Ground water</td></tr>
<tr><td>12.</td><td>Treatment & Disposal arrangements of waste water in Construction Phase</td><td>STP installed at Site
• Reuse for watering of green area
• Disposal into Patti drain</td></tr>
<tr><td>13.</td><td>Disposal Arrangement of Waste water in Operation Phase</td><td>Total sewage = 180 KLD
STP capacity = 250 KLD
<table>
<tr><th>S. No.</th><th>Season</th><th>For Flushing purposes (kLD)</th><th>Green Area sqm (kLD)</th><th>Patti drain (kLD)</th></tr>
<tr><td>1.</td><td>Summer</td><td>NIL</td><td>135</td><td>45</td></tr>
<tr><td>2.</td><td>Winter</td><td>NIL</td><td>75</td><td>105</td></tr>
<tr><td>3.</td><td>Rainy</td><td>NIL</td><td>50</td><td>130</td></tr>
</table></td></tr>
<tr><td>14.</td><td>Rain water recharging detail</td><td>Number of recharge structures = 8
Annual recharge potential = 21300 kL</td></tr>
<tr><td>15.</td><td>Solid waste generation and its disposal</td><td>• 300 kg/day
• The solid wastes will be appropriately segregated (at source) into recyclable, bio-degradable Components, and non- biodegradable.
• Disposal of non-recyclable fraction through MC</td></tr>
<tr><td>16.</td><td>Hazardous Waste & EWaste</td><td>• Used oil from DG set (Cat. 5.1) = 300 kg/year
• Used oil will be sold to registered recyclers
• E-waste will be disposed off as per the E-waste (Management) Amendment Rules, 2018.</td></tr>
</table>

<table>
<tr><td>17.</td><td>Energy Requirements & Saving</td><td>

1500 kW to be sourced from PSPCL.
DG set –125 kVA

<table>
<tr><th></th><th>Measure</th><th>Energy saving potential*</th></tr>
<tr><td>1.</td><td>Solar based common lighting</td><td>2%</td></tr>
<tr><td>2.</td><td>Roof-top solar (PV) power (325 kWp potential)</td><td>6%</td></tr>
<tr><td>3.</td><td>Use of LED lighting</td><td>2%</td></tr>
<tr><td>4.</td><td>Energy efficiency in receiving/distribution</td><td>1%</td></tr>
<tr><td>5.</td><td>High efficiency motors/transformers</td><td>0.5%</td></tr>
<tr><td>6.</td><td>Miscellaneous architectural features</td><td>0.5%</td></tr>
<tr><td></td><td>Total</td><td>12%</td></tr>
</table>
</td></tr>
<tr><td>18.</td><td>Environment Management Plan along with Budgetary break up phase wise and responsibility to implement</td><td>Executive Engineer, Construction Division No. 1, PWD (B&R), Amritsar, or any other officer authorized by the competent authority.
<table>
<tr><td>Description</td><td>Capital Cost (Rs)</td><td>Recurring Cost – annual (Rs)</td></tr>
<tr><td>Construction</td><td>31 lacs</td><td>5 lacs</td></tr>
<tr><td>Operation</td><td>331 lacs</td><td>42 lacs</td></tr>
</table>
</td></tr>
<tr><td>19.</td><td>on-site construction, environmental remediation plan</td><td>On-site construction, environmental remediation plan is proposed as under;
<table>
<tr><th></th><th>Proposed activity</th><th>Amount (₹)</th></tr>
<tr><td>1.</td><td>Plantation of trees and their maintenance along the national highway on at least 1 km of both sides of the project</td><td>6,00,000.00</td></tr>
<tr><td>2.</td><td>Storm water management system of surrounding villages</td><td>10,00,000.00</td></tr>
<tr><td>3.</td><td>Provision of Organic Waste Converter for biodegradable solid waste management in Villages Rasulpur and Chutala</td><td>10,00,000.00</td></tr>
<tr><td></td><td>Total</td><td>26,00,000.00</td></tr>
</table>
</td></tr>
</table>

SEAC raised following observations to the Environmental Consultant of the Project Proponent:

Sr. No.	Observation	Reply
1.	Methodology adopted to estimate the Environmental damage of Rs. 26 lakhs	The Environmental Consultant of the Project Proponent sought time to submit reply in this regard.
2.	The activities proposed in the Environmental Remediation Plan are general in nature.	The Environmental Consultant of the Project Proponent sought time to submit the revised Environmental Remediation Plan.
3.	The KML file uploaded on the Portal indicates that no green area has been developed. The Project Proponent is required to submit proposal for development of the green area.	The Environmental Consultant of the Project Proponent sought time to submit reply in this regard.

SEAC decided to defer the case till the next meeting and be placed for appraisal only after the reply from the Project Proponent is received.

The Executive Engineer, Construction Division No. 1, PWD B&R, Amritsar has now submitted the reply of the observations raised by the SEAC vide letter no. 199 dated 25.05.2021 and is placed **(Annexure -A)** of the agenda.

2.0 Deliberations during 201st meeting of SEAC held on 02.06.2021

The meeting was attended by the following:

1. Sh. Sital Singh, EIA Coordinator, M/s CPTL, Mohali.
2. Sh. Inderjit Singh, Executive Engineer, PWD(B&R), Tarn Taran and Sh. Vishal Duggal, Technical Advisor.

SEAC perused the reply submitted by the Project Proponent and observed that the Project Proponent has not submitted the reply of observation mentioned at Sr. No. 2 of the above table. After deliberation, SEAC further enquired the Project Proponent regarding the following:

Sr. no.	Observations	Reply
1.	As per the decision taken during 200th meeting of SEAC held on 07.05.21, the Project Proponent was to submit the revised Environmental Remediation Plan.	The Project Proponent again sought time to submit the revised Environmental Remediation Plan.
2.	Whether, Project Proponent has obtained permission for extraction of Ground Water for meeting the fresh water requirement from PWRDA.	No application has been filed to the PWRDA for the extraction of ground water.
3.	Whether rain water harvesting pits have been provided by the Project Proponent. If yes, how many pits have been constructed till date.	The Project Proponent failed to give satisfactory reply to the Project Proponent and sought time to submit the reply in this regard.
4.	The Project Proponent has to submit the Bank Guarantee to the Punjab Pollution Control Board equivalent to the amount of Remediation Plan and Natural & Community Resource Augmentation Plan.	The Project Proponent agreed to provide the same.

SEAC observed that the Technical Advisor of the Project Proponent is not guiding the Project Proponent properly. Therefore, SEAC directed the EIA Coordinator as well as Technical Advisor to take the matter seriously and submit proper reply to the observations made by the Committee.

After detailed deliberations, SEAC decided to defer the matter till the next meeting subject to submission of the reply by the Project Proponent.

Item No. 201.02: Application for obtaining extension in the Environmental clearance granted under EIA notification dated 14.09.2006 for development of Township Project namely "IREO City" in the revenue estate of village Dakha, Eisewal, Devatwal, Gahour & Birmi, Tehsil Mullanpur, District Ludhiana. (Proposal No. SIA/PB/MIS/204012/2021).

The project proponent was granted Environmental Clearance under EIA Notification for development of Township Project namely "IREO City" in the revenue estate of village Dakha, Eisewal, Devatwal, Gahour & Birmi, Tehsil Mullanpur, District Ludhiana vide no. SEIAA/2013/2763 dated 18.09.2013. The Environmental Clearance was granted for 484.27 acres and built up area 16,89,360.37 Sqm. Further vide OM dated 18.01.2021, the MoEF&CC, GoI has mandated that the period from the 1st April, 2020 to the 31st March, 2021 shall not be considered for the purpose of calculation of the period of validity of prior Environmental Clearance granted under the provisions of this notification in view of outbreak of Corona Virus and subsequent lockdown (total or partial) declared for its control, however, all activities undertaken during this period in respect of the Environmental Clearance granted shall be treated as valid. Thus, the EC of project proponent can be treated to be valid upto 17.09.2021.

The project proponent has applied for extension in the said Environmental Clearance before the expiry of the EC. As per the EIA notification dated 14.09.2006, the validity can be extended for 3 years i.e. upto 17.09.2024. The project proponent submitted that the project was to developed for an area of 484.27 acres out of which 222 acres has been completed. The reason for delay in completing the development activities is as follows:

- Time required for development.
- Market demand for the project.
- Huge cost involved in the development.

The project proponent has deposited Rs. 16,89,361/- through NEFT no. HDFCR52021050591094454 on 05.05.2021 as processing fee for the application for extension of EC.

1.0 Deliberations during 200th meeting of SEAC held on 07.05.2021

The meeting was attended by the following:

1. Julie Jha, Manager (Approvals), on behalf of Project Proponent.

2. Sh. Ankur Aggarwal, EIA Coordinator, M/s Vardan Environet, Consultant.

Before allowing the Project Proponent to present the salient features of the project, SEAC raised following observations to the Project Proponent.

S.No.	Observations	Reply
1.	The Project Proponent is required to submit compliance of the conditions of the earlier granted Environment Clearance.	The Project Proponent sought time to submit reply in this regard.
2.	The Project Proponent is required to submit PERT Chart to complete the project in a time bound manner.	The Project Proponent sought time to submit reply in this regard.

SEAC decided to defer the matter till the next meeting and case be considered only after submission of satisfactory reply from the Project Proponent.

The Project Proponent has submitted the compliance of the conditions of the earlier granted Environmental Clearance (Annexure- B of the Agenda) and PERT Chart (Annexure- C of the Agenda) to complete the project.

2.0 Deliberations during 201st meeting of SEAC held on 02.06.2021

The meeting was attended by the following:

1. Mr. Aman Sharma, EIA Coordinator, M/s Vardan Environet, Consultant.
2. Sh. Amardeep Nandraj, Sr. Manager, on behalf of Project Proponent.

SEAC perused the reply submitted by the Project Proponent and raised the following observations:

Sr. No.	Observations	Reply
1.	The Project Proponent is required to submit the details of Rainwater Harvesting for roof run-off already implemented on site along with its photographs as well as video.	The Project Proponent informed that they have constructed 32 no. Rain Water Harvesting pits on site and submitted the details in the form of photographs and video.

2.	The Project Proponent is required to submit proof regarding application of solar energy for illumination of common areas, lightening of gardens and street lighting in addition to provision of solar water heating.	The Project Proponent submitted the details wherein it was reported that they have provided 38 LED lights for illumination of common areas, lightening of gardens and street lighting. Further, Solar Water Heating System have been installed.
3.	The Project Proponent has not provided the details of Environmental Management Cell to supervise and monitor the environment related aspects of the project.	The project proponent submitted the details of Environment Management Cell constituted by it to supervise and monitor the environment related aspects of the project.

SEAC was satisfied with the reply submitted by the Project Proponent and decided to forward the case to SEIAA with the recommendation to extend the Environment Clearance granted to the residential project namely "IREO City" in the revenue estate of village Dakha, Eisewal, Devatwal, Gahour & Birmi, Tehsil Mullanpur, District Ludhiana, for three (3) years i.e. 17.09.2024, on the same terms and conditions as imposed in the original Environmental Clearance granted vide no. SEIAA/2013/2763 dated 18.09.2013.

Item no.201.03: Application for issuance of ToR for expansion of the Township project namely "TDI City in Sector 110-111, SAS Nagar, by M/s Taneja Developers & Infrastructure Ltd. (Proposal No. SIA/PB/MIS/60863/2021).

The project was granted Environmental Clearance for the development and construction of a Township Project namely "TDI City in Sector 110-111, SAS Nagar vide letter no. 1208 dated 06.08.2014. The said Environment Clearance was granted for development of project in an area of 156.183 acres of land having total built up area of about 1,40,000 Sqm consisting of 1284 no. of plots, 215 no. of SCO, 9 booths, EWS, Dispensary, School & Public building in Sector 110-111, SAS Nagar.

Now, the Project Proponent has applied for issuance of ToR for expansion of the Environment Clearance with increase in the total plot area from 156.183 acres to 161.31 acres. The Project Proponent has deposited Rs. 70,000/- through NEFT No. N127210588827891 dated 07.05.2021.

1.0 Deliberations during 200th meeting of SEAC held on 07.05.2021

The meeting was attended by the following:

1. Mr. Mandeep Sharma, Senior Manager and Sh. Deepak Gupta, Environmental Advisor, on behalf of Project Proponent.
2. Sh. Sital Singh, EIA Coordinator, M/s CPTL, Mohali.

SEAC allowed the Project Proponent to submit the salient features of the project which he presented as under:

Sr.no.	Item	Details
1.	Name and Location of the project	"TDI City" located at Sector-110-111, SAS Nagar.
2.	Project/activity	8 B
3.	Whether the project is in critical polluted area or not.	None
4.	If the project involves diversion of forest land. If yes, a) Extent of the forest land. b) Status of the forest clearance.	No
5.	a) Is the project covered under PLPA,1900	No

	b) If yes, then Status of the NOC w.r.t PLPA,1900.	
6.	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 National Board for Wild Life (NBWL).	No No No
7.	Classification/Land use pattern as per Master Plan	Township
8.	Cost of the project	400 Cr.
9.	Total Plot area, Built up Area and Green area	<table><tr><th></th><th>Old</th><th>New</th><th>Total</th></tr><tr><td>Land</td><td>156.183 Acres</td><td>5.127 Acres</td><td>161.31 Acres</td></tr></table>
10.	Population (when fully operational)	25063
11.	Water Requirements & source in Construction Phase	5-10 KLD met by STP Kharar
12.	Source of Water	•Treated waste water will be used during construction stage of the project. (From existing STP of TDI township)
13.	Treatment & Disposal arrangements of waste water in Construction Phase	Septic Tank of capacity 10 KLD Sewer

SEAC asked the Project Proponent to submit complete breakup of the construction w.r.t. land area/ built up area such as plots, SCO, booths, EWS, dispensary, school, public building etc. required to be carried out in the earlier Environment Clearance and in the proposed expansion. The Project Proponent sought time to submit reply in this regard.

After detailed deliberations, SEAC decided to defer the case and consider it in the next meeting only when the reply from the Project Proponent is received.

The Project Proponent has now submitted the details of the project. As per the details submitted, a total of 31 residential plots have been newly included in the revised layout plan

approved vide 10.07.2020 and a pocket which was earlier present as area to be developed in phase-II has been changed to commercial which has been hypothecated to GMADA as per the prevailing policy. Now, the Project Proponent has submitted the complete details of the built-up area to be constructed in the project which comes out to be 678467.27132 Sqm.

The Project Proponent has deposited the balance fee amounting Rs. 64625/- vide UTR No. N145210605159439 dated 25.05.2021, w.r.t the increase in the built-up area. Thus, the Project Proponent has deposited total Rs. 134625/- (Rs. 70,000/- through NEFT No. N127210588827891 dated 07.05.2021 and Rs. 64625/- vide UTR No. N145210605159439 dated 25.05.2021) which is 25% of the total fee of Rs. 538500/- applicable to the project. The rest 75% of the fee shall be deposited at the time of obtaining Environmental Clearance. The complete breakup of the construction is given as under:

S. N.	**Description of Property**	**Details as per previous EC**			**Details as per layout plan approved vide letter dated 10.07.2020**		
		Details of previous Layout Plan (156.183 acres as per old EC)	**Area in sqm.**	**Max. Built-up area in sqm**	**Details of newly added area in latest Layout Plan 161.31 acres**	**Area in sqm.**	**Total Area (sqm)**
1.	Residential Plot No.	1284	254498.84	534447.5594	1315	258790.38	543459.79
2.	Commercial SCO's	135	11522.78	25926.26463	135	11522.78	25926.26
3.	Commercial SCO's	46	4671.13	11677.82191	46	4671.13	11677.82
4.	Commercial Booths	34	953.18	953.1772575	34	953.18	953.18
5.	Milk Booth No.	9	83.61	83.61204013	9	83.61	83.61
6.	Commercial Site /RA	1	0.00	0	1	9931.97	9931.97
7.	EWS	1	38186.60	38186.59699	1	38186.60	38186.60
8.	Club/Community Centre	1	4506.17	4506.170569	1	4506.17	4506.17
9.	Religious Bldg.-1	1	1672.24	1672.240803	1	1672.24	1672.24
10.	Religious Bldg.-2	1	1260.42	1260.41806	1	1260.42	1260.42
11.	Dispensary	1	2080.22	4680.48913	1	2080.22	4680.49
12.	High School-1	1	8169.06	12253.59532	1	8169.06	12253.60
13.	High School-2	1	8619.73	12929.59866	1	8093.65	12140.47
14.	Nursery School-1	1	1931.05	1931.053512	1	1931.05	1931.05
15.	Nursery School-2	1	2983.13	2983.12709	1	2983.13	2983.13
16.	Nursery School-3	1	4338.55	4338.545151	1	4338.55	4338.55
17.	Post Office	1	86.40	215.9908027	1	86.40	215.99
18.	Creche	1	890.77	2226.923077	1	890.77	2226.92
19.	CFC	1	39.01	39.01337793	1	39.01	39.01
	Total		**346492.88**	**658046.2613**		**360190.31**	**678467.27**

Sr. No.	Particulars of Area	Area (in Acres) as per previous EC	Area (in Acres) as per new layout plan approved on 10.07.2020	Additional Area (in Acres) as per new proposal
1	Area under various Components	85.62 (346492.88 m^2)	89.01 (360190.31 m^2)	3.39
2	Green Area (in Acres)	11.68	11.68	0.00
3	Area (in Acres) under Roads, Parking, Pavements, EGS, STP, Water Works & other Open Spaces	58.88	60.62	1.74
4	Hence Total Net Planned Area (in Acres) as per Layout Plan approved on dated: 06.01.2014	156.18	161.31	5.13

2.0 Deliberations during 201st meeting of SEAC held on 02.06.2021

The meeting was attended by the following:

1. Mr. Mandeep Sharma, Senior Manager and Sh. Deepak Gupta, Environmental Advisor, on behalf of Project Proponent.
2. Sh. Sital Singh, EIA Coordinator, M/s CPTL, Mohali.

SEAC observed that the Project Proponent had submitted the satisfactory reply to the observations raised by SEAC in its 200th meeting held on 07.05.2021.

SEAC further raised following observations to the Project Proponent.

Sr. No.	Observations	Reply
1.	Whether Project Proponent had obtained consent to establish and consent to operate under the Water Act, 1974 and Air Act 1981 from the Punjab Pollution Control Board.	The Project Proponent obtained Consent to Establish from Punjab Pollution Control Board vide no. CTE/Exp/SAS/2021/15118773 dated 10.03.2021 having validity upto 30.08.2021. The Project Proponent had applied for obtaining Consent to Operate under Water Act, 1974 vide Application ID 15424126 dated 19.01.2021 and had obtained Consent to Operate under Air Act, 1981 vide no. CTOA/Varied/SAS/2021/6992235 dated 06.05.2021 having validity upto 31.03.2023.
2.	The Project Proponent is required to submit the compliance report of the conditions imposed in the Environmental Clearance granted earlier.	The Project Proponent has submitted the compliance Report of the conditions of Environmental Clearance already granted.

SEAC was satisfied with the reply and took it on record and decided to forward the case to SEIAA with the recommendation for issuance of following Terms of Reference (TOR) to M/s Taneja Developers & Infrastructure Ltd. for expansion of the Township Project namely "TDI City" with increase in the total plot area from 156.183 acres to 161.31 acres in Sector 110-111, SAS Nagar, for preparing Environmental Impact Assessment (EIA) report for the proposed project:

Terms of Reference

1) Examine details of land use as per Master Plan and 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.

2) Submit details of environmentally sensitive places, land acquisition status, rehabilitation of communities/villages and present status of such activities.

3) Examine baseline environmental quality along with projected incremental load due to the project.

4) 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.

5) Submit a copy of the contour plan with slopes, drainage pattern of the site and surrounding area. Any obstruction of the same by the project

6) Submit the details of the trees to be felled for the project.

7) Submit the present land use and permission required for any conversion such as forest, agriculture etc.

8) Submit Roles and responsibility of the developer etc for compliance of environmental regulations under the provisions of EP Act.

9) Ground water classification as per the Central Ground Water Authority.

10) Examine the details of Source of water, water requirement, use of treated waste water and prepare a water balance chart.

11) 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.

12) Examine soil characteristics and depth of ground water table for rainwater harvesting.

13) Examine details of solid waste generation treatment and its disposal.

14) Examine and submit details of use of solar energy and alternative source of energy to reduce the fossil energy consumption. Energy conservation and energy efficiency.

15) 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.

16) 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 analysed with measures for preventing traffic congestion and providing faster trouble-free system to reach different destinations in the city.

17) A detailed traffic and transportation study should be made for existing and projected passenger and cargo traffic.

18) Examine the details of transport of materials for construction which should include source and availability.

19) Examine separately the details of construction and operation phases both for Environmental Management Plan & Environmental Monitoring Plan with cost and parameters.

20) Submit details of a comprehensive Disaster Management Plan including emergency evacuation during natural and man-made disaster.

21) Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.

22) The cost of the Project, Capital cost and recurring cost towards implementation of EMP for the Construction Phase and Operation Phase of the project should be clearly spelt out.

23) Any further clarification on carrying out the above studies including anticipated impacts due to the project and mitigative measure, project proponent can refer to the model ToR available on Ministry website "http://moef.nic.in/ Manual/Townships".

Additional TORs

1) Submit details of the EIA Consultant including NABET accreditation and an undertaking to the effect that EIA/EMP prepared by them.

2) Submit dully filled check list for environmental clearance project & synopsis of the project available on web site i.e. www.pbdecc.gov.in.

3) The project proponent shall submit proper index with page numbering.

4) 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)

5) Submit Layout plan duly approved by the Competent Authority / Conceptual plan of the project

6) Submit 500 m radius map of the area from periphery of project site clearly indicating the various industries (specifically red category industries) and structures lying in the area.

7) 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.

8) 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

9) Submit a copy of acknowledgement along with set of application filed to CGWA /Competent Authority for obtaining permission for abstraction of ground water.

10) Submit a letter from concerned Local Body / Authority giving details as under:

    i) Availability of the water supply in the area, exact position of water supply line duly marked on the layout map / plan and providing the water supply to the proposed project.

    ii) Availability of the existing sewer duly marked on layout map and status of sewer connectivity indicating feasibility with respect to the project sewer & acceptance of quantity of sewage.

    iii) Acceptance of Solid Waste indicating quantity to be generated by the proposed project.

11) Submit Location plan showing the exact location of the project site w.r.t. some permanent / important features of the area and site plan of the project showing the following:

    i) Location of STP
    ii) Solid waste storage area
    iii) Green belt with marking of tree
    iv) Parking space
    v) RWH and water recharge pits
    vi) Firefighting equipment layout
    vii) First aid room
    viii) Location of Tube-wells
    ix) DG Sets and Transformers
    x) Any other utilities

12) Examine and submit the details of the environmental impacts at the stage of land acquisition including aspects such as displacement of families, rehabilitation, acquiring of agricultural/forest land, acquiring of ecologically important lands and water bodies.

13) Examine and submit the details of the environmental aspects, impact sand their mitigation measures at the stage of construction and operation phase of the projects as indicated in Appendix III of EIA Notification 2006 and the manual titled as "EIA guidance Manual-Building, Construction, Township and area Development projects" published by the Ministry of Environment & Forests, New Delhi.

14) Submit the details of the socio-economic impact due to the employment to be generated from the household activities.

15) Management plan to utilise the entire earth generated within the site may be worked out and submitted.

16) Submit the status of ground water table. Also examine the impacts of abstraction of ground water on the ground water table.

17) Design of rain water harvesting/storage as per CGWA norms be worked out and submitted.

18) Submit plan for installation of own STP based on SBR Technology on module basis of adequate capacity within project site for the treatment the waste water generated from the project and utilising maximum treated sewage water to reduce the demand on the fresh water

19) Submit layout plan dully marked with at least single line plantation all around the boundary of the project and number of trees considering a minimum of one tree for every 80 sqm of total project land. The existing trees will be counted separately for this purpose.

20) Submit the percentage of the green area to be developed and maintenance plan for 3 years indicating cost to be incurred.

21) 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.

22) Submit scheme to handle the organic waste generated from the project

23) Examine details of the management & handling of E- waste, hazardous waste, scrap, construction and demolition waste management.

24) Submit plumbing system for reuse of treated wastewater for flushing/ HVAC/ other purposes etc. and colour coding of different pipe lines carrying water/wastewater from different sources / treated wastewater shall be provided as follows:

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

25) What is the hierarchical system or Administrative order of the company to deal with the environmental issues and for ensuring compliance with the EC conditions? Details of this system may be given.

26) For expansion project: -

i) Submit detail of every component (water details, waste water details, solid waste, energy requirement etc.) in the format of existing, proposed and after expansion.

ii) Submit the superimposed plan on appropriate readable size (the existing building plan superimpose with the proposed building plan in different colors).

iii) Specify the adequacy of the internal water supply system, sewer line and STP for the proposed expansion/revision

iv) Submit Structural Safety/ Stability Certificate may be required from the Approved Engineer (In case of increase in no. of story's.)

27) Submit the action taken in light of the provisions of Construction & Demolition Waste Management Rules,2016.

28) Examine the parking issue considering the expansion to be carried out within the project site and submit the detailed layout plan indicating the parking facilities.

29) Submit the recommendation of Chief Wildlife Warden in case wildlife sanctuary falls within 10 Km radius of the project.

Item No. 201.04: 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-II" located in the revenue estate of Village Gazipur, Zirakpur, Tehsil Derabassi, District SAS Nagar, Punjab by M/s Mona Township Pvt. Ltd. (SIA/PB/NCP/22970/2018).

The matter is a violation case and was applied in the violation window as per MoEF&CC Notification dated 14.03.2017 & 08.03.2018.

The project namely Mona Green -II was started in 2013 & the built-up area of the project was less than 20,000 Sqm. Thereafter, the Project Proponent got the plan revised and the built-up area was increased which is more than 20000 Sqm i.e. 21711 sqm. The construction was started without getting Environmental Clearance.

It has come to the notice that the case was already processed by SEAC in its 189th meeting held on 28.05.2020. However, in the online system the case is shown pending at the SEAC level due to some technical reasons. The SEAC in the meeting held on 28.05.20 decided that the following actions be taken:

a) SEIAA be requested to ask the PPCB to provide the details of the legal action taken against the responsible persons of the project in response to SEIAA letter no 354 dated 02.04.2019 and the construction status of the project (completed/not completed, if not completed then % of built-up area completed as on .....)

b) Project proponent be asked to submit a copy of Memorandum of Article & Association/partnership deed/undertaking of sole proprietorship/List of Directors and names of other persons (with designation & complete address) responsible for the violation of the EIA Notification 14.09.2006 duly signed by the EIA Coordinator & him and verified signature of the authorized signatory duly signed by the EIA Coordinator & the project proponent.

   In compliance to the decision (b) of SEAC, the project proponent was asked vide letter no 1684 dated 17.06.2020 to submit the information as above. In compliance with the decision taken at a), the case was placed before SEIAA for consideration.

Thereafter, the case was considered by the SEIAA in its 166th meeting held on 26.06.2020 wherein following actions were taken:

(i) The Member Secretary, PPCB has been requested vide letter no. 1886 dated 29.07.2020 to launch prosecution against the responsible persons and send the construction status report vide letter no. 1887 dated 29.07.2020. A copy of the same

has not been endorsed to the concerned due to other the directions given by the MS, SEIAA on 29.07.2020.

(ii) Direction u/s 5 have been issued vide letter no. 1888 dated 29.07.2020 to the Project proponent and a copy of the same has been endorsed vide letter no. 1889 dated 29.07.2020 to MS, PPCB for ensuring the compliance.

The case was again considered by SEIAA in its 176th meeting held on 19.02.2021 wherein, SEIAA observed that no report from the PPCB has been received so far. SEIAA took a serious view of this being a major and long pending violation case.

After detailed deliberations, SEIAA decided to issue a reminder to the PPCB for sending the report in the matter. It was also decided that the matter be taken up with the Chairman, PPCB through e-office file.

In view of the above background, the case can be forwarded to SEIAA online if the agenda of the item is placed online and the minutes of the same are uploaded online.

The Committee is requested to allow to forward the case to SEIAA online, as no action is pending at the level of SEAC.

1.0 Deliberations during 201st meeting of SEAC held on 02.06.2021

SEAC observed that no action was pending on behalf of SEAC and the case was reflected in the pendency list of SEAC online on the Parivesh Portal due to technical reasons.

After deliberations, SEAC decided to forward the case to SEIAA online for taking further necessary action.

Item No. 201.05: Application for issuance of TORs for carrying out EIA study for obtaining environmental clearance under EIA notification dated 14.09.2006 for expansion of Group Housing Project namely "Orchard County" located in the revenue estate of village Sante Majra, Kharar - Landran Road, Kharar, District SAS Nagar, Punjab by M/s Ansal Lotus Melange Projects Pvt. Ltd. (SIA/PB/ NCP/ 22975/2018).

The matter is a violation case and was applied in the violation window as per MoEF&CC Notification dated 14.03.2017 & 08.03.2018.

M/s Ansal Lotus Melange Projects Pvt Ltd. was granted Environmental Clearance vide Letter No 21-686/2007-IA.III dated 23.04.2008 for construction of Group Housing "Orchard County" having built-up area 69388.316 sqm in the plot area 48090.24 sqm in the revenue estate of village Sante Majra, Kharar - Landran Road, Kharar, District SAS Nagar, Punjab, subject to the certain conditions by MoEF, New Delhi.

Later on, planning of the project was changed with total built-up area of approximately 104388.87 sqm. and plot area of 48090.24 sqm.

It has come to the notice that the case was already processed by SEAC in its 190th meeting held on 27.06.2020. However, in the online system the case is shown pending at the SEAC level due to some technical reasons. The SEAC in the meeting held on 27.06.2020 decided that the following actions be taken:

a) SEIAA be requested to issue a direction under Section 5 of the Environment (Protection) Act, 1986 to the Project Proponent as under: -

i) It shall not carry out any further construction activity at its project site namely "Orchard County" Village Sante Majra, Kharar - Landran Road, Kharar, District Sahibzada Ajit Singh Nagar till it obtains environmental clearance under EIA notification dated 14/9/2006.

ii) It shall neither execute any sale deed within the project area nor create any third-party interest in the project till it obtains the environmental clearance under EIA Notification dated 14.09.2006.

b) SEIAA be requested to ask PPCB to provide the details of the legal action taken against the responsible persons of the project as per the Clause 3 of MoEF & CC Notification dated 14.03.2017 (as amended on 08.03.2018) in response to SEIAA letter no 354 dated 02.04.2019 along with construction status of the project (completed/not completed, if not completed then % of built-up area completed as on .....)

c) Simultaneously, the SEAC may ask the project proponent to submit the reply to ADS

raised on 05.05.2020, within 15 days and to attend the meeting as and when the case is placed before SEAC. In case, the project proponent fails to submit the reply & appears in the meeting of SEAC, it will be presumed that the project proponent is not taking the matter seriously and the case will be delisted without any further communication.

d) The case be placed again before SEAC after getting the reply to ADS from the project proponent and prosecution status from the PPCB.

Thereafter, the case was considered by the SEIAA in its 167th meeting of SEIAA held on 31.07.2020 wherein following actions were taken:

(i) Direction u/s 5 have been issued vide letter no. 1925 dated 08.09.2020 to the Project proponent and a copy of the same has been endorsed vide letter no. 1926 dated 08.09.2020 to MS, PPCB for ensuring the compliance.
(ii) The Member Secretary, PPCB has been requested vide letter no. 1923 dated 08.09.2020 to launch prosecution against the responsible persons and send the construction status report vide letter no. 1924 dated 08.09.2020.

The case was again considered by SEIAA in its 176th meeting held on 19.02.2021 wherein, SEIAA observed that no report from the PPCB has been received so far. SEIAA took a serious view of this being a major and long pending violation case.

After detailed deliberations, SEIAA decided to issue a reminder to the PPCB for sending the report in the matter. It was also decided that the matter be taken up with the Chairman, PPCB through e-office file.

In view of the above background, the case can be forwarded to SEIAA online if the agenda of the item is placed online and the minutes of the same are uploaded online.

The Committee is requested to allow to forward the case to SEIAA online, as no action is pending at the level of SEAC.

1.0 Deliberations during 201st meeting of SEAC held on 02.06.2021

SEAC observed that no action was pending on behalf of SEAC and the case was reflected in the pendency list of SEAC online on the Parivesh Portal due to technical reasons.

After deliberations, SEAC decided to forward the case to SEIAA online for taking further necessary action.

Item No.201.06: Application for issuance of TORs for proposed Grain Based Ethanol plant having installed capacity of 190KLD and 5MW co-generation plant at village-Lakho Ke Behram, Tehsil Guruharsahai, District Ferozepur, Punjab by M/s Firozepur Green Energy Pvt Ltd. (Proposal No. SIA/PB/IND2/63300/2021).

The project proponent has applied for issuance of TOR for proposed Grain Based Ethanol plant having production capacity of 190 KLD and 5 MW co-generation plant at village-Lakho Ke Behram, Tehsil Guruharsahai, District Firozepur, Punjab. Project is covered under activity 5(g) & Category 'B1' as per EIA Notification, 2006. The Project cost is 175.81 Cr.

The project proponent had submitted the Form I, Pre-feasibility report and other additional documents on online portal. He had also deposited the requisite fee amounting Rs. 4,39,525/- vide UTR No. HDFC52021051392382108 dated 13.05.2021. The Project Proponent has deposited 25% of the total fee prescribed for the Environmental Clearance being at ToR stage and the remaining 75% of the fee i.e. Rs. 13,18,575/- will be paid at the time of applying for Environmental Clearance.

The project proponent submitted an undertaking that the project site does not cover under the Forest Conservation Act, 1980 or Punjab Land Preservation Act, 1900, Wildlife area under Wildlife (Protection) Act, 1972. Further no litigation against the project is pending in any Court of Law and no construction activity relating to the project has been started. The project site neither fall in Eco-sensitive Zone nor in the boundary of critical polluted area. The project does not attract the generation condition and specific condition.

The project proponent during the presentation to the Committee be asked to present the applicability of General Conditions, suitability of site, land details etc.

1.0 Deliberations during 201st meeting of SEAC held on 02.06.2021

The meeting was attended by the following:

1. Sh. Sital Singh, EIA Coordinator, M/s CPTL, Mohali.
2. Ms. Ruchika, Assistant Manager, on behalf of Project Proponent.

SEAC allowed the Environmental Consultant of the Project Proponent to present the salient features of the project which he presented as under:

Sr. no.	**Nature of project**	**ToR for new project**
1.	a) Category b) Activity (As per schedule appended to EIA Notification, 2006 as amended time to time)	B1 It is a Category 'B1' project under schedule 5(g) in EIA Notification, 2006
2.	Whether the project falls in the critical polluted area notified by MoEF&CC/CPCB.	No
3.	Total Project Cost (in crores)	Rs. 175.81 Crores
4.	Amount of EC Processing Fee deposited by NEFT/DD	An amount of Rs. 4, 39,525/- submitted through NEFT no.- HDFC52021051392382108 on dated 13.05.2021
5.	Plot Area Details	Total Area – 15.68 Acres or 6.35 ha or 63508m^2
6.	a. Type of project land as per master plan (Industrial/Agriculture/Any other), b. If non industrial land then the details of Land Use Certificate / permissibility Certificate from Competent Authority (DTP/CTP) intimating land use pattern of the project site as per proposals of Master Plan of the area. (Submitted/Not Submitted)	This is an agricultural land and CLU of Industrial land will be obtained.
7.	a. Whether any litigation pending against the project or any direction/order passed by SPCB/ Court of Law	No litigation is pending.

	against the project, if so, details there of shall also be included. b. 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.	No

8. Raw material details

Particulars	Quantity (TPD)	Storage Capacity	Source & Mode of transportation of raw material
Damaged Food Grains (broken rice, wheat, corn, sorghum & millets)	390	3500 MT Silo	Local Supplier by road
OTHERS CHEMICALS			
Antifoam	342 kg/day	5.0 T	Nearby market by Trucks. 10-15 days storage will be provided.
Sodium Meta Bisulphite	75gm/day	1.0 T	
Liquefying Enzymes	460Kg/day	5.0 T	
DAP	310kg/day	5.0 T	
Sulphuric Acid	160kg/day	2.0 T	
Caustic Lye	525kg/day	5.0 T	

9. Production Capacity details:

S.NO	PRODUCT	QUANTITY
1	Rectified Spirit, Industrial alcohol, Ethanol, Specially Denatured Spirit, Denatured Spirit, Fusel Oil, AFS	190 KLD
2	Liquified Carbon-Dioxide (CO_2)	130KLD
3	Cogeneration Plant	5MW
4	DWGS/DDGS	171MT

10. Source of Water – Tubewell

Details of Water Requirement:

DESCRIPTION	TOTAL REQUIREMENT
Domestic	10 KLD
Process	1380KLD
Total	**1390 KLD**

11. Details of Boiler are as under:

PARTICULARS	DESCRIPTION
Capacity of Boiler	40TPH
Fuel used	Rice Husk (260 TPD)
Stack Height	50m (GL)
APCD	Electro Static Precipitator (ESP)

SEAC was satisfied with the presentation and took a copy of the same on record.

The Project Proponent submitted that the collection of baseline data was started in the month of April and will continue till June end. He requested to allow the Project Proponent to use the data for the month of April, May and June 2021 for preparation of the EIA report.

SEAC accepted the request of the Project Proponent.

After detailed deliberations, it was decided to categorize the project under Activity 5(g); B-1 with public consultation as required for the project. The Committee approved the Terms of Reference to M/s Firozepur Green Energy Pvt Ltd. for proposed Grain Based Ethanol plant having installed capacity of 190KLD and 5MW co-generation plant at village-Lakho Ke Behram, Tehsil Guruharsahai, District Ferozepur, Punjab for preparing Environmental Impact Assessment (EIA) report for the proposed project and recommended to SEIAA to issue the following TORs:

STANDARD TERMS OF REFERENCE

1) Executive Summary
2) Introduction
    i. Details of the EIA Consultant including NABET accreditation
    ii. Information about the project proponent
    iii. Importance and benefits of the project
3) Project Description

i. Cost of project and time of completion.

ii. Products with capacities for the proposed project.

iii. If expansion project, details of existing products with capacities and whether adequate land is available for expansion, reference of earlier EC if any.

iv. 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, power, with source of supply, status of approval, water balance diagram, man-power requirement (regular and contract)

viii. Process description along with major equipments and machineries, process flow sheet (quantative) from raw material to products to be provided

ix. Hazard identification and details of proposed safety systems.

x. Expansion/modernization proposals:

a. Copy of all the Environmental Clearance(s) including Amendments thereto obtained for the project from MOEF/SEIAA shall be attached as an Annexure. A certified copy of the latest Monitoring Report of the Regional Office of the Ministry of Environment and Forests as per circular dated 30th May, 2012 on the status of compliance of conditions stipulated in all the existing environmental clearances including Amendments shall be provided. In addition, status of compliance of Consent to Operate for the ongoing Iexisting operation of the project from SPCB shall be attached with the EIA-EMP report.

b. In case the existing project has not obtained environmental clearance, reasons for not taking EC under the provisions of the EIA Notification 1994 and/or EIA Notification
2006 shall be provided. Copies of Consent to Establish/No Objection Certificate and Consent to Operate (in case of units operating prior to EIA Notification 2006, CTE and CTO of FY 2005-2006) obtained from the SPCB shall be submitted. Further, compliance report to the conditions of consents from the SPCB shall be submitted.

4) Site Details

i. Location of the project site covering village, Taluka/Tehsil, District and State,

Justification for selecting the site, whether other sites were considered.

ii. A toposheet of the study area of radius of 10km and site location on 1:50,000/1:25,000 scale on an A3/A2 sheet. (including all eco-sensitive areas and environmentally sensitive places)

iii. Details w.r.t. option analysis for selection of site

iv. Co-ordinates (lat-long) of all four corners of the site.

v. Google map-Earth downloaded of the project site.

vi. Layout maps indicating existing unit as well as proposed unit indicating storage area, plant area, greenbelt area, utilities etc. If located within an Industrial area/Estate/Complex, layout of Industrial Area indicating location of unit within the Industrial area/Estate.

vii. Photographs of the proposed and existing (if applicable) plant site. If existing, show photographs of plantation/greenbelt, in particular.

viii. Landuse break-up of total land of the project site (identified and acquired), government/ private - agricultural, forest, wasteland, water bodies, settlements, etc shall be included. (not required for industrial area)

ix. A list of major industries with name and type within study area (10km radius) shall be incorporated. Land use details of the study area

x. Geological features and Geo-hydrological status of the study area shall be included.

xi. Details of Drainage of the project upto 5km radius of study area. If the site is within 1 km radius of any major river, peak and lean season river discharge as well as flood occurrence frequency based on peak rainfall data of the past 30 years. Details of Flood Level of the project site and maximum Flood Level of the river shall also be provided. (mega green field projects)

xii. Status of acquisition of land. If acquisition is not complete, stage of the acquisition process and expected time of complete possession of the land.

xiii. 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. Landuse map based on High resolution satellite imagery (GPS) of the proposed site delineating the forestland (in case of projects involving forest land more than 40 ha)

iii. Status of Application submitted for obtaining the stage I forestry clearance along with latest status shall be submitted.

iv. The projects to be located within 10 km of the National Parks, Sanctuaries, Biosphere Reserves, Migratory Corridors of Wild Animals, the project proponent shall submit the map duly authenticated by Chief Wildlife Warden showing these features vis-à-vis the project location and the recommendations or comments of the Chief Wildlife Warden-thereon

v. Wildlife Conservation Plan duly authenticated by the Chief Wildlife Warden of the State Government for conservation of Schedule I fauna, if any exists in the study area

vi. Copy of application submitted for clearance under the Wildlife (Protection) Act, 1972, to the Standing Committee of the National Board for Wildlife

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 PM10, PM2.5, SO2, NOX, CO and other parameters relevant to the project shall be collected. The monitoring stations shall be based CPCB guidelines and take into account the pre-dominant wind direction, population zone and sensitive receptors including reserved forests.

iii. Raw data of all AAQ measurement for 12 weeks of all stations as per frequency given in the NAQQM Notification of Nov. 2009 along with - min., max., average and 98% values for each of the AAQ parameters from data of all AAQ stations should be provided as an annexure to the EIA Report.

iv. Surface water quality of nearby River (100m upstream and downstream of discharge point) 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, if yes give details.

vi. Ground water 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 study of the area, type of vehicles, frequency of vehicles for transportation of materials, additional traffic due to proposed project, parking arrangement etc.

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 and Environment Management Plan

i. Assessment of ground level concentration of pollutants from the stack emission based on site-specific meteorological features. In case the project is located on a hilly terrain, the AQIP Modelling shall be done using inputs of the specific terrain characteristics for determining the potential impacts of the project on the AAQ. Cumulative impact of all sources of emissions (including transportation) on the AAQ of the area shall be assessed. Details of the model used and the input data used for modelling shall also be provided. The air quality contours shall be plotted on a location map showing the location of project site, habitation nearby, sensitive receptors, if any.

ii. Water Quality modelling - in case of discharge in water body

iii. Impact of the transport of the raw materials and end products on the surrounding environment shall be assessed and provided. In this regard, options for transport of raw materials and finished products and wastes (large quantities) by rail or rail-cum road transport or conveyor- cum-rail transport shall be examined.

iv. A note on treatment of wastewater from different plant operations, extent recycled and reused for different purposes shall be included. Complete scheme of effluent treatment. Characteristics of untreated and treated effluent to meet the prescribed standards of discharge under E(P) Rules.

v. Details of stack emission and action plan for control of emissions to meet standards.

vi. Measures for fugitive emission control

vii. Details of hazardous waste generation and their storage, utilization and management. Copies of MOU regarding utilization of solid and hazardous waste in cement plant shall also be included. EMP shall include the concept of waste-minimization, recycle/reuse/recover techniques, Energy conservation, and natural resource conservation.

viii. Proper utilization of fly ash shall be ensured as per Fly Ash Notification, 2009. A detailed plan of action shall be provided.

ix. Action plan for the green belt development plan in 33 % area i.e. land with not

less than 1,500 trees per ha. Giving details of species, width of plantation, planning schedule etc. shall be included. The green belt shall be around the project boundary and a scheme for greening of the roads used for the project shall also be incorporated.

x. Action plan for rainwater harvesting measures at plant site shall be submitted to harvest rainwater from the roof tops and storm water drains to recharge the ground water and also to use for the various activities at the project site to conserve fresh water and reduce the water requirement from other sources.

xi. Total capital cost and recurring cost/annum for environmental pollution control measures shall be included.

xii. Action plan for post-project environmental monitoring shall be submitted.

xiii. Onsite and Offsite Disaster (natural and Man-made) Preparedness and Emergency Management Plan including Risk Assessment and damage control. Disaster management plan should be linked with District Disaster Management Plan.

8) Occupational health

i. Plan and fund allocation to ensure the occupational health & safety of all contract and casual workers

ii. Details of exposure specific health status evaluation of worker. If the workers' health is being evaluated by pre designed format, chest x rays, Audiometry, Spirometry, Vision testing (Far & Near vision, colour vision and any other ocular defect) ECG, during pre-placement and periodical examinations give the details of the same. Details regarding last month analyzed data of above-mentioned parameters as per age, sex, duration of exposure and department wise.

iii. Details of existing Occupational & Safety Hazards. What are the exposure levels of hazards and whether they are within Permissible Exposure level (PEL). If these are not within PEL, what measures the company has adopted to keep them within PEL so that health of the workers can be preserved,

iv. Annual report of heath status of workers with special reference to Occupational Health and Safety.

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 process / procedures to bring into focus any infringement / deviation / violation of the

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

iii. What is the hierarchical system or Administrative order of the company to deal with the environmental issues and for ensuring compliance with the environmental clearance conditions? Details of this system may be given.

iv. Does the company have system of reporting of non compliances / violations of environmental norms to the Board of Directors of the company and / or shareholders or stakeholders at large? This reporting mechanism shall be detailed in the EIA report

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 operation phase.

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

12) A tabular chart with index for point wise compliance of above TOR.

SPECIFIC TERMS OF REFERENCE FOR EIA STUDIES FOR DISTILLERIES

1. List of existing distillery units in the study area along with their capacity and sourcing of raw material.
2. Number of working days of the distillery unit.
3. Details of raw materials such as molasses/grains, their source with availability.
4. Details of the use of steam from the boiler.
5. Surface and Ground water quality around proposed spent wash storage lagoon, and compost yard.
6. Plan to reduce spent wash generation within 6-8 KL/KL of alcohol produced.
7. Proposed effluent treatment system for molasses/grain based distillery (spent wash, spent lees, condensate and utilities) as well as domestic sewage and scheme for achieving zero effluent discharge (ZLD).
8. Proposed action to restrict fresh water consumption within 10 KL/KL of alcohol production.
9. Details about capacity of spent wash holding tank, material used, design

consideration. No. of peizometers to be proposed around spent wash holding tank.

10. Action plan to control ground water pollution.

11. Details of solid waste management including management of boiler ash, yeast, etc. Details of incinerated spent wash ash generation and its disposal.

12. Details of bio-composting yard (if applicable).

13. Action plan to control odour pollution.

14. Arrangements for installation of continuous online monitoring system (24x7 monitoring device)

Item No.201.07: Application for issuance of TORs for proposed Steel manufacturing unit namely "M/s SG Metals and Steels India Pvt. Ltd." at Village Shahpur, Khanna-Amloh Road, Tehsil Amloh, Mandi Gobindgarh, Distt. Fatehgarh Sahib, Punjab (Proposal No. SIA/PB/IND/63190/2021).

The project proponent has applied for issuance of TOR of M/s SG Metals and Steels India Pvt. Ltd. for proposed Steel manufacturing unit for the production capacity of 1,55,000 TPA Billets OR 1,50,000 TPA Strips/Bars using one Induction Furnace of capacity 25 TPH & rolling mill at Village Shahpur, Khanna-Amloh Road, Tehsil Amloh, Mandi Gobindgarh, Distt. Fatehgarh Sahib, Punjab. Project is covered under Schedule 3(a) & Category 'B1' as per EIA Notification, 2006. The Project cost is 26.4297 Cr.

The project proponent had submitted the Form I, Pre-feasibility report and other additional documents on online portal. He had also deposited the requisite fees amounting Rs. 66,050/- vide UTR No. N126211496140255 dated 06.05.2021 and Rs. 25/- vide UTR No. 114414745621 dated 24.05.2021. The Project Proponent has deposited 25% of the total fee prescribed for the Environmental Clearance being at ToR stage and the remaining 75% of the fee i.e. Rs. 1,98,223/- will be paid at the time of applying for Environmental Clearance. The Project Proponent was raised EDS on 19.05.2021 to which the Project Proponent submitted the reply.

The project proponent submitted an undertaking that the project site does not cover under the Forest Conservation Act, 1980 or Punjab Land Preservation Act, 1900, Wildlife area under Wildlife (Protection) Act, 1972. Further no litigation against the project is pending in any Court of Law and no construction activity relating to the project has been started. The project site neither fall in Eco-sensitive Zone nor in the boundary of critical polluted area. The project does not attract the generation condition and specific condition.

The project proponent during the presentation to the Committee be asked to present the applicability of General Condition, suitability of site, land details etc.

1.0 Deliberations during 201st meeting of SEAC held on 02.06.2021

The meeting was attended by the following:

1. Ms. Priyanka Madaan, EIA Coordinator, M/s Eco Laboratories Pvt Ltd.
2. Hansraj Garg, Director.

SEAC allowed the Environmental Consultant of the Project Proponent to present salient features of the project which he presented as under:

Sr.no.	Item	Details
1.	Name and Location of the project	Proposed steel manufacturing unit namely "SG Metals and Steels India Pvt. Ltd." at Village Shahpur, Khanna-Amloh Road, Tehsil Amloh, Mandi Gobindgarh, Distt. Fatehgarh Sahib, Punjab.
2.	Project/ activity covered under item of scheduled to the EIA Notification, 14.09.2006	The project falls under S. No. 3(a): Metallurgical Industries (ferrous & non ferrous).
3.	Whether the project is in critical polluted area or	No
4.	If the project involves diversion of forest land. If yes, a) Extent of the forest land. b) Status of the forest clearance.	No
5.	Is the project covered under PLPA, 1900, if No but located near to 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.	Project is not covered under PLPA, 1900 as well as not located near to PLPA area.

<table>
<tr><td>6.</td><td>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 National Board for Wild Life (NBWL).</td><td>No</td></tr>
<tr><td>7.</td><td>Classification/ Land use pattern as per Master Plan</td><td>The project falls in Industrial zone as per the Master plan of Mandi Gobindgarh, Punjab.</td></tr>
<tr><td>8.</td><td>Cost of the project</td><td>Rs. 26.42 Crores.</td></tr>
<tr><td>9.</td><td>Total Plot area, Built-up area and Green area</td><td>The details are given below:
<table>
<tr><th>S. No.</th><th>Description</th><th>Area (in sq.m.)</th></tr>
<tr><td>1.</td><td>Project land area</td><td>16717.65</td></tr>
<tr><td>2.</td><td>Proposed covered area</td><td>8550.64</td></tr>
<tr><td>3.</td><td>Green area</td><td>1338.28</td></tr>
<tr><td>4.</td><td>Passage area</td><td>4646.84</td></tr>
<tr><td>5.</td><td>Other areas</td><td>2181.87</td></tr>
</table></td></tr>
<tr><td>10.</td><td>Water Requirements & source in Construction Phase</td><td>During construction period, a water demand of 5 KLD may be there. This will include domestic demand for 50 workers during peak period @ 3 KLD.</td></tr>
<tr><td>11.</td><td>Treatment & Disposal arrangements of wastewater in Construction Phase</td><td>Septic Tank</td></tr>
</table>

The Project Proponent informed the Committee that it has not carried out any activity related to establishment of the project SEAC raised following observation to the Project Proponent:

Sr. No.	Observations	Reply
1.	As per the proposal, the Project Proponent has earmarked 1338.28 sqm. for green area in the total project area of 16717.65 sqm. which comes out to be around 8% only. However, as per the conditions of MoEF, the project proponent has to reserve 33% of the project area as green area.	The Project Proponent submitted that it has acquired 4.15 acres of land on lease basis from Sh. Ganesh Edibles Pvt. Ltd. for a lease period of 31 years. Out of 4.15 acres, green area will be developed on 1338.28 Sqm (8% of the total project area). It was further submitted that an Additional land of 18 Kanals 18 Marlas (around 2.3 acre) has been purchased in front of industry at a distance of approximately 50 meters from the project site to meet with the requirement of 33% of the green area.

SEAC observed that the Project Proponent has not reserved 33% of the project area as the green area within the premises of the proposed project and the condition of development of green area equal to 33% of the project area cannot be relaxed in case of new projects. It is possible at this stage for the Project Proponent to acquire adequate land at some other location keeping in mind the requirement of green area. Further, allowing such projects will set a wrong precedent for other projects, not meeting with the green area requirement, for grant of Environmental Clearance.

After detailed deliberations, SEAC decided to forward the case to SEIAA with the recommendation to deny the issuance of ToR for proposed Steel manufacturing unit namely "M/s SG Metals and Steels India Pvt. Ltd." at Village Shahpur, Khanna-Amloh Road, Tehsil Amloh, Mandi Gobindgarh, Distt. Fatehgarh Sahib, Punjab.

Item No 201.08: Application for Amendment in the Environmental Clearance granted under EIA notification dated 14.09.2006 for the steel manufacturing unit having capacity of 1,68,000 TPA of Steel Ingots/Billets by replacing existing induction furnace by M/s. Bansal Alloys & Metals Pvt. Ltd. (Unit I) Sirhind Side, Tehsil-Amloh, Mandi Gobindgarh, District- Fatehgarh Sahib, Punjab (Proposal No. SIA/PB/IND/212525/2021).

The project proponent i.e. M/s. Bansal Alloys & Metals Pvt. Ltd, Sirhind Side, Tehsil- Amloh, Mandi Gobindgarh, District- Fatehgarh Sahib, Punjab, was granted Environmental Clearance vide letter no. 1972 dated 08.09.2020 for expansion in the existing steel manufacturing unit having existing capacity of 36000 TPA of Steel ingots/billets to 1,68,000 TPA by replacing existing induction furnace.

Now, the project proponent has applied for obtaining amendment in the Environmental Clearance granted to it. The project proponent has submitted that earlier Environment Clearance was granted for installation of 02 No. induction furnaces of 20 TPH capacity each. However, due to upgradation in technology, it has been decided to install only 01 No. induction furnace having capacity of 30 TPH with 16 heats/day without change in production capacity of steel Ingots/Billets, Flats (HR Coil)/TMT Bars, Rounds, Channels etc i.e. 1,68,000 TPA, for which the Environment Clearance was granted. However, the new furnace will consume less electricity per unit of production.

Earlier, the Project Proponent at the time of Environment Clearance, deposited EC processing fee of Rs. 3,20,000/- dated 05.06.2020 through RTGS No.- HDFCR52020060582496040. As such, no fee is required at this stage as the application is just applied for obtaining amendment in the Environment Clearance already obtained by the Project Proponent.

1.0 Deliberations during 201st meeting of SEAC held on 02.06.2021

The meeting was attended by the following:

1. Sh. Sital Singh, EIA Coordinator, M/s CPTL, Mohali.
2. Vijay Bansal, on behalf of Project Proponent.

SEAC raised following observations to the Project Proponent.

Sr. no.	Observations	Reply
1.	The Project Proponent is required to submit the compliance report of the conditions imposed in the previous	Submitted. The Project Proponent has obtained Consent to Operate under Air Act, 1981

	Environmental Clearance granted to the Project Proponent.	and Water Act, 1974 from PPCB with validity of both the Consents upto 31.03.2024. It has also obtained authorization for the disposal of Hazardous Waste from PPCB with validity upto 31.03.2024. It is also monitoring ambient air quality, ground water, noise level monitoring, work zone environment from NABL approved laboratory and submitted the analysis reports.
2.	The Project Proponent is required to submit an undertaking to the effect that there will be no change in the production capacity with the amendment as sought by the Project Proponent.	Submitted

SEAC was satisfied with the reply and took it on record.

SEAC observed that the amendment as sought by the Project Proponent is only on account of change in number of furnaces without change in production capacity as well as raw material utilization, process etc. As such, the case can be considered for issuing amendment in the Environment Clearance.

After detailed deliberations, SEAC decided to forward the case to SEIAA with the recommendation to issue amendment in the Environment Clearance granted under EIA Notification vide no. 1972 dated 08.09.2020, as under:

Machinery for which Amendment is sought	**Before Amendment**	**After Amendment**
Induction furnaces	2 No. furnaces of 20 TPH capacity each	1 No. furnace of 30 TPH capacity

Item No 201.09: Application for amendment in the Environmental clearance granted under the EIA notification dated 14.09.2006 for steel manufacturing unit located in the revenue estate of village Alour, Bhadla Road, Tehsil- Khanna, District-Ludhiana, Punjab by M/s H.L. Chopra Steel Rolling Mills (Proposal no SIA/PB/IND/212706/2021).

The project proponent was granted Environmental Clearance vide no. 1601 dated 20.05.2020 for expansion of existing manufacturing unit by addition of 3 nos. induction furnaces of capacity 12 TPH each with production capacity of Steel Billets/Ingots @ 1,51,200 TPA & increase in the capacity of rolling mill upto 1,40,000TPA located in the revenue estate of village Alour, Bhadla Road, Tehsil- Khanna, District-Ludhiana, Punjab by M/s H.L. Chopra Steel Rolling Mills.

Now, the project proponent has applied for obtaining amendment in the Environmental Clearance granted to it. Earlier, the Environment Clearance was granted for installation of 03 no. induction Furnaces of 12TPH capacities each. The Project Proponent has submitted that now, due to upgradation in technology, two induction furnaces having capacities of 20 TPH and 15 TPH will be installed without any change in raw material, process, products.

Earlier, the Project Proponent at the time of Environment Clearance, deposited EC processing fee of Rs. 2,60,000/- and Rs. 800/- on 13.09.2019 and 13.12.2019 respectively through NEFT. As such, no fee is required at this stage as the application is just for obtaining amendment in the Environment Clearance already obtained by the Project Proponent.

1.0 Deliberations during 201st meeting of SEAC held on 02.06.2021

The meeting was attended by the following:

1. Sh. Sital Singh, EIA Coordinator, M/s CPTL, Mohali.
2. Gaurav Chopra, Partner, on behalf of Project Proponent.

SEAC raised following observations to the Project Proponent.

Sr. no.	Observations	Reply
1.	The Project Proponent is required to submit compliance report of the conditions imposed in the previous Environmental Clearance granted to the Project Proponent.	Submitted. The Project Proponent had obtained Consent to Operate under Air Act, 1981 and Water Act, 1974 from PPCB with validity of both the Consents upto

		31.03.2021 and applied for renewal of both the Consents. It has also obtained authorization for the disposal of Hazardous Waste from PPCB with validity upto 30.09.2021. It is also monitoring ambient air quality, ground water, noise level monitoring from NABL approved laboratory and submitted the analysis reports.
2.	The Project Proponent is required to submit an undertaking to the effect that there will be no change in the production capacity with the amendment as sought by the Project Proponent.	The Project Proponent submitted an undertaking that the production capacity will remain the same after the proposed amendment.

SEAC was satisfied with the reply and took it on record.

SEAC observed that the amendment as sought by the Project Proponent is only on account of change in number of furnaces without change in production capacity as well as raw material utilization, process etc. As such, the case can be considered for issuing amendment in the Environment Clearance.

After detailed deliberations, SEAC decided to forward the application to SEIAA with the recommendation to issue amendment in the Environment Clearance granted under EIA notification vide no. 1601 dated 20.05.2020, as under:

Machinery for which Amendment is sought	**Before Amendment**	**After Amendment**
Induction furnaces	3 No. furnaces of 12TPH capacity each.	2 No. furnaces of 20 TPH & 15 TPH capacity.

Item No.201.10: Application for Environmental Clearance for manufacturing of 1,05,000 TPA of Alloys/Non Alloys Steel Billets/Ingots and 1,00,000 TPA of Structural Steel (Round, Coil, Flats, Wire Rod, TMT Bars) by upgrading existing Furnace of 10TPH, additional of one no. IF of capacity 15TPH, a concast and a Rolling Mill having capacity 15TPH respectively at Village Bhagwanpura, Dehlon Road, Tehsil Ludhiana East, District Ludhiana, Punjab by M/s J.N. Tayal Steels Pvt. Ltd. (Proposal No. SIA/PB/IND/63124/2020).

The project proponent has applied for Environmental Clearance of M/s J.N. Tayal Steels Pvt. Ltd. for manufacturing of 1,05,000 TPA of Alloys/Non Alloys Steel Billets/Ingots and 1,00,000 TPA of Structural Steel (Round, Coil, Flats, Wire Rod, TMT Bars) by upgrading existing Furnace of 10TPH, additional of one no. IF of capacity 15TPH, a Concast and a Rolling Mill having capacity 15TPH respectively at Village Bhagwanpura, Dehlon Road, Tehsil Ludhiana East, District Ludhiana, Punjab project is covered under Schedule 3(a) & Category 'B1' as per EIA Notification, 2006. The Project cost is 12.91 Cr.

The Project was issued Terms of Reference for carrying out EIA study for obtaining Environmental Clearance under EIA notification dated 14.09.2006 vide letter no. SEIAA/MS/2020/3252 dated 05.11.2020.

The Project Proponent earlier at the time of ToR submitted Rs. 32,275/- (25% of the total fee) vide NEFT No. SBIN20071284811 dated 11.03.2020. They have also deposited the processing fee amounting to Rs. 96,825/- through NEFT No. SBIN321124690284 dated 04.05.2021. Construction status report from the Regional Office 4, Ludhiana Punjab Pollution Control Board was obtained at the time of issuance of ToR and as per the report no construction activity was carried out w.r.t expansion of the industry. The Project Proponent has now submitted EIA report.

1.0 Deliberations during 201st meeting of SEAC held on 02.06.2021

The meeting was attended by the following:

1. Sh. Sital Singh, EIA Coordinator, M/s CPTL, Mohali.
2. Mohan Tayal, Director, on behalf of Project Proponent.

SEAC allowed the Environmental Consultant of the Project Proponent to present salient features of the project which he presented as under:

<table>
<tr><td>1.</td><td>Nature of project (EC for new project/EC for Expansion/ EC for existing & proposed project)</td><td>EC for existing & proposed project</td></tr>
<tr><td>2.</td><td>a) Category
b) Activity
(As per schedule appended to EIA Notification, 2006 as amended time to time)</td><td>(a) B-1
(b) Metallurgical Industries (ferrous & non-ferrous) (8), Schedule 3(a) as per EIA notification-2006.</td></tr>
<tr><td>3.</td><td>a. Whether the project falls in the critical polluted area notified by MoEF&CC/CPCB. (Yes/No)
b. If no and the proposed project site lies in the same or neighbouring district of critically polluted area, then details the distance of project site from the boundary of critically polluted area verified by the regional office of SPCB.
c.</td><td>The project site falls 6.20 km from M.C. limit of Ludhiana. Letter no.- 3684 DTP(L)/-M2A dated 25/11/2019 is obtained and submitted</td></tr>
<tr><td>4.</td><td>Total Project Cost (In Crores):</td><td>Total Project Cost (In Crores): Rs. 12.91 Crore
<table>
<tr><th>Existing Cost (Rs. in Crores)</th><th>Proposed Cost (Rs. in Crores)</th><th>Total Cost (Rs. in Crores)</th></tr>
<tr><td>4.91</td><td>8.0</td><td>12.91</td></tr>
</table></td></tr>
<tr><td>5.</td><td>Amount of EC Processing Fee deposited by NEFT/DD (Rs. In Lacs)</td><td>25% of the total project cost i.e. a sum of Rs. 32,275/- has been submitted through RTGS vide UTR No. SBIN120071284811 dated 11/03/2020 and rest 75% of total project i.e. Rs. 96,825/- has been submitted through NEFT vide UTR no.- SBIN321124690284 on dated 04/05/2021.</td></tr>
<tr><td>6.</td><td>Total Area (m^2)</td><td>11537.73</td></tr>
</table>

7.	Type of project land as per master plan (Industrial/Agriculture/Any other),	As per master plan of Ludhiana, site falls in Industrial Zone.
8.	ToR compliance report	Submitted.
9.	Compliance report of public hearing proceedings (Action Taken)	Submitted
10.	c. Whether any litigation pending against the project or any direction/order passed by SPCB/ Court of Law against the project, if so, details there of shall also be included. d. 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.	(a) No (b) No
11.	Raw material details:	

S. No.	Raw Materials	Existing (TPA)	Proposed (TPA)	Total (TPA)
1.	MS Scrap	32,500	82,900	1,15,400
2.	Ferro Alloys	1,050	3,150	4,200

12. Production Capacity details:

Product Name	Existing (TPA)	Additional (TPA)	Total (TPA)
Alloy/Non Alloys Steel Billets/ Ingots	29,610	75,390	1,05,000
Structural Steel (Round, Coil, Flats, Wire Rod, TMT Bars)	Nil	1,00,000	1,00,000

13. Details of major productive machinery/plant:

S. No.	Description	Existing	Proposed	After Expansion
1.	Induction Furnace	08 TPH (to be upgraded	01X10TPH 01X15 TPH	01X10TPH 01X15 TPH
2.	Rolling Mill	---	15Ton/hr	15 Ton/hr.
3.	D.G. Set	125 KVA – 01 No.	Nil	125 KVA 01 No.
4.	CCM	Nil	01 No.	01 No.

14. Details of Emissions (After expansion)

Existing				
S. No.	**Source of stack emission**	**Capacity**	**Stack height (m)**	**APCD**
1.	Induction Furnace	8 TPH	30m above ground level	Bag Filter House
2.	D.G. Set	1X125kVA	2.5m above roof level	---
After Expansion				
1.	Induction Furnace	1X10 TPH, 1X15 TPH	30m above ground level	Pulse Jet bag filter with offline cleaning technology.
2.	D.G. Set	1X125kVA	2.5m above roof level	---

<table>
<tr><td>15.</td><td>Hazardous/Non-Hazardous Waste Generation details & their storage, utilization and its disposal. Copy of Agreement clearly mentioning the Quantity</td><td>
<table>
<tr><th>S. No</th><th>Waste Category</th><th>Existing</th><th>After Expansion</th><th>Disposal</th></tr>
<tr><td>1.</td><td>35.1 Flue gas Cleaning residue</td><td>1.8 TPA</td><td>101 TPA</td><td>To be Disposed to TSDF, Nimbuan</td></tr>
<tr><td>2.</td><td>5.1 Used oil/Spent oil</td><td>0.03kl/Annum</td><td>0.05kl/ Annum</td><td>Authorized Recyclers/Lubricant within the industry</td></tr>
</table>
</td></tr>
<tr><td>16.</td><td>Solid Waste generation and its mode of disposal:</td><td>
<table>
<tr><th>Details</th><th>Unit</th><th>Total Quantity after expansion</th><th>Disposal method</th></tr>
<tr><td>Domestic Solid Waste</td><td>Kg/Day</td><td>40 Kg/Day</td><td>Piggery Farmers</td></tr>
<tr><td>Slag</td><td>TPD</td><td>28.11 TPD</td><td>M/s Jindal sons, 802/A, Cemetery Road, Civil Lines, Near Govt, Model School, Ludhiana.</td></tr>
</table>
</td></tr>
<tr><td>17.</td><td>Waste water generation & its disposal Arrangement in Operation Phase:</td><td>
<table>
<tr><th>S. No.</th><th>Description</th><th>Existing</th><th>After Expansion</th><th>Mitigation Measures</th></tr>
<tr><td>1.</td><td>Industrial Effluent</td><td>NIL</td><td>NIL</td><td>No generation of industrial effluent</td></tr>
<tr><td>2.</td><td>Domestic</td><td>3.6 KLD</td><td>6.0 KLD</td><td>STP of 10.0 KLD will be installed & treated water used in Plantation/Green area</td></tr>
</table>
</td></tr>
<tr><td>18.</td><td>Details of the block in which the project site is located as per CGWA guideline (Notified/ Non-Notified area and name of block)</td><td>The project site falls in Samrala block which is non- notified by CGWA.</td></tr>
</table>

<table>
<tr><td>19.</td><td>Breakup of Water Requirements & its source in Operation Phase:</td><td>
<table>
<tr><th>S. No.</th><th>Description</th><th>Existing water demand (KLD)</th><th>Proposed water demand (KLD)</th><th>Total water demand (KLD)</th></tr>
<tr><td>1.</td><td>Domestic water demand</td><td>3.0</td><td>4.5</td><td>7.5</td></tr>
<tr><td>2.</td><td>Make up water demand for cooling purpose</td><td>8.0</td><td>15.0</td><td>23.0</td></tr>
<tr><td colspan="2">Total</td><td>11.0</td><td>19.5</td><td>30.5</td></tr>
<tr><td>3.</td><td>Green area water demand</td><td colspan="3">19.8 KLD</td></tr>
</table>
Sources of water:
<table>
<tr><th>S.No.</th><th>Purposes</th><th>Source of water</th></tr>
<tr><td>1.</td><td>Domestic</td><td>Ground water</td></tr>
<tr><td>2.</td><td>Make-up water demand for cooling</td><td>Treated water</td></tr>
<tr><td>4.</td><td>Green area water demand</td><td>Treated water</td></tr>
</table>
</td></tr>
<tr><td>20.</td><td>Water balance chart for Summer, Rainy and Winter seasons (Submitted/Not Submitted)</td><td>Submitted.</td></tr>
<tr><td>21.</td><td>Rain Water utilization proposal during monsoons</td><td>Submitted.</td></tr>
<tr><td>22.</td><td>Rain Water Harvesting proposal (within/outside premises) alongwith NOC from concerned village sarpanch</td><td>Outside: The industrial unit has adopted one village pond for rain water harvesting at Village Paddi. The total recharge potential will be 27,316 m^3. Further, all the waste water of nearby Salani village which will be directed towards the village pond will be first treated in trenches through CSIR-NEERI's Phytorid waste water treatment technology and overflow water will be discharged into the pond.

Inside: - a tank of 15 KLD is proposed for inside rain water harvesting using roof top of the project site.</td></tr>
<tr><td>23.</td><td>Block wise details of no. of trees to be planted in proposed</td><td>Area allocation for green belt: 33% i.e. 3810.40 m^2 of total area as per MoEF&CC stipulated norms will be developed as the green belt. A total of 571 trees will be planted. 100 trees have already been planted.</td></tr>
</table>

<table>
<tr><td></td><td>greenbelt area (1500 Trees to be planted @ 10000 Sqm area):</td><td>Selection of plant species: Existing tree species are Shisham, Mango, Safeda, and Kachnar. Tree species like Mulberry, Bungania and False Ashok will be planted.
Action plan & estimated budgetary allocation for proposed green belt development
The proposed green belt in an area of 3810.40 m^2will be developed in phase wise manner viz. plantation will be done in Phase-wise manner
Phase I (June 2021) – 157 plants will be planted
Phase II (June 2022) – 157 plants will be planted
Phase III (June 2023)- 157 plants will be planted
Budgetary allocation: ₹. 2.5 Lakhs under EMP cost.</td></tr>
<tr><td>24.</td><td>a. Energy requirements & savings:

b. Energy saving measures to be adopted within industry:</td><td>a. The details of the energy are given below:
<table>
<tr><th>S. No.</th><th>Description</th><th>Unit</th><th>Existing</th><th>Proposed</th><th>Total</th></tr>
<tr><td>1.</td><td>Power load</td><td>KW</td><td>4000</td><td>12000</td><td>16000</td></tr>
<tr><td>2.</td><td>D.G sets</td><td>KVA</td><td>125</td><td>Nil</td><td>125</td></tr>
<tr><td></td><td>Any other</td><td>--</td><td>--</td><td>--</td><td>--</td></tr>
</table>
<u>Energy Saving measures:</u>
a) LEDs will be used in place of CFL
b) Solar lights will be used for lighting the streets</td></tr>
<tr><td>25.</td><td>a. EMP Budget details

b. Details of Environment Management Cell (EMC) responsible for implementation of EMP</td><td>a. EMP budget details:
<table>
<tr><th>S. No</th><th>Title</th><th>Capital Cost ₹ Lakh</th><th>Recurring Cost ₹ Lakh</th></tr>
<tr><td>1</td><td>Pollution Control during construction stage</td><td>2.0</td><td>---</td></tr>
<tr><td>2</td><td>Air Pollution Control (Installation of APCD)</td><td>98.0</td><td>5.0</td></tr>
<tr><td>3</td><td>Water Pollution Control (Installation of STP @ 10 KLD)</td><td>12.0</td><td>1.00</td></tr>
<tr><td>4</td><td>Green Belt development</td><td>2.5</td><td>0.6</td></tr>
<tr><td>5</td><td>Noise Pollution Control</td><td>1.0</td><td>0.1</td></tr>
<tr><td>6</td><td>Solid/ Hazardous Waste Management</td><td>7.5</td><td>---</td></tr>
<tr><td>7</td><td>Environment Monitoring and Management</td><td>5.0</td><td>0.10</td></tr>
<tr><td>8</td><td>Occupational Health, Safety and Risk Management</td><td>10.0</td><td>0.50</td></tr>
<tr><td>9</td><td>RWH</td><td>10.0</td><td>0.50</td></tr>
<tr><td>10</td><td>Miscellaneous</td><td>4.0</td><td>--</td></tr>
<tr><td></td><td>TOTAL</td><td>₹152</td><td>₹7.8</td></tr>
</table></td></tr>
</table>

		A duly constituted EMC comprises the following: 1. Owner/ Director 2. GM (Works) 3. Environment Consultant
26.	Project area involves forest land, (Yes/No), **If yes,** then details of the the extent of area involved and copy of permission & approval for the use of forest land	Already existing unit
27.	Traffic Study Details:	Submitted

The Project Proponent during the presentation informed that the APCD installed on existing 8 TPH furnace shall be upgraded to handle 75000 m^3/hr gas volume being generated from the proposed furnace of 10 TPH capacity. Further, separate APCD equipped with bag filter house for handling 125000 m^3/ hr, designed from PSCST is proposed for 15 TPH furnace. Further, APCD dust will be disposed off to TSDF site Nimbuan. The Project Proponent has also filed an application to Punjab Water Regulation and Development Authority (PWRDA) for obtaining permission for ground water extraction. The above details have also been submitted by the Project Proponent vide letter dated 02.06.2021.

SEAC was satisfied with the presentations and took it on record.

After detailed deliberations, SEAC decided to award **'Silver Grading'** to the project proposal under category B1, Activity 3(a) as per EIA notification 2006 and to forward the application to SEIAA with the recommendations to grant Environmental Clearance for manufacturing of 1,05,000 TPA of Alloys/Non Alloys Steel Billets/Ingots and 1,00,000 TPA of Structural Steel (Round, Coil, Flats, Wire Rod, TMT Bars) by upgrading existing 8 TPH furnace to 10TPH capacity, additional 1 No. furnace of 15TPH capacity, a concast and a Rolling Mill having capacity 15TPH respectively at Village Bhagwanpura, Dehlon Road, Tehsil Ludhiana East, District Ludhiana, Punjab by M/s J.N. Tayal Steels Pvt. Ltd as per the details mentioned in the Form, EIA report, EMP & subsequent presentation /clarifications made by the Project Proponent and his Consultant subject to conditions 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 groundwater 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 the competent authority.

vi. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.

vii. The project proponent shall comply with the siting criteria, standard operating practices, code of practice and guidelines if any prescribed by the SPCB/CPCB/MoEF&CC for such type of units.

viii. The project proponent shall comply with the CLU conditions imposed by the competent authority, if any.

II. Air quality monitoring and preservation

i. The project proponent shall install 24x7 continuous emission monitoring system at the inlet as well as at the outlet (stack) of each APCD to monitor the SPM concentration with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R 277 (E) dated 31st March 2012 (applicable to IF/EAF) as amended from time to time; S.O. 3305 (E) dated 7th December 2015 (Thermal Power Plants) as amended from time

to time) and connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.

ii. The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through laboratories recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.

iii. The project proponent shall install a system to carry out Manual Ambient Air Quality monitoring for parameters relevant to the main pollutants released (e.g. PM_{10} and $PM_{2.5}$in reference to PM emission, and $S0_2$ and NOx in reference to $S0_2$ and NOx emissions) within and outside the plant area (at least at four locations one within and three outside the plant area at an angle of 120° each), covering upwind and downwind directions.

iv. The project proponent shall submit monthly summary report of continuous stack emission and air quality monitoring and results of manual stack monitoring and manual monitoring of air quality/ fugitive emissions to the Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.

v. Appropriate Air Pollution Control (APC) system shall be provided for all the dust-generating points including fugitive dust from all vulnerable sources.

vi. The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.

vii. Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, etc. regularly.

viii. Recycle and reuse of iron ore fines, coal and coke fines, lime fines and such other fines collected in the pollution control devices and vacuum cleaning devices in the process after briquetting/ agglomeration should be ensured.

ix. The project proponent shall use leak-proof trucks/dumpers carrying coal and other raw materials and cover them with tarpaulin.

x. The project proponent shall provide covered sheds for raw materials like scrap and sponge iron, lump ore, coke, coal, etc.

xi. The project proponent shall provide primary and secondary fume extraction system at all melting furnaces.

xii. Design and implementation of the ventilation system for adequate air changes as per the ACGIH document for all tunnels, motor houses, Oil Cellars should be ensured.

III. Water quality monitoring and preservation

i. The project proponent shall monitor regularly ground water quality at least twice a year (pre and post-monsoon) at sufficient numbers of piezometers/sampling wells in the plant and adjacent areas through labs recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories.

ii. The project proponent shall adhere to 'Zero Liquid Discharge'.

iii. Sewage Treatment Plant of capacity 10 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 the maximum possible extent. For this, a pond at village Paddi, District- Ludhiana having recharge potential of volume @ 27,316m^3 shall be adopted to recharge the water @ 21,352m^3/annum. As an additional safety measure, the stream carrying waste water of the village shall be diverted in one corner of Phytorid plants trench (designed based on the technology developed by CSIR-NEERI's) divided into different parts, the overflow of each chamber shall be allowed to enter into another chamber which will ultimately lead to the purification of water and collected into the pond to avoid any contamination of ground water aquifer. Pond water will percolate through natural strata (without injection) to augment the ground water and remaining water shall be used for irrigation purposes by pumping method in the nearby fields.

vi. A tank of 10 KLD shall be constructed for inside rain water harvesting using roof top of the project site.

vii. 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 of 3810 Sqm (equal to 33% of the plant area) with tree species in accordance with SEIAA guidelines. Total 571 trees like Amaltas, Arjun, Jamun, Mulberry, Mango, Amla, Poplar, Jamun, Arjun, Ashoka, Sagwan will be planted in phase manner to be planted without accounting the shrubs.

VIII. Public hearing and Human health issues

i. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.

ii. The project proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms of Factory Act.

iii. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.

iv. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.

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

IX. Environment Management Plan

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

ii. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of Senior Executive, who will directly report to the head of the organization.

iii. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. The project proponent shall spend a minimum amount of Rs 152Lacs towards the capital cost and Rs 7.8 Lacs/annum towards recurring cost including the environmental monitoring cost for the implementation of EMP as proposed in following EMP plan.

Sr. No.	Title	Capital Cost Rs. Lakh	Recurring Cost Rs. Lakh
1	Pollution Control during construction stage	98.0	5.0
2.	Air Pollution Control (Installation of APCD)	12.0	1.00
3.	Water Pollution Control/ STP up-gradation	2.5	0.6

4.	Noise Pollution Control	1.0	0.1
5.	Green belt Development	7.5	---
6.	Solid Waste Management	5.0	0.10
7.	Occupational Health, Safety and Risk Management	10.0	0.50
8.	RWH	10.0	0.50
9.	Miscellaneous	4.0	--
	Total	**₹152 Lakh**	**₹7.8 Lakhs**

Year-wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six-Monthly Compliance Report. Year-wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six-Monthly Compliance Report.

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

v. All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the plants shall be implemented.

XI. 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

XII. 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, S02, NOx (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 ElA /EMP report, commitment made during Public Hearing and also that during their presentation to the SEAC and SEIAA.

x) No further expansion or modifications in the 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.

XIII. Additional Specific Conditions decided during the meeting of SEAC:

i) The project proponent shall install Side Suction Hood followed by Pulse-jet Bag filter with offline cleaning technology as APCD as per the amount indicated in the revised Environment Management Plan. Further, they will upgrade existing APCD of flow rate 36000m3/hr to 75000m3/hr for 1no. proposed induction furnace (10TPH) and will install separate Air Pollution Control Devices (Pulse jet bag filter with offline cleaning technology) for another one proposed Induction Furnace of 15 TPH capacity. The flow rate for APCD will be 1,25,000m3/hr.

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 NOC from CGWA/Concerned Authority for abstraction of ground water @ 41.3 KLD to meet the requirement of Industrial, domestic & green belt.

v) The project proponent shall construct rain water tank of capacity 15KLD to store rain water run off generated from the roof top during monsoon season within its premises.

vi) The project proponent shall dispose of slag @ 28.11TPD as per the agreement made with the interlocking tile manufacturing units.

vii) The project proponent shall dispose of APCD dust @ 0.29 TPD to TSDF site, Nimbua

viii) 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.

ix) The project proponent shall provide STP of 10KLD for treatment of waste water & reutilization of the treated water for non- portable use 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.

x) The project proponent shall 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.

xi) The project proponent shall monitor the Ground water for heavy metals in addition to routine parameters pre-monsoon and post monsoon. Atleast 3 samples i.e one from within the premises and two from outside the premises of the project shall be taken.

xii) 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.

xiii) 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.

xiv) Whole of the vehicle movement area as well as 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.

xv) 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.

xvi) The project proponent shall adopt green technologies to conserve water & energy. Also, provide abrasive resistant fire bricks in the crucibles to reduce the periodic maintenance & disposal of discarded fire bricks.

xvii) The project proponent shall use natural gas (if available) as substitute fuel wherever possible in the existing industry/ for the expansion project.

xviii) 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.201.11: Application for Environmental Clearance for steel manufacturing unit having existing capacity 25,200 TPA of steel Ingots to 1,05,000 TPA of Steel Ingots/Billets & 80,000 TPA of Round, Square, TMT Bars, Angle, Channel, Flats etc by replacing existing induction furnace with 2 no's of induction furnaces having capacity 1X10TPH & 1X15TPH and a Rolling Mill Village Tooran, Amloh Road, Tehsil- Amloh, District Fatehgarh Sahib, Punjab by M/s Shiva Casting Pvt. Ltd. (Proposal No. SIA/PB/IND/25954/2018).

The project proponent has applied for Environmental Clearance of M/s Shiva Casting Pvt. Ltd. for expansion in Environmental Clearance for steel manufacturing unit having existing capacity 25,200 TPA of steel Ingots to 1,05,000 TPA of Steel Ingots/Billets & 80,000 TPA of Round, Square, TMT Bars, Angle, Channel, Flats etc by replacing existing induction furnace with 2 no's of induction furnaces having capacity 1X10TPH & 1X15TPH and a Rolling Mill at Village Tooran, Amloh Road, Tehsil- Amloh, District Fatehgarh Sahib, Punjab. Project is covered under Schedule 3(a) & Category 'B1' as per EIA Notification, 2006. The Project cost is 15.12 Cr.

The Project was issued Terms of Reference for carrying out EIA study for obtaining Environmental Clearance under EIA notification dated 14.09.2006 vide letter no. SEIAA/2018/922 dated 16.07.2018.

The Project Proponent has now submitted EIA report and is placed before the Committee. The Project Proponent has also deposited the processing fee amounting to Rs. 1,51,200/- through NEFT No. 24146183911dated 10.05.2021 against the total project cost of Rs. 15.12 Cr.

PPCB was requested to send the latest construction status report of the project through e-mail on 13.05.2021.

1.0 Deliberations during 201st meeting of SEAC held on 02.06.2021

The case was considered by SEAC in its 201st meeting held on 02.06.2021 and was attended by the following:

1. Sh. Sital Singh, EIA Coordinator, M/s CPTL, Mohali.
2. Sajal Jindal, Director, on behalf of Project Proponent.

SEAC observed that Punjab Pollution Control Board vide letter no. 2176 dated 01.06.2021 had sent the latest construction status report and the contents of the report are given as under:

"In reference to above referred e-mail, it is intimated that the subject cited industry has applied for obtaining Environmental Clearance for expansion of steel manufacturing unit by replacing the existing induction furnace of capacity 7 TPH with 02 No. Induction furnaces having capacity 10 TPH & 15 TPH and one no. of Rolling Mill at village Tooran, Amloh Road, Mandi Gobindgarh, Distt. Fatehgarh Sahib. The proposed site of the industry was visited by the officer of the Board on 20/05/2021 and the point wise compliance are as under:

Sr. No.	***Information sought***	***Comments of the Board***
1.	*Construction status of the proposal.*	*The industry has not started any construction activity w.r.t. proposal of the project.*
2.	*Status of physical structures within 500 m radius of the site including the status of industries, if any.*	*The proposed site of the industry is surrounded by industrial units and as verified from the Google Earth the following physical structures are located within a radius of 500 meter:* *i) M/s Unipearl Alloys, Village Tooran, Amloh Road, Mandi Gobindgarh.* *ii) M/s Solitaire Pipes & Tubes, Vill Tooran, Amloh Road, Mandi Gobindgarh.* *iii) M/s Simran Steel Industries, Vill. Tooran, Amloh Road, Mandi Gobindgarh.* *iv) M/s Shri Shyam Steel And Wire Industries, Near Harbans Cold Store, Village Tooran, Amloh Road, Mandi Gobindgarh.* *v) M/s Shree Ganesh Alloys, Amloh Road, Vill Tooran, Mandi Gobindgarh.* *vi) M/s Samana Concast, Amloh Road, Vill. Tooran, Mandi Gobindgarh.* *vii) M/s Raghunath Steel Rolling Mills L/o B.S. Steel Rolling Mills, Vill. Tooran, Mandi Gobindgarh.* *viii) M/s Punjab Steels, Amloh Road, Vill. Tooran, Mandi Gobindgarh.* *ix) M/s P.S. Ubhi Steel Industries, Vill. Tooran, Amloh Road, Mandi Gobindgarh.* *x) M/s Micro Alloys Steel, Vill. Tooran, Amloh Road, Mandi Gobindgarh.* *xi) M/s Mahadeva Special Steels L/o Anj Metal Recycling Pvt. Ltd, Vill Tooran, Mandi Gobindgarh.* *xii) M/s Bhambri Steel Pvt. Ltd, Amloh Road, Vill. Tooran, Mandi Gobindgarh.* *xiii) M/s Bhambri Cold Storage, Village Tooran, Mandi Gobindgarh.* *xiv) M/s Dasmesh Castings Pvt. Ltd., Vill. Jalalpur, Amloh Road, Mandi Gobindgarh*

		xv) M/s Dasmesh Alloys, Vill. Kumbh, Amloh Road, Mandi Gobindgarh. *xvi) M/s Ved Jyoti Alloys Pvt. Ltd., Vill. Jalalpur, Amloh Road, Mandi Gobindgarh.* *xvii) M/s Rosha Alloys Pvt. Ltd., Amloh Road, Mandi Gobindgarh.*
3.	*Whether the site meets with the prescribed criteria for setting up of such units.*	*The industry is an existing unit and has proposed to increase the capacity of plant by replacing existing Induction furnace with 2 no. of Induction Furnace having capacity 1x10 TPH & 1x15 TPH and a Rolling Mill in its existing premises. The site of the industry having latitude & longitude (30.64199 and 76.26761). As per Master Plan of Mandi Gobindgarh the site of the industry falls in the industrial area. There are no specific siting guidelines framed by the Board for such type of industries, as such the site is suitable for the proposed expansion project.*

SEAC observed that the Project Proponent has not started any construction activity at the site.

SEAC allowed the Environmental Consultant of the Project Proponent to present salient features of the project which he submitted as under:

<table>
<tr><td>1.</td><td>Nature of project</td><td>EC for existing & proposed project</td></tr>
<tr><td>2.</td><td>a) Category
b) Activity
(As per schedule appended to EIA Notification, 2006 as amended time to time)</td><td>(a) B-1
(b) Metallurgical Industries (ferrous & nonferrous) (8), Schedule 3(a) as per EIA notification-2006.</td></tr>
<tr><td>3.</td><td>Whether the project falls in the critical polluted area notified by MoEF&CC/CPCB. (Yes/No)</td><td>The site falls near Mandi Gobindgarh which is not a critically polluted area.</td></tr>
<tr><td>4.</td><td>Total Project Cost (In Crores) :</td><td>Total Project Cost (In Crores) : Rs. 15.12 Crore
<table><tr><th>Existing Cost (Rs. in Crores)</th><th>Proposed Cost (Rs. in Crores)</th><th>Total Cost (Rs. in Crores)</th></tr><tr><td>3.12</td><td>12.0</td><td>15.12</td></tr></table></td></tr>
<tr><td>5.</td><td>Amount of EC Processing Fee</td><td>Fee amount of Rs. 1,51,200/- submitted though NEFT – 24146183911 on dated 10.05.2021.</td></tr>
</table>

	deposited by NEFT/DD (Rs. In Lacs)	
6.	Total Area (m^2)	9158.92 m^2
7.	Type of project land as per master plan (Industrial/Agriculture/Any other)	As per master plan of Mandigobindgarh, site falls in Industrial Zone.
8.	ToR compliance report	Submitted.
9.	Compliance report of public hearing proceedings (Action Taken)	Submitted
10.	a. Whether any litigation pending against the project or any direction/order passed by SPCB/ Court of Law against the project, if so, details there of shall also be included. b. 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.	(a) No (b) No

11. Raw material details:

S. No	Raw Materials	Existing (TPA)	Proposed (TPA)	Total (TPA)
1.	MS Scrap & Ferro alloys	28,225	88,325	1,16,550

12. Production Capacity details:

Product Name	Existing (TPA)	Additional (TPA)	Total (TPA)
Steel Ingots/Billets	25,200	79,800	1,05,000
Rounds, Square, TMT/MS Bars, Angles, Channels, Flats	Nil	80,000	80,000

13. Details of major productive machinery/plant:

S. No.	Description	Existing	Proposed	After Expansion
1.	Induction Furnace	07 TPH (to be replaced)	01X10TPH, 01X15 TPH	01X10TPH 01X15 TPH
2.	Rolling Mill	---	01 No.	01 No.
3.	D.G. Set	82.5 KVA – 01 No.	200 KVA – 01 No.	82.5 KVA & 200 KVA

14. Details of Emissions (After expansion)

	Existing			
S. No.	**Source of stack emission**	**Capacity**	**Stack height (m)**	**APCD**
1.	Induction Furnace	7 TPH	30m above ground level	Bag Filter House
2.	D.G. Set	1X82.5 kVA	2.5m above roof level	---
	After Expansion			
3.	Induction Furnace	1X10 TPH, 1X15 TPH	30m above ground level	Pulse Jet bag filter with offline cleaning technology.
4.	D.G. Set	82.5 KVA & 200 KVA	2.5m above roof level	---

<table>
<tr><td>15.</td><td>Hazardous/Non-Hazardous Waste Generation details & their storage, utilization and its disposal. Copy of Agreement clearly mentioning the Quantity</td><td>
<table>
<tr><th>S. N</th><th>Waste Category</th><th>Existing</th><th>After Expansion</th><th>Disposal</th></tr>
<tr><td>1.</td><td>35.1 Flue gas Cleaning residue</td><td>42 TPA</td><td>350 TPA</td><td>Disposed to M/s Madhav alloys</td></tr>
<tr><td>2.</td><td>5.1 Used oil/Spent oil</td><td>0.025kl/Annum</td><td>0.05kl/ Annum</td><td>Authorized Recyclers/Lubricant within the industry</td></tr>
</table>
</td></tr>
<tr><td>16.</td><td>Solid Waste generation and its mode of disposal:</td><td>
<table>
<tr><th>Details</th><th>Unit</th><th>Total Quantity after expansion</th><th>Disposal method</th></tr>
<tr><td>Domestic Solid Waste</td><td>Kg/Day</td><td>80 Kg/Day</td><td>Piggery Farmers</td></tr>
<tr><td>Slag</td><td>TPD</td><td>18.06 TPD</td><td>M/s Pawan Kumar BKO, Sadowal Road, Hathur, Tehsil Jagroan, District Ludhiana.</td></tr>
</table>
</td></tr>
<tr><td>17.</td><td>Waste water generation & its disposal Arrangement in Operation Phase:</td><td>
<table>
<tr><th>S. No</th><th>Description</th><th>Existing</th><th>After Expansion</th><th>Mitigation Measures/Remarks</th></tr>
<tr><td>1.</td><td>Industrial Effluent</td><td>NIL</td><td>NIL</td><td>No generation of industrial effluent</td></tr>
<tr><td>2.</td><td>Domestic</td><td>0.6 KLD</td><td>9.6 KLD</td><td>STP of 15 KLD will be installed & treated water used in Plantation/Green area</td></tr>
</table>
</td></tr>
<tr><td>18.</td><td>Details of the block in which the project site is located as per CGWA guideline (Notified/ Non-Notified area and name of block)</td><td>The project site falls in Amloh block which is notified by CGWA.</td></tr>
</table>

<table>
<tr><td>19.</td><td>Breakup of Water Requirements & its source in Operation Phase:</td><td>
<table>
<tr><th>S. No</th><th>Description</th><th>Existing water demand (KLD)</th><th>Proposed water demand (KLD)</th><th>Total water demand (KLD)</th></tr>
<tr><td>1.</td><td>Domestic water demand</td><td>3.0</td><td>9.0</td><td>12.0</td></tr>
<tr><td>2.</td><td>Make up water demand for cooling purpose</td><td>8.0</td><td>13.0</td><td>21.0</td></tr>
<tr><td colspan="2">Total</td><td>11.0</td><td>22.0</td><td>33.0</td></tr>
<tr><td>3.</td><td>Green area water demand</td><td colspan="3">Summer: 4.1 KLD, Winter & Rainy-Circulation</td></tr>
</table>
Sources of water:
<table>
<tr><th>Sr.no.</th><th>Purposes</th><th>Source of water</th></tr>
<tr><td>1.</td><td>Domestic</td><td>Ground water</td></tr>
<tr><td>2.</td><td>Make-up water demand for cooling</td><td>Treated water</td></tr>
<tr><td>4.</td><td>Green area water demand</td><td>Treated water</td></tr>
</table>
</td></tr>
<tr><td>20.</td><td>Water balance chart for Summer, Rainy and Winter seasons (Submitted/Not Submitted)</td><td>Submitted.</td></tr>
<tr><td>21.</td><td>Rain Water utilization proposal during monsoons (Submitted/Not Submitted)</td><td>Submitted.</td></tr>
<tr><td>22.</td><td>Rain Water Harvesting proposal (within/outside premises) alongwith NOC from concerned village sarpanch (Submitted/Not Submitted)</td><td>Outside: The industrial unit has adopted one village pond for rain water harvesting at Village Tooran. The total recharge potential will be 39982 m^3. Further, all the waste water of nearby Salani village which will be directed towards the village pond will be first treated in trenches through CSIR-NEERI's Phytorid waste water treatment technology and overflow water will be discharged into the pond.

Inside: - a tank of 10 KLD is proposed for inside rain water harvesting using roof top of the project site.</td></tr>
</table>

<table>
<tr>
<td>23.</td>
<td>Block wise details of no. of trees to be planted in proposed greenbelt area (1500 Trees to be planted @ 10000 Sqm area):</td>
<td>Area allocation for green belt: 3029.73 m^2 has been earmarked for Green Belt, out of which about 5% is already covered by Green Belt. The Plantation will be done as per CPCB norms and PPCB guidelines.

Selection of plant species: The species planted/to be planted are: Amaltas, Arjun, Jamun, Mulberry, Mango, Amla & Poplar.

Action plan & estimated budgetary allocation for proposed green belt development

The proposed green belt in an area of 3029.73 m^2 will be developed in phase wise manner out of which 10% is already covered under Green Belt Area.

No. of trees to be planted in 3029.73 m^2 = 3029.73/6.67=454 plants.

100 Plants have been already planted. The rest number of plants i.e. 354 will be planted as

Phase I (June-2022)- 177 numbers of saplings will be planted.

Phase II (June-2023)- 177 numbers of saplings will be planted.</td>
</tr>
<tr>
<td>24.</td>
<td>a. Energy requirements & savings:

b. Energy saving measures to be adopted within industry:</td>
<td>a. The details of the energy are given below:
<table>
<tr><th>S. No.</th><th>Description</th><th>Unit</th><th>Existing</th><th>Proposed</th><th>Total</th></tr>
<tr><td>1.</td><td>Power load</td><td>KW</td><td>2500</td><td>8000</td><td>10,500</td></tr>
<tr><td>2.</td><td>D.G sets</td><td>KVA</td><td>82.5</td><td>200</td><td>82.5kva , 200kva</td></tr>
<tr><td></td><td>Any other</td><td>--</td><td>--</td><td>--</td><td>--</td></tr>
</table>
<u>Energy Saving measures:</u>
a) LEDs will be used in place of CFL
b) Solar lights will be used for lighting the streets</td>
</tr>
</table>

<table>
<tr>
<td>25.</td>
<td>a. EMP Budget details

b. Details of Environment Management Cell (EMC) responsible for implementation of EMP</td>
<td>a. EMP budget details:
<table>
<tr><th>S. No</th><th>Title</th><th>Capital Cost Rs. Lakh</th><th>Recurring Cost Rs. Lakh</th></tr>
<tr><td>1</td><td>Pollution Control during construction stage</td><td>5.0</td><td>-</td></tr>
<tr><td>2</td><td>Air Pollution Control (Installation of APCD)</td><td>110.0</td><td>10.0</td></tr>
<tr><td>3</td><td>Water Pollution Control/ STP up-gradation</td><td>25.0</td><td>2.0</td></tr>
<tr><td>4</td><td>Noise Pollution Control</td><td>1.0</td><td></td></tr>
<tr><td>5</td><td>Green Belt management</td><td>6.5</td><td>2.0</td></tr>
<tr><td>6</td><td>Solid Waste Management</td><td>4.0</td><td>0.5</td></tr>
<tr><td>6</td><td>Environment Monitoring and Management</td><td>4.0</td><td>0.5</td></tr>
<tr><td>7</td><td>Occupational Health, Safety and Risk Management</td><td>5.0</td><td>0.6</td></tr>
<tr><td>8</td><td>RWH</td><td>6.0</td><td>0.5</td></tr>
<tr><td>9</td><td>Miscellaneous</td><td>5.0</td><td>-</td></tr>
<tr><td></td><td>Total</td><td>171.5</td><td>16.1</td></tr>
</table>
A duly constituted EMC comprises the following:
1. Owner/ Director
2. GM (Works)
3. Environment Consultant</td>
</tr>
<tr>
<td>26.</td>
<td>Project area involves forest land, (Yes/No),

If yes, then details of the extent of area involved and copy of permission & approval for the use of forest land</td>
<td>Forest clearance obtained vide letter no. - F. No. - 9-PBB382/2020-CHA dated 04.04.2021.</td>
</tr>
<tr>
<td>27.</td>
<td>Traffic Study Details:</td>
<td>Submitted</td>
</tr>
</table>

The Project Proponent during the presentation informed that the APCD installed on existing 7 TPH furnace shall be upgraded to handle 75000 m^3/hr gas volume being generated from the proposed furnace of 10 TPH capacity. Further, separate APCD equipped with bag filter house for handling 125000 m^3/ hr, designed from PSCST is proposed for 15 TPH furnace.

Further, APCD dust will be disposed off to M/s. Mahav Alloys. The Project Proponent has also filed an application to Punjab Water Regulation and Development Authority (PWRDA) for obtaining permission for ground water extraction. The above details have also been submitted by the Project Proponent vide letter dated 02.06.2021.

SEAC was satisfied with the presentation and took a copy of the same on record.

After detailed deliberations, SEAC decided to award 'Silver Grading' to the project proposal under category B1, Activity 3(a) as per EIA notification 2006 and to forward the application to SEIAA with the recommendations to grant Environmental Clearance for steel manufacturing unit having existing capacity 25,200 TPA of steel Ingots to 1,05,000 TPA of Steel Ingots/Billets & 80,000 TPA of Round, Square, TMT Bars, Angle, Channel, Flats etc by replacing existing induction furnace with 2 no's of induction furnaces having capacity 1X10TPH & 1X15TPH and a Rolling Mill Village Tooran, Amloh Road, Tehsil- Amloh, District Fatehgarh Sahib, Punjab by M/s Shiva Casting Pvt. Ltd. as per the details mentioned in the Form, EIA report, EMP & subsequent presentation /clarifications made by the Project Proponent and his Consultant subject to conditions 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 groundwater 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 the competent authority.

vi. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.

vii. The project proponent shall comply with the siting criteria, standard operating practices, code of practice and guidelines if any prescribed by the SPCB/CPCB/MoEF&CC for such type of units.

viii. The project proponent shall comply with the CLU conditions imposed by the competent authority, if any.

II. Air quality monitoring and preservation

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

ii. The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through laboratories recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.

iii. The project proponent shall install a system to carry out Manual Ambient Air Quality monitoring for parameters relevant to the main pollutants released (e.g. PM_{10} and $PM_{2.5}$in reference to PM emission, and $S0_2$ and NOx in reference to $S0_2$ and NOx emissions) within and outside the plant area (at least at four locations one within and three outside the plant area at an angle of 120° each), covering upwind and downwind directions.

iv. The project proponent shall submit monthly summary report of continuous stack emission and air quality monitoring and results of manual stack monitoring and manual monitoring of air quality/ fugitive emissions to the Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.

v. Appropriate Air Pollution Control (APC) system shall be provided for all the dust-generating points including fugitive dust from all vulnerable sources.

vi. The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.

vii. Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, etc. regularly.

viii. Recycle and reuse of iron ore fines, coal and coke fines, lime fines and such other fines collected in the pollution control devices and vacuum cleaning devices in the process after briquetting/ agglomeration should be ensured.

ix. The project proponent shall use leak-proof trucks/dumpers carrying coal and other raw materials and cover them with tarpaulin.

x. The project proponent shall provide covered sheds for raw materials like scrap and sponge iron, lump ore, coke, coal, etc.

xi. The project proponent shall provide primary and secondary fume extraction system at all melting furnaces.

xii. Design and implementation of the ventilation system for adequate air changes as per the ACGIH document for all tunnels, motor houses, Oil Cellars should be ensured.

III. Water quality monitoring and preservation

i. The project proponent shall monitor regularly ground water quality at least twice a year (pre and post-monsoon) at sufficient numbers of piezometers/sampling wells in the plant and adjacent areas through labs recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories.

ii. The project proponent shall adhere to 'Zero Liquid Discharge'.

iii. Sewage Treatment Plant of capacity 10 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 the maximum possible extent. For this, a pond at village Tooran, Amloh Road, Mandi Gobindgarh having recharge potential of volume @ 26655m^3 shall be adopted to recharge the water @ 39982m^3/annum. As an additional safety measure, the stream carrying waste water of the village shall be diverted in one corner of Phytorid plants trench (designed based on the technology developed by CSIR-NEERI's) divided into different parts, the overflow of

each chamber shall be allowed to enter into another chamber which will ultimately lead to the purification of water and collected into the pond to avoid any contamination of ground water aquifer. Pond water will percolate through natural strata (without injection) to augment the ground water and remaining water shall be used for irrigation purposes by pumping method in the nearby fields.

vi. A tank of 10 KLD shall be constructed for inside rain water harvesting using roof top of the project site.

vii. 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

ii) Green belt shall be developed in an area of 3029.73 Sqm (equal to 33% of the plant area) with tree species in accordance with SEIAA guidelines. Total 454 trees like Amaltas, Arjun, Jamun, Mulberry, Mango, Amla, Popular and the balance 354 more trees of species of Jamun, Arjun, Ashoka, Sagwan to be planted without accounting the shrubs.

VIII. Public hearing and Human health issues

i. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.

ii. The project proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms of Factory Act.

iii. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.

iv. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.

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

IX. Environment Management Plan

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

ii. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of Senior Executive, who will directly report to the head of the organization.

iii. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. The project proponent shall spend a minimum amount of Rs 171.05 Lacs towards the capital cost and Rs 16.1 Lacs/annum towards recurring cost including the environmental monitoring cost for the implementation of EMP as proposed in following EMP plan.

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)	110.0	10.0
3.	Water Pollution Control/ STP up-gradation	25.0	2.0
4.	Noise Pollution Control	1.0	---
5.	Green belt Development	2.7	0.8
6.	Solid Waste Management	4.0	0.5
7.	Occupational Health, Safety and Risk Management	5.0	06
8.	RWH	9.8	0.5
9.	Miscellaneous	5.0	--
	Total	171.5	16.1

Year-wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six-Monthly Compliance Report. Year-wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six-Monthly Compliance Report.

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

v. All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the plants shall be implemented.

XIV. Validity

ii) 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

XV. Miscellaneous

xvii) 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.

xviii) 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.

xix) 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.

xx) The project proponent shall monitor the criteria pollutants level namely; PM10, S02, NOx (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.

xxi) 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.

xxii) 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.

xxiii) 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.

xxiv) The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.

xxv) The project proponent shall abide by all the commitments and recommendations made in the ElA /EMP report, commitment made during Public Hearing and also that during their presentation to the SEAC and SEIAA.

xxvi) 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).

xxvii) 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.

xxviii) The SEIAA/Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.

xxix) The SEIAA/ Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time-bound manner shall implement these conditions.

xxx) 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.

xxxi) 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.

xxxii) 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.

XVI. Additional Specific Conditions decided during the meeting of SEAC:

xix) The project proponent shall install Side Suction Hood followed by Pulse-jet Bag filter with offline cleaning technology as APCD as per the amount indicated in the Environment Management Plan. Further, they will upgrade existing APCD of flow rate 36000m3/hr to 75000m3/hr for 1no. proposed induction furnace (10TPH) and will install separate Air Pollution Control Devices (Pulse jet bag filter with offline cleaning

technology) for another one proposed Induction Furnace of 15 TPH capacity. The flow rate for APCD will be 1,25,000m3/hr.

xx) 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.

xxi) 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.

xxii) The project proponent shall obtain NOC from CGWA/Concernd Authority for abstraction of ground water @ 37.1 KLD to meet the requirement of Industrial, domestic & green belt.

xxiii) The project proponent shall construct rain water tank of capacity 10KLD to store rain water run off generated from the roof top during monsoon season within its premises.

xxiv) The project proponent shall dispose of slag @ 18.06TPD as per the agreement made with the interlocking tile manufacturing units.

xxv) The project proponent shall dispose of APCD dust @ 1 TPD to M/s Madhav Alloys Pvt. Ltd.

xxvi) 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.

xxvii) The project proponent shall provide STP of 10KLD for treatment of waste water & reutilization of the treated water for non- portable use 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.

xxviii) The project proponent shall 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.

xxix) The project proponent shall monitor the Ground water for heavy metals in addition to routine parameters pre-monsoon and post monsoon. Atleast 3 samples i.e one from within the premises and two from outside the premises of the project shall be taken.

xxx) 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.

xxxi) 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.

xxxii) Whole of the vehicle movement area as well as 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.

xxxiii) 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.

xxxiv) The project proponent shall adopt green technologies to conserve water & energy. Also, provide abrasive resistant fire bricks in the crucibles to reduce the periodic maintenance & disposal of discarded fire bricks.

xxxv) The project proponent shall use natural gas (if available) as substitute fuel wherever possible in the existing industry/ for the expansion project.

xxxvi) The project proponent shall take necessary action w.r.t. the following: -

c) Recovery of iron from slag before disposing of it.

d) Identify the areas for utilization of slag in a scientific manner and its usage in cement/construction industry/road laying etc.

Item no.201.12: Application for Environmental Clearance under EIA notification dated 14.09.2006 for the establishment of Commercial Project namely "Mohali Citi Avenue" at Block E, Aerocity, Distt. SAS Nagar (Punjab) by M/s STJ & Co. (SIA/PB/MIS/210586/2021).

The project proponent has filed an application for obtaining Environment Clearance under EIA Notification, 2006 for the establishment of a Commercial project "Mohali Citi Avenue" located at Block-E, Aerocity, SAS Nagar Mohali, Punjab by with proposed built up area as 52,866.78. 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. 1,05,700/- has been paid vide UTR No. IDFBH21075211711 dated 16.03.2021. PPCB was requested to send the latest construction status report of the project through e-mail on 29.04.2021. Report from the Punjab Pollution Control Board is **yet to be received**.

1.0 Deliberations during 201st meeting of SEAC held on 02.06.2021

The case was considered by SEAC in its 201st meeting held on 02.06.2021 and was attended by the following:

1. Sh. Sandeep Garg, EIA Coordinator, M/s Eco Laboratories Pvt Ltd.
2. Anil Goyal, Partner, on behalf of Project Proponent.

Summary of the project is given as under:

S. No.	Description	Details
1.	Name & Location of the project	Commercial Project namely "Mohali Citi Avenue" at Block E, Aerocity, Distt. SAS Nagar (Punjab) by M/s STJ & Co
2.	Project/activity covered	The project falls under Schedule 8(a) - 'Building & Construction Project' Category B as the built-up area of project is 52,866.78 sq.m.

3.	Proof of ownership of land mentioning Khasra no. & ownership details (Latest Jamabandi or Registry)	GMADA has allotted area 16349.31 Sq.Mtr. (Approx. 4.04 acres) for development of commercial project vide letter no. EO/2021/67859 dated 11.05.2021.
4.	Details as per CLU certificate like Khasra no., Project area	Site has been allocated by GMADA.
5.	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.	Partnership Deed submitted
6.	Does it attract the general condition? If yes, please specify	No
7.	Whether the proposal involves approval/clearance under the Forest (Conservation) Act,1980	No. The project does not involve any forest land.
8.	Does the project cover under PLPA, 1900	No
9.	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).	No, Eco-sensitive area/ National park/ Wild Life Sanctuary falls within 10 km of the project site.
10.	Classification/Land use pattern as per Master Plan	As per Master Plan of SAS Nagar, the project site falls in Mixed land use 1.
11.	Cost of the project	The estimated project cost is Rs. 229.20 Crores including land and construction.
12.	Processing Fee details (Amount/NEFT no./dated)	Processing fees for Environmental Clearance application has been calculated @ Rs. 2 / sq. m. of. total built up area. Thus Rs. 1,05,700.00 has been paid vide UTR No. IDFBH21075211711/ SOCIETY OF MISSION TANDRUST PUNJAB dated 16.03.2021.

13. Detail of various components

S.no.	Description	Particulars	Unit
1.	Plot Area (4.034 Acres)	16,331.45	sq. m.
2.	Built-up Area	52,866.78	sq. m.

14. 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)	Treated Sewer (KLD)	
1.	Summer	196	-	156	2	-	118	352
2.	Winter	196	-	156	1	-	119	352
3.	Rainy	196	-	156	1	-	119	352

S.No.	Description	Source of water
1.	Domestic	GMADA supply
2.	Flushing purposes	Treated water
3.	Green area	Treated water

15. Details of acknowledgement of application filed to CGWA/ Competent Authority for obtaining permission for abstraction of ground water.

The source of water during operation phase will be from GMADA. Thus, there is no need of obtaining permission for bore wells.

16. Details of Wastewater generation, Treatment facility & its Disposal arrangements in Construction Phase

During Construction Phase, wastewater generation will be treated in septic tank.

17. Details of Wastewater generation, Treatment facility & its Disposal arrangements in Operation Phase and if wastewater being disposed in MC sewer then also mention the details of NOC from competent authority

During Operation Phase, the wastewater generation will be 282 KLD which will be treated in proposed STP of 350 KLD capacity based on MBBR technology followed by UF treatment.
The details of the breakup of the utilization of treated wastewater is as under: -

Season	Flushing (KLD)	Green area (KLD)	HVAC (KLD)	GMADA Sewer (KLD)
Summer	156	2	-	118
Winter	156	1	-	119
Monsoon	156	1	-	119

18. Details of Rainwater recharging/

Total 4 no. of Rain water recharging pits are being proposed

<table>
<tr><td></td><td>Harvesting (m^3/hr) proposal & technology proposed to be adopted</td><td>for rain water recharging within the project premises.</td></tr>
<tr><td>19.</td><td>Details of Solid waste generation (Qty), treatment facility and its disposal arrangement</td><td>a) 1559 kg/day
b) The solid waste shall be duly segregated into biodegradable, non-biodegradable and non-hazardous waste components as per SWM Rules, 2016.</td></tr>
<tr><td>20.</td><td>Details of Hazardous Waste & E-Waste generation (Qty), Treatment facility and its disposal arrangement</td><td>Used oil from DG set will be generated which will be sold to authorized vendor. E-waste generated from the project will be handled as per E-Waste (Management) Rules, 2016 & its amendments.</td></tr>
<tr><td>21.</td><td>Detail of DG sets</td><td>1 of DG set of capacity 500 kVA have been proposed for power back up.</td></tr>
<tr><td>22.</td><td>Air pollution control device details</td><td>DG set shall be with in-built acoustic enclosure as approved by CPCB and conforming to MoEF Notification.</td></tr>
<tr><td>23.</td><td>Energy Requirements & Saving</td><td>4,941 KW from Punjab State Power Corporation Limited (PSPCL).

Energy Saving measures:
Also, solar panels have been proposed on the roof top of the building. The total area covered by solar panels is 1,664.32 m^2 (which is 30% of roof top area i.e. 5,547.74 m^2) which will generate 158 KW of power generation.</td></tr>
<tr><td>24.</td><td>Details of Environmental Management Plan</td><td>
<table>
<tr><th>S. No</th><th>Environmental Protection Measures</th><th>Capital Cost Rs. Lakh</th><th>Recurring Cost Rs. Lakh</th></tr>
<tr><td>1.</td><td>Construction</td><td>222</td><td>10</td></tr>
<tr><td>2.</td><td>Operation</td><td>-</td><td>16.5</td></tr>
</table>
</td></tr>
<tr><td>25.</td><td>Details of green belt development shall include following:
a) No. of tree to be planted against the requisite norms.
b) Percentage of the area to be developed.</td><td>a) No. of trees required = 1 Tree per 80 sq.m. of plot area = 16331.45/80 = 204 trees
No. of trees proposed = 205 trees

b) Green Area proposed = 350 sq.m.</td></tr>
</table>

1.0 Deliberations during 201st meeting of SEAC held on 02.06.2021

The case was considered by SEAC in its 201st meeting held on 02.06.2021 and was attended by the following:

1. Ms. Priyanka, EIA Coordinator, M/s Eco Laboratories Pvt Ltd.
2. Anil Goyal, Partner, on behalf of Project Proponent.

SEAC observed that the latest construction status report from the Punjab Pollution Control Board was not received.

After deliberations, SEAC decided to defer the case and will be placed in the next meeting after receipt of latest construction status report from Punjab Pollution Control Board.

Item no. 201.13: Application for Environmental Clearance under EIA notification dated 14.09.2006 for the establishment of a commercial project namely "Prism Plaza" located at Village Daun Majra, Kharar, Tehsil & District SAS Nagar, Mohali, Punjab by M/s SRG Builders and Promoters Pvt. Ltd. (SIA/PB/MIS/211412/2021).

The project proponent has filed an application for obtaining Environment Clearance under EIA notification, 2006 for establishment of a commercial project namely "Prism Plaza" located at village Daun Majra, Kharar, Tehsil & District SAS Nagar, Mohali, Punjab with proposed built up area as 25251 Sqm. 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. 50,504/- has been paid vide through NEFT No. AXSK211260011774 dated 06.05.2021. The Project cost is 35 Cr. PPCB was requested to send the latest construction status report of the project through e-mail on 13.05.2021.

1.0 Deliberations during 201st meeting of SEAC held on 02.06.2021

The meeting was attended by the following:

1. Sh. Rajiv Vasudeva, authorized signatory and Sh. Deepak Gupta, Environmental Advisor on behalf of Project Proponent.
2. Sh. Sital Singh, EIA Coordinator, M/s CPTL, on behalf of Project Proponent.

SEAC observed that Punjab Pollution Control Board vide letter no. 2983 dated 01.06.2021 has sent the latest construction status report of the Project and the contents of the same are given as under:

"In reference to above referred email dated 13/5/2021, it is intimated that the proposed site of the project was visited by officers of the Board on 20/04/2021 and Sh. Rajiv Vasudev, authorized person of the promoter company was contacted. As per site shown by the project proponent, the point-wise status report is as under:

1. The proposed site of the project is located on the NH-205 i.e. Kharar - Ropar Road. The project proponent has not demarcated the boundaries of the project. No construction activity pertaining to the project has been started at the site, however, one temporary site office is already constructed.

2. The site of the project is an open plot surrounded by Nirankari Satsang Bhawan on right side, agricultural land on two sides and 160 feet Kharar - Ropar Road on the front side of the project. As per the boundary limits shown by the representative, it was observed that there is no industry such as rice shelter/ saila plant/ brick kiln/ stone crushing/ screening cum washing unit/ hot mix plant/ cement unit etc. within a radius of 500 m. There is no air polluting industry within a radius of 100 m from the boundary of the project site and there is no MAH industry within a radius of 250 m radius from the boundary of the proposed site.

3. The site of the project is conforming to the siting guidelines laid down by the Govt. of Punjab, Department of Science Technology and Environment vide order dated 25/07/2008 as amended on 30/10/2009."

SEAC allowed the Environmental Consultant of the Project Proponent to present the salient features of the project which he presented as under:

Sr. No.	**Item**	**Details**
1.	Project/activity	8 a (Fresh EC)
2.	If the project involves diversion of forest land. If yes, a) Extent of the forest land. b) Status of the forest clearance.	No. NOC this regard from the Invest Punjab has been submitted.
3.	a) Is the project covered under PLPA,1900, if No but located near to 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. b) Is the project covered under PLPA, 1900, if yes then Status of the NOC w.r.t PLPA,1900.	No
4.	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 National Board for Wild Life (NBWL).	No No No
5.	Classification/Land use pattern as per Master Plan	Commercial
6.	Cost of the project	35 Crore

<table>
<tr><td>7.</td><td>Total Plot area, Built up Area and Green area</td><td>Land Area – 12737 sqm.
Built-up area – 25251 sqm.
Green Area – 2036 sqm.</td></tr>
<tr><td>8.</td><td>Population (when fully operational)</td><td>2650 Persons</td></tr>
<tr><td>9.</td><td>Water Requirements & source in Construction Phase</td><td>5-10 KLD
To be met by STP Zirakpur</td></tr>
<tr><td>10.</td><td colspan="2">Break up of Water Requirements & source in Operation Phase (Summer, Rainy, Winter):
<table>
<tr><th>Sr. No.</th><th>Season</th><th>Total Water (KLD)</th><th>Fresh water (KLD)</th><th>Flushing (KLD)</th><th>Green Area (KLD)</th></tr>
<tr><td>1</td><td>Summer</td><td>47</td><td>17</td><td>30</td><td>4</td></tr>
<tr><td>2</td><td>Winter</td><td>47</td><td>17</td><td>30</td><td>4</td></tr>
<tr><td>3</td><td>Rainy</td><td>47</td><td>17</td><td>30</td><td>4</td></tr>
</table></td></tr>
<tr><td>11.</td><td>Source of Water</td><td>Treated waste water will be used in the construction
(STP installed within project
Ground Water Recirculation of treated water).</td></tr>
<tr><td>12.</td><td>Treatment & Disposal arrangements of waste water in Construction Phase</td><td>Septic Tank of capacity 10 KLD
On to land for plantation</td></tr>
<tr><td>13.</td><td>Disposal Arrangement of Waste water in Operation Phase</td><td>Total =47 KLD, which will be treated in the STP of capacity 50 KLD to be installed in the project premises.
<table>
<tr><th>Sr. No.</th><th>Season</th><th>For Flushing purposes (KLD)</th><th>Green Area sqm (KLD)</th></tr>
<tr><td>1.</td><td>Summer</td><td>30</td><td>11</td></tr>
<tr><td>2.</td><td>Winter</td><td>30</td><td>5</td></tr>
<tr><td>3.</td><td>Rainy</td><td>30</td><td>4</td></tr>
</table>
The total green area demand in summer and winter season is 11 KLD and 5 KLD. The Project Proponent shall utilize required water for the maintenance of green area over and above 4 KLD from the nearby project namely M/s Omni Pacific Colonizers Pvt. Ltd.</td></tr>
<tr><td>14.</td><td>Rain water recharging detail</td><td>6217 m3/year rain water will be collected of recharging pits will be provided to recharge the rooftop rainwater of buildings after treatment through oil & Grease traps</td></tr>
</table>

<table>
<tr><td></td><td></td><td></td></tr>
<tr><td>15.</td><td>Solid waste generation and its disposal</td><td>a) 530 kg/day
b) Solid wastes will be appropriately segregated (at source. by providing bins) into recyclable, Bio-degradable Components, and non-biodegradable.</td></tr>
<tr><td>16.</td><td>Hazardous Waste & E-waste</td><td>1) Cat 5.1 Qty 25 ltr.
2) Any other Category

Used oil from DG sets will be sold to registered recyclers and E-waste will be disposed of as per the E-waste (Management) Amendment Rules, 2018.</td></tr>
<tr><td>17.</td><td>Energy Requirements & Saving</td><td>a) 2000 KW from PSPCL.
b) 240 KVA, 125 KVA
c) Saving measures:
• Solar Light 10 No = 15KWHD
• Common area (300) light bulbs replaced with LED = 162 KWHD
• Total Energy saved/day 15+162= 177 KWHD</td></tr>
<tr><td>18.</td><td>Environment Management Plan along with Budgetary break up phase wise and responsibility to implement</td><td>During construction phase, Director will be responsible and during operation phase, Director Will be responsible for implementation of the EMP.

<table><tr><th>Description</th><th>Capital Cost (Rs)</th><th>Recurring Cost (Rs)</th></tr><tr><td>Construction</td><td>40.50 lac</td><td>13.90</td></tr><tr><td>Operation</td><td></td><td>16.90</td></tr></table></td></tr>
<tr><td>19.</td><td>Other important facts (Applicable to EC projects only)</td><td>a) Whether all the environmental monitoring parameter are within permissible limits prescribed for such type of projects. (Applicable to EC projects) yes

b) Treated wastewater will be used in the green area within project.

c) MSW rules 2016 it is the responsibility of the concerned department to take care of MSW.</td></tr>
</table>

SEAC raised following observations to the Project Proponent.

Sr.No.	Observations	Reply
1.	The Project Proponent is required to submit revised calculation for the rainwater harvesting.	Submitted. As per the new proposal the Project Proponent shall install 5 no. rainwater harvesting pits.

SEAC was satisfied with the presentation and reply submitted by the Project Proponent and SEAC took the same on record.

After detailed deliberations, SEAC decided to award 'Silver Grading' to the project proposal and to forward the application of the project proponent to SEIAA with the recommendations to grant Environmental Clearance to M/s SRG Builders and Promoters Pvt. Ltd. for the establishment of commercial project namely "Prism Plaza" located at Village Daun Majra, Kharar, Tehsil & District SAS Nagar, Mohali, Punjab as per the details mentioned in the Form 1, 1A, EMP & subsequent presentation /clarifications made by the project proponent and his consultant with, proposed measures and subject to the following conditions:-

Statutory compliance:

i) The project proponent shall obtain all necessary clearance/ permission from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.

ii) The approval of the Competent Authority shall be obtained for structural safety of buildings due to earthquakes, adequacy of firefighting equipment, etc. as per National Building Code including protection measures from lightening, etc.

iii) The project proponent shall obtain forest clearance under the provisions of the Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.

iv) The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.

v) The project proponent shall obtain Consent to Establish / Operate under the provisions of the Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board / Committee.

vi) The project proponent shall obtain the necessary permission for drawl of ground water/ surface water required for the project from the competent authority.

vii) A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained.

viii) All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department shall be obtained, as applicable, by project proponents from the respective competent authorities.

ix) The provisions of the Solid Waste (Management) Rules, 2016, E-Waste (Management) Rules, 2016, Construction & Demolition Waste Rules,2016 and the Plastics Waste (Management) Rules, 2016 shall be followed.

x) The project proponent shall follow the ECBC/ECBC-R prescribed by Bureau of Energy Efficiency, Ministry of Power strictly.

xi) The project site shall confirm to the suitability as prescribed under the provisions laid down under the master plan of respective city/ town. For that, the project proponent shall either to submit the NOC/ land use conformity certificate from Deptt. of Town and Country Planning or other concerned Authority under whom jurisdiction, the site falls.

xii) Besides above, the project proponent shall also comply with siting criteria / guidelines, standard operating practices, code of practice and guidelines if any prescribed by the SPCB/CPCB/MoEF&CC for such type of projects.

xiii) The project proponent shall get the layout plans approved from the Competent Authority for the activities / establishments to be set up at project site in consonance of the project proposal for which this environment clearance is applied.

II. Air quality monitoring and preservation

i) Notification GSR 94(E) dated 25.01.2018 of MoEF&CC regarding Mandatory Implementation of Dust Mitigation Measures for Construction and Demolition Activities for projects requiring Environmental Clearance shall be complied with.

ii) A management plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site.

iii) The project proponent shall install system to carryout Ambient Air Quality monitoring for common /criterion parameters relevant-to the main pollutants released (e.g. PM10 and PM2.5) covering upwind and downwind directions during the construction period.

iv) Diesel power generating sets proposed as source of backup power should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use of low sulphur diesel. The location of the DG sets may be decided with in consultation with State Pollution Control Board.

v) Construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, continuous dust/ wind breaking walls all around the site (at least 3m height or 1/3rd of the building height and maximum upto 10m). Plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, murram and other construction materials prone to causing dust pollution at the site as well as taking out debris from the site.

vi) No Excavation of soil shall be carried out without adequate dust mitigation measures in place.

vii) No loose soil or sand or construction & demolition waste or any other construction material that causes dust shall be left uncovered.

viii) No uncovered vehicles carrying construction material and waste shall be permitted

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

x) Grinding and Cutting of building material in open area shall be prohibited. Wet jet shall be provided for grinding and stone cutting.

xi) Unpaved surfaces and loose soil shall be adequately sprinkled with water to suppress dust.

xii) All construction and demolition debris shall be stored at the site within earmarked area and road side storage of construction material and waste shall be prohibited. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules 2016.

xiii) The diesel generator sets to be used during construction phase shall be low sulphur diesel type and shall conform to Environmental (Protection) prescribed for air and noise emission standards.

xiv) The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. Low sulphur diesel shall be used. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.

xv) For indoor air quality the ventilation provisions as per National Building Code of India.

xvi) Roads leading to or at construction site must be paved and blacktopped (i.e. metallic road)

xvii) Dust Mitigation measures shall be displayed prominently at the construction site for easy public viewing.

xviii) Construction and Demolition Waste Processing and Disposal site shall be identified and required dust mitigation measure be notified at the site.

III. Water quality monitoring and preservation

i) The natural drain system should be maintained for ensuring unrestricted flow of water.

ii) No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape, and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rain water.

iii) Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.

iv) The total water requirement for the project will be 47 KL/day, out of which fresh water demand of 17 KL /day shall be met through groundwater and remaining through recycling of treated waste water from their own STP. Total fresh water use shall not exceed the proposed requirement as provided in the project details.

iv) a)The total wastewater generation from the project will be 34 KL/day, which will be treated in STP to be installed within the project premises. As proposed, reuse of treated wastewater shall be as under:-

Sr. No.	Season	For Flushing purposes (KLD)	Green Area (KLD)
1.	Summer	30	04
2.	Winter	30	04
3.	Rainy	30	04

b) Storage tank of adequate capacity shall be provided for the storage of treated wastewater and all efforts shall be made to supply the same for construction purposes.

c) During construction phase, the project proponent shall ensure that the waste water being generated from the labour quarters/toilets shall be treated and disposed in environment friendly manner. The project proponent shall also

exercise the option of modular bio-toilets or will provide proper and adequately design septic tanks for the treatment of such waste water and treated effluents shall be utilized for green area/plantation

vi) The project proponent shall ensure safe drinking water supply to the habitants. Adequate treatment facility for drinking water shall be provided, if required.

vii) The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with six monthly Monitoring reports.

viii) A certificate shall be obtained from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed, the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for ground water and surface water sources, ensuring that there is no impact on other users.

ix) At least 20% of the open spaces as required by the local building bye-Jaws shall be pervious. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as pervious surface.

x) Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc and other for supply of recycled water for flushing, landscape irrigation, car washing, thermal cooling, conditioning etc. shall be done.

xi) The respective project proponent shall discourage the installation of R.O. plants in their projects in order to save the wastage in form of RO reject. However, in case the requirement of installing RO plant is utmost necessary then the rejected stream from the RO shall be separated and shall be utilized by storing the same within the particular component i.e. (Tower/Mall) or in a common place in the project premises.

xii) The project proponent shall also adopt the new/innovating technologies like less water discharging taps (faucet with aerators)/urinals with electronic sensor system /water less urinals / twin flush cisterns/ sensor based alarming system for overhead water storage tanks and make it a part of the environmental management plans / building plans so as to reduce the water consumption/ground water abstraction in their Building Construction & Industrial projects.

xiii) The project proponent will provide plumbing system for reuse of treated wastewater for flushing/ HVAC/ other purposes etc. and colour coding of different pipe lines carrying water/wastewater from different sources / treated wastewater as follows:

Sr. No	Nature of the Stream	Color code
a)	Fresh water	Blue
b)	Untreated wastewater from Toilets/ urinal & from Kitchen	Black

c)	Untreated wastewater from Bathing/shower area, hand washing (Washbasin / sinks) and from Cloth Washing	Grey
d)	Reject water streams from RO plants & AC condensate (this is to be implemented wherever centralized AC system and common RO has been proposed in the Project). Further, in case of individual houses/establishment this proposal may also be implemented wherever possible.	White
e)	Treated wastewater (for reuse only for plantation purposes) from the STP treating black water	Green
f)	Treated wastewater (for reuse for flushing purposes or any other activity except plantation) from the STP treating grey water	Green with strips
g)	Storm water	Orange

xiv) Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.

xv) The CGWA provisions on rain water harvesting should be followed. A rain water harvesting plan needs to be designed where the recharge bores of minimum one recharge bore per 5,000 square meters of built-up area and storage capacity of minimum one day of total fresh water requirement shall be provided. In areas where ground water recharge is not feasible, the rain water should be harvested and stored for reuse. As per the proposal submitted by the project proponent 5 no. rain water harvesting recharge pits /storage tanks shall be provided for ground water recharging as per the CGWB norms. The ground water shall not be withdrawn without approval from the Competent Authority.

xvi) All recharge should be limited to shallow aquifer.

xvii) No ground water shall be used during construction phase of the project. Only treated sewage/wastewater shall be used. A proper record in this regard should be maintained and available at site.

xviii) Any ground water dewatering should be properly managed and shall conform to the approvals and the guidelines of the CGWA in the matter. Formal approval shall be taken from the CGWA for any ground water abstraction or dewatering.

xix) The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with six monthly Monitoring reports.

xx) Sewage shall be treated in the STP with tertiary treatment. STP shall be installed in a phased manner viz a viz in the module system designed in such

a way so as to efficiently treat the wastewater with an increase in its quantity due to rise in occupancy. The treated effluent from STP shall be recycled/reused for flushing, AC make up water and gardening. No treated water shall be disposed of into the municipal storm water drain.

xxi) No sewage or untreated effluent water would be discharged through storm water drains. Onsite sewage treatment of capacity of treating 100% waste water to be installed. The installation of the Sewage Treatment Plant (STP) shall be certified by an independent expert and a report in this regard shall be submitted to the Ministry before the project is commissioned for operation. Treated waste water shall be reused on-site for landscape, flushing, cooling tower, and other end-uses. Excess treated water shall be discharged as per statutory norms notified by the Ministry of Environment, Forest and Climate Change. Natural treatment systems shall be promoted.

xxii) Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odour problem from STP.

xxiii) Sludge from the onsite sewage treatment, including septic tanks, shall be collected, conveyed and disposed as per the Ministry of Urban Development, Central Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.

IV. Noise monitoring and prevention

i) Ambient noise levels shall conform to residential area/commercial area/industrial area/silence zone both during day and night as per Noise Pollution (Control and Regulation) Rules, 2000. Incremental pollution loads on the ambient air and noise quality shall be closely monitored during construction phase. Adequate measures shall be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/SPCB.

ii) Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.

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

V. Energy Conservation measures

i) Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured. Buildings in the States which have notified their own ECBC, shall comply with the State ECBC.

ii) Outdoor and common area lighting shall be LED.

iii) Concept of passive solar design that minimize energy consumption in buildings by using design elements, such as building orientation, landscaping, efficient building envelope, appropriate fenestration, increased. day lighting design and thermal mass etc. shall be incorporated in the building design. Wall, window, and roof u-values shall be as per ECBC specifications.

iv) Energy conservation measures like installation of LEDs for the lighting the area outside the building should be integral part of the project design and should be in place before project commissioning.

v) Solar, wind or other Renewable Energy shall be installed to meet electricity generation equivalent to 1 % of the demand load or as per the state level/ local building bye-laws requirement, whichever is higher.

vi) Solar power by utilizing at least 30% of the roof top area shall be used for lighting in the apartment to reduce the power load on grid. Separate electric meter shall be installed for solar power. Solar water heating shall be provided to meet 20% of the hot water demand of the commercial and institutional building or as per the requirement of the local building bye-laws, whichever is higher. Residential buildings are also recommended to meet its hot water demand from solar water heaters, as far as possible.

VI. Waste Management

i) A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from project shall be obtained.

ii) Disposal of muck during construction phase shall not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.

iii) Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste shall be segregated into wet garbage and inert materials.

iv) Organic waste compost/ Vermiculture pit/ Organic Waste Converter within the premises with a minimum capacity of 0.3 kg /person/day must be installed for treatment and disposal of the waste.

v) All non-biodegradable waste shall be handed over to authorized recyclers for which a written tie up must be done with the authorized recyclers.

vi) Any hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.

vii) Use of environment friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction material quantity. These include Fly Ash bricks, hollow bricks, AACs, Fly Ash Lime Gypsum blocks, Compressed earth blocks, and other environment friendly materials.

viii) Fly ash should be used as building material in the construction as per the provision of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003 and 25th January, 2016. Ready mixed concrete must be used in building construction.

ix) Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Rules, 2016.

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

VII. Green Cover

i) No tree can be felled/transplant unless exigencies demand. Where absolutely necessary, tree felling shall be with prior permission from the concerned regulatory authority. Old trees should be retained based on girth and age regulations as may be prescribed by the Forest Department. Plantations to be ensured species (cut) to species (planted).

ii) At least single line plantation all around the boundary of the project as proposed shall be provided. The open spaces inside the plot should be suitably landscaped and covered with vegetation of indigenous species/variety. A minimum of one tree for every 80 sqm (@ 160 trees of native varieties) of total land area should be planted and maintained. The existing trees will be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping. The plantation should be provided as per SEIAA guidelines.

iii) Where the trees need to be cut with prior permission from the concerned local Authority, compensatory plantation in the ratio of 1: 10 (i.e. planting of 10 trees for every 1 tree that is cut) shall be done and maintained. Plantations to be ensured species (cut) to species (planted). Area for green belt development shall be provided as per the details provided in the project document.

iv) Topsoil should be stripped to a depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stockpiled

appropriately in designated areas and reapplied during plantation of the proposed vegetation on site.

v) The project proponent shall not use any chemical fertilizer /pesticides /insecticides and shall use only Herbal pesticides/insecticides and organic manure in the green area.

vi) The green belt along the periphery of the plot shall achieve attenuation factor conforming to the day and night noise standards prescribed for residential land use.

VIII. Transport

i) A comprehensive mobility plan, as per MoUD best practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public, and private networks. Road should be designed with due consideration for environment, and safety of users. The road system can be designed with these basic criteria.

a) Hierarchy of roads with proper segregation of vehicular and pedestrian traffic.

b) Traffic calming measures.

c) Proper design of entry and exit points.

d) Parking norms as per local regulation.

ii) Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards be operated only during non-peak hours.

iii) A detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 05 kms radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D./ competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.

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

IX. Human health issues

i) All workers working at the construction site and involved in loading, unloading, carriage of construction material and construction debris or working in any area with dust pollution shall be provided with dust mask.

ii) For indoor air quality the ventilation provisions as per National Building Code of India.

iii) Emergency preparedness plan based on the Hazard identification and Risk Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, 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.

v) A First Aid Room shall be provided in the project both during construction and operations of the project.

X. Environment Monitoring Plan

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

ii) A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.

iii) Action plan for implementing EMP and environmental conditions along with the responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year-wise funds earmarked for environmental protection measures shall be kept in separate accounts and not to be diverted for any other purpose. The project proponent shall spend the minimum amount of Rs 40.50 Lacs towards the capital cost and Rs 13.90 Lacs/annum towards recurring cost in the construction phase of the project including the environmental monitoring cost and shall spend the minimum amount of Rs 16.90 Lacs/annum towards the recurring cost in operation phase

of the project including the environmental monitoring cost. The entire cost of the environmental management plan will continue to be borne by the project proponent until the responsibility of the environmental management plan is transferred to the occupier/residents society under proper MOU under intimation to SEIAA, Punjab. Year-wise progress of implementation of the action plan shall be reported to the Ministry/Regional Office along with the Six-monthly Compliance Report.

XI. 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.

XII. Miscellaneous

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

ii) The project proponent shall comply with the conditions of CLU, if obtained.

iii) The project proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days indicating that the project has been accorded environment clearance and the details of MoEFCC/SEIAA website where it is displayed.

iv) The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.

v) The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.

vi) The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at Environment Clearance portal.

vii) The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.

viii) The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned

authorities, commencing the land development work and start of production operation by the project.

ix) The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.

x) The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.

xi) 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).

xii) 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.

xiii) The SEIAA/Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.

xiv) The SEIAA/ Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.

xv) The Regional Office of this Ministry and Punjab Pollution Control Baord shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data/ information/monitoring reports.

xvi) 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.

xvii) 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.

Item no. 201.14: Application for Environmental Clearance under EIA notification dated 14.09.2006 for the establishment of a group housing residential project namely "The Zirk" developed by M/s Urban Nest Projects located at Village Nabha, Zirakpur, Tehsil Derabassi, SAS Nagar, Mohali, Punjab (SIA/PB/MIS/212093/2021).

The project proponent has filed an application for obtaining Environment Clearance under EIA notification, 2006 for establishment of a group housing residential of construction project namely "The Zirk" located at Village Nabha, Zirakpur, Tehsil Derabassi, SAS Nagar, Mohali, Punjab with proposed built up area as 25868 Sqm. in a land area of 11454 Sqm. 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. 51,736/- has been paid vide through NEFT No. 000104759234 dated 11.05.2021. The Project cost is 35 Cr. PPCB was requested to send the latest construction status report of the project through e-mail on 13.05.2021. Report from the Punjab Pollution Control Board is yet to be received.

Summary of the project is given as under:

Sr.no.	Item	Details
1.	Name and Location of the project	"The Zirk" located at Zirakpur.
2.	Project/activity	8 a (Fresh EC)
3.	Whether the project is in critical polluted area or not.	None
4.	If the project involves diversion of forest land. If yes, a) Extent of the forest land. b) Status of the forest clearance.	No
5.	a) Is the project covered under PLPA,1900, if No but located near to PLPA area then the project proponent is required to submit NOC from the concerned DFO to the effect that project area	No

<table>
<tr><td></td><td>does not fall under the provision of PLPA Act, 1900.

b) Is the project covered under PLPA, 1900, if yes then Status of the NOC w.r.t PLPA,1900.</td><td></td></tr>
<tr><td>6.</td><td>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 National Board for Wild Life (NBWL).</td><td>No

No

No</td></tr>
<tr><td>7.</td><td>Classification/Land use pattern as per Master Plan</td><td>Residential,</td></tr>
<tr><td>8.</td><td>Cost of the project</td><td>35 Crore</td></tr>
<tr><td>9.</td><td>Total Plot area, Built up Area and Green area</td><td>Land Area- 11454 Sqm
Built-up area- 25868 Sqm
Green Area- 3891 Sqm</td></tr>
<tr><td>10.</td><td>Population (when fully operational)</td><td>974 Persons</td></tr>
<tr><td>11.</td><td>Water Requirements & source in Construction Phase</td><td>5-10 KLD
met by STP of MC Zirakpur</td></tr>
<tr><td>12.</td><td colspan="2">Break up of Water Requirements & source in Operation Phase (Summer, Rainy, Winter):

<table>
<tr><th>Sr. No.</th><th>Season</th><th>Total Water (KLD)</th><th>Fresh water (KLD)</th><th>Flushing (KLD)</th><th>Green Area (KLD)</th></tr>
<tr><td>1</td><td>Summer</td><td>130</td><td>87</td><td>43</td><td>21</td></tr>
<tr><td>2</td><td>Winter</td><td>130</td><td>87</td><td>43</td><td>6</td></tr>
<tr><td>3</td><td>Rainy</td><td>130</td><td>87</td><td>43</td><td>2</td></tr>
</table></td></tr>
<tr><td>13.</td><td>Source of Water</td><td>Treated waste water will be used in the construction
Ground water
Recirculation of treated water.</td></tr>
</table>

<table>
<tr><td>14.</td><td>Treatment & Disposal arrangements of waste water in Construction Phase</td><td>Septic Tank of capacity 10 KLD Sewer</td></tr>
<tr><td>15.</td><td>Disposal Arrangement of Waste water in Operation Phase</td><td>Total =130 KLD, which will be treated in the STP of capacity 200 KLD to be installed in the project premises.

<table>
<tr><th>Sr. No.</th><th>Season</th><th>Flushing (KLD)</th><th>Green Area (KLD)</th><th>MC Sewer (KLD)</th></tr>
<tr><td>1.</td><td>Summer</td><td>43</td><td>21</td><td>39</td></tr>
<tr><td>2.</td><td>Winter</td><td>43</td><td>6</td><td>54</td></tr>
<tr><td>3.</td><td>Rainy</td><td>43</td><td>2</td><td>58</td></tr>
</table></td></tr>
<tr><td>16.</td><td>Rain water recharging detail</td><td>4913 m3/year rain water will be collected of recharging pits will be provided to recharge the rooftop rainwater of buildings after treatment through oil & Grease traps</td></tr>
<tr><td>17.</td><td>Solid waste generation and its disposal</td><td>a)387 kg/day

b) Solid wastes will be appropriately segregated (at source. by providing bins) into recyclable, Bio-degradable Components, and non-biodegradable.</td></tr>
<tr><td>18.</td><td>Hazardous Waste & EWaste</td><td>1) Cat 5.1 Qty 25 ltr.

2) Any other Category

Used oil from DG sets will be sold to registered recyclers and E-waste will be disposed off as per the E-waste (Management) Amendment Rules, 2018.</td></tr>
<tr><td>19.</td><td>Energy Requirements & Saving</td><td>a) 1000 KW from PSPCL.

b) 2x 240 KVA, 125 KVA

c) Saving measures:

Solar Light 10 No = 15 KWHD
Common area (250) lights replaced with LED = 135 KWHD
Total Energy saved/day 15+135= 150 KWHD</td></tr>
</table>

<table>
<tr><td>20.</td><td>Environment Management Plan along with Budgetary break up phase wise and responsibility to implement</td><td>During construction phase Partner will be responsible and during operation phase, Partner Will be responsible for implementation of the EMP.

<table><tr><th>Description</th><th>Capital Cost (Rs)</th><th>recuring Cost (Rs)</th></tr><tr><td>Construction</td><td>63.50 lac</td><td>11.40</td></tr><tr><td>Operation</td><td></td><td>16.40</td></tr></table></td></tr>
<tr><td>21.</td><td>Other important facts (Applicable to EC projects only)</td><td>a) Whether all the environmental monitoring parameter are within permissible limits prescribed for such type of projects. (Applicable to EC projects) yes

b) The MC Zirakpur , has issued the certificate vide letter no.209 dated 04-05-2021 to the effect that facility of the sewer is available for the Residential project, treated waste water after depositing requisite charges to the MC Sewer.

c) The MC Zirakpur has issued certificate vide letter no 205 dated 03/05/2021 to the effect that they are in process of setting of common municipal Solid waste facility for the MC Zirakpur cluster and will take care of MSW likely to be generated from this project in due course of time.</td></tr>
</table>

1.0 Deliberations during 201st meeting of SEAC held on 02.06.2021

The meeting was attended by the following:

1. Sh. Sital Singh, EIA Coordinator, M/s CPTL, on behalf of Project Proponent.

SEAC observed that the latest construction status report from the Punjab Pollution Control Board was not received.

After deliberations, SEAC decided to defer the case and will be placed in the next meeting after receipt of latest construction status report from Punjab Pollution Control Board.

Item no. 201.15: Application for Environmental Clearance under EIA Notification dated 14.09.2006 for the establishment of a Group Housing Residential Project namely "The Ananta Aspire" developed by M/s Svastiga Infra Pvt. Ltd. located at Village Nabha, Zirakpur, Tehsil Derabassi, SAS Nagar, Mohali, Punjab (SIA/PB/MIS/212297/2021).

The project proponent has filed an application for obtaining Environment Clearance under EIA notification, 2006 for establishment of a Group Housing Residential Construction Project namely "The Ananta Aspire" located at Village Nabha, Zirakpur, Tehsil Derabassi, SAS Nagar, Mohali, Punjab with proposed built up area as 79196 Sqm. in the land area of 28373 Sqm. 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. 1,58,392/- through NEFT No. N135211505174083 dated 15.05.2021. The Project cost is 82 Cr. PPCB was requested to send the latest construction status report of the project through e-mail on 17.05.2021. Report from the Punjab Pollution Control Board is yet to be received.

Summary of the project is given as under:

Sr.no.	Item	Details
1.	Name and Location of the project	"The Ananta Aspire" located at Village Nabha, Zirakpur, Tehsil Derabassi, SAS Nagar, Mohali.
2.	Project/activity	8 a (Fresh EC)
3.	Whether the project is in critical polluted area or not.	None
4.	If the project involves diversion of forest land. If yes, a) Extent of the forest land. b) Status of the forest clearance.	No
5.	a) Is the project covered under PLPA,1900, if No but located near to PLPA area then the project proponent is required to submit NOC from the	No

<table>
<tr><td></td><td>concerned DFO to the effect that project area does not fall under the provision of PLPA Act, 1900.

b) Is the project covered under PLPA, 1900, if yes then Status of the NOC w.r.t PLPA,1900.</td><td></td></tr>
<tr><td>6.</td><td>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 National Board for Wild Life (NBWL).</td><td>No

No

No</td></tr>
<tr><td>7.</td><td>Classification/Land use pattern as per Master Plan</td><td>Residential</td></tr>
<tr><td>8.</td><td>Cost of the project</td><td>82 Crore</td></tr>
<tr><td>9.</td><td>Total Plot area, Built up Area and Green area</td><td>Land- 28373 Sqm
Built-up Area- 79196 Sqm
Green Area- 7407 Sqm</td></tr>
<tr><td>10.</td><td>Population (when fully operational)</td><td>2260 Persons</td></tr>
<tr><td>11.</td><td>Water Requirements & Source in Construction Phase</td><td>10-12 KLD
met by STP of MC Zirakpur</td></tr>
<tr><td>12.</td><td colspan="2">Break up of Water Requirements & source in Operation Phase:

<table>
<tr><th>Sr. No.</th><th>Season</th><th>Total Water (KLD)</th><th>Fresh water (KLD)</th><th>Flushing (KLD)</th><th>Green Area (KLD)</th></tr>
<tr><td>1</td><td>Summer</td><td>305</td><td>203</td><td>102</td><td>41</td></tr>
<tr><td>2</td><td>Winter</td><td>305</td><td>203</td><td>102</td><td>12</td></tr>
<tr><td>3</td><td>Rainy</td><td>305</td><td>203</td><td>102</td><td>4</td></tr>
</table></td></tr>
<tr><td>13.</td><td>Source of Water</td><td>• Treated waste water will be used in the construction

• Ground water Recirculation of treated water.</td></tr>
</table>

<table>
<tr><td>14.</td><td>Treatment & Disposal arrangements of waste water in Construction Phase</td><td>Septic Tank of capacity 10 KLD
• Sewer</td></tr>
<tr><td>15.</td><td>Disposal Arrangement of Waste water in Operation Phase</td><td>Total =305 KLD, which will be treated in the STP of capacity 370 KLD to be installed in the project premises.
<table>
<tr><th>Sr. No.</th><th>Season</th><th>Flushing (KLD)</th><th>Green Area (KLD)</th><th>MC Sewer (KLD)</th></tr>
<tr><td>1.</td><td>Summer</td><td>102</td><td>41</td><td>101</td></tr>
<tr><td>2.</td><td>Winter</td><td>102</td><td>12</td><td>130</td></tr>
<tr><td>3.</td><td>Rainy</td><td>102</td><td>4</td><td>138</td></tr>
</table></td></tr>
<tr><td>16.</td><td>Rain water recharging detail</td><td>12417 m3/year rain water will be collected of recharging pits will be provided to recharge the rooftop rainwater of buildings after treatment through oil & Grease traps</td></tr>
<tr><td>17.</td><td>Solid waste generation and its disposal</td><td>a) 904 kg/day

b) Solid wastes will be appropriately segregated (at source. by providing bins) into recyclable, Bio-degradable Components, and non- biodegradable.</td></tr>
<tr><td>18.</td><td>Hazardous Waste & EWaste</td><td>1) Cat 5.1 Qty 25 Ltr.

2) Any other Category

Used oil from DG sets will be sold to registered recyclers and E-waste will be disposed of as per the E-waste (Management) Amendment Rules, 2018.</td></tr>
<tr><td>19.</td><td>Energy Requirements & Saving</td><td>a) 2350 KW from PSPCL.

b) 2x 240 KVA, 1x500 KVA

c) Saving measures:

Solar Light 20 No = 30 KWHD
Common area (350) lights replaced with LED = 189 KWHD

Total Energy saved/day 30+189 = 219 KWHD</td></tr>
</table>

<table>
<tr><td>20.</td><td>Environment Management Plan along with Budgetary break up phase wise and responsibility to implement</td><td>During construction phase Director will be responsible and during operation phase, Director is responsible for implementation of the EMP.

<table><tr><th>Description</th><th>Capital Cost (Rs)</th><th>Recurring Cost (Rs)</th></tr><tr><td>Construction</td><td>117.50 lac</td><td>12.90</td></tr><tr><td>Operation</td><td></td><td>18.90</td></tr></table></td></tr>
<tr><td>21.</td><td>Other important facts (Applicable to EC projects only)</td><td>a) Whether all the environmental monitoring parameter are within permissible limits prescribed for such type of projects. (Applicable to EC projects) yes

b) The MC Zirakpur , has issued the certificate vide letter no.210 dated 04-05-2021 to the effect that facility of the sewer is available for the Residential project, treated waste water after depositing requisite charges to the MC Sewer.

c) The MC Zirakpur has issued certificate vide letter no 206 dated 03/05/2021 to the effect that they are in process of setting of common municipal Solid waste facility for the MC Zirakpur cluster and will take care of MSW likely to be generated from this project in due course of time.</td></tr>
</table>

1.0 Deliberations during 201st meeting of SEAC held on 02.06.2021

The meeting was attended by the following:

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