Proceedings of the item No. 190.01,190.03,190.06 & 190.07 of 190th meeting of State Expert Appraisal Committee held on 27.06.2020 at 10:30 am through video conferencing/ in the Conference Hall of PSCST at 2nd Floor, MGSIPA Complex, Sector-26, Chandigarh.

The 190th meeting of SEAC was held on 27.06.2020 through video conference on VIDYO APP in light of COVID 19. In the meeting, the following members were present:-

Sr. No.	Name of SEAC Member	Designation in SEAC
1.	Er. Yogesh Gupta	Chairman
2.	Sh. Pardeep Garg	Secretary
3.	Dr. Adarsh Pal Vig	Member, through online mode
4.	Er. Parminder Singh Bhogal	Member, through online mode
5.	Er. Nirmal Singh Kahlon	Member
6.	Sh. A.K. Bhatia	Member
7.	Dr. Pawan Krishan	Member, through online mode
8.	Dr. Harpreet Kaur	Member
9.	Sh. KL Malhotra	Member
10.	Dr. Sandeep S Virdi	Member, through online mode
11.	Sh. Deepak Sethi	Member, through online mode

At the outset, Secretary, SEAC welcomed the members of the State Expert Appraisal Committee (SEAC) and informed that the detailed agenda of the meeting and presentations of various items have already been circulated to all the members through e-mail. Thereafter, the agenda was taken up item wise for consideration.

Item No. 01 Confirmation of the proceedings of the 189th meetings of State Level Expert Appraisal Committee held on 28.05.2020.

SEAC was apprised that the proceedings of the 189th meeting of State Level Expert Appraisal meeting of held on 28.05.2020 were circulated to all the members of the SEAC vide email dated 15.06.2020. No observation was received from any of the members. As such, the minutes have been uploaded on the web portal of the SEAC.

Further, it was observed that name of Dr. Adarsh Pal Vig has inadvertently left out in the attendance of the 189th meeting of SEAC. Therefore, the name of Dr. Adarsh Pal Vig to be read along with the name of members mentioned in the proceedings of the 189th meeting of SEAC.

As such, SEAC confirmed the proceedings of said meetings with the above said ratification.

Item No. 02: Action taken on the proceedings of the 189th meeting of the State Level Expert Appraisal Committee held on 28.05.2020.

Noted

Item No. 190.01: 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)

SEAC observed as under:-

1.0 Background

M/s Ansal Lotus Melange Projects Pvt Ltd. was granted Environmental Clearance vide no 21-686/2007-IA.III dated 23.04.2008 for construction of group housing "Orchard County" at 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 and for the following proposal:-

(i) The project proponent had proposed to construct a residential colony with 584 flats (1 Block-56 EWS-16 Blocks-528 flats-2BR-252, 3BR-248, and Penthouse-22.

(ii) The total water requirement will be 394 KLD (freshwater - 198 KLD).

(iii) The capacity of STP proposed will be 394 KLD. Treated Wastewater will be used for flushing of toilets - 131 KLD and horticulture - 65 KLD and balance - 158 KLD will be disposed of in local municipal sewers.

(iv) The total solid waste generation will be 1168 Kg/day (biodegradable - 584 Kg/day, Non-biodegradable - 350 Kg/day and inert waste - 233 Kg/day).

(v) The total power requirement proposed is 4300 KW. Total parking spaces proposed are for 964 cars (Basement - 601, open -363).

(vi) The total cost of the project was Rs. 95.03 Crores.

Later on, planning was changed and while submitting the application for expansion, M/s Ansal Lotus Melange Projects Pvt Ltd. submitted as under: -

(i) The proposed project is located at Village Sante Majra, Kharar - Landran Road, Kharar, District Sahibzada Ajit Singh Nagar (Mohali), Punjab on a plot area of 48090.24 sqm. The total built-up area is approximately 104388.87 sqm

(ii) The area falls within MC limits of Kharar and is under residential use as per the Master Plan of the area.

(iii) They had increased the built-up area more than the area mentioned in environmental clearance granted to the project. Further, the validity of environmental clearance has also been expired.
(iv) They had expanded the production beyond the limit of EC.

Being a case of violation of the provisions of EIA notification dated 14.09.2006 and as per amendment notification vide No S.O. 804 (E) dated 14-03-2017, they had submitted an online application for issuance of TORs for obtaining Environmental Clearance vide proposal no. IA/PB/NCP/ 69078/ 2017 to MOEF&CC on 13/09/2017

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

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

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

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

In view of the above, MoEF&CC has transferred the project to SEIAA vide proposal no. no. SIA/PB/NCP/22975/2018 on 28/03/2018.

1.1 Deliberation during 167th meeting of SEAC held on 26.05.2018

The matter was considered by SEAC in its 167th meeting held on 26.05.2018, wherein, after detailed deliberations, SEAC decided to defer the case and ask the project proponent to submit a hard copy of the application. Till such time his case will not be taken up for consideration.

The project proponent submitted a hard copy of the application on 23.10.2019.

1.2 Salient Features of the project

The project proponent applied for issuance of TORs. The summary of the project is as under:

Sr.No.	Item	Details
1	Name & Location of the project	Group Housing Project "Orchard County" Village Sante Majra, Kharar - Landran Road, Kharar, District Sahibzada Ajit Singh Nagar (Mohali), Punjab
2	Project/activity covered under item of scheduled to the EIA Notification,14.09.2006	8(a) 'Building & Construction Project'
3	Copy of the Master plan duly marked with the project site	Not Submitted
4	Pre-feasibility report as per Ministry of Environment & Forests, Circular dated 30.12.2010.	Not submitted.
5.	Proof of ownership of land	Not Submitted
6.	Copy of Memorandum of Article & Association/partnership deed /undertaking of sole proprietorship/list of Directors and names of other persons responsible for managing the day-to-day affairs of the project.	Not Submitted
7	Proposed ToRs (based on the standard ToRs)	Not submitted
8	Does it attract the general condition? If yes, please specify	No

9	Whether the proposal involves approval/clearance under the Forest (Conservation)Act,1980	No
10	Does the project cover under PLPA, 1900	No
11	Whether the proposal involves approval/clearance under the Wildlife (Protection)Act, 1972?	No
12	Classification/Land use pattern as per Master Plan	Not submitted. However, it has mentioned that the area falls within MC limits of Kharar and is under residential use as per the Master Plan of the area.
13	Cost of the project	200 Crores.
14.	TORs Fee details	NA as the application submitted on 10.09.2017 i.e. before the date of Notification 27.06.2019
15.	Detail of various components	

SN	Description	Particulars	Unit
1	Plot Area (11.88 acres)	48090.24	SQM
2	Proposed Built Up Area	104388.87	SQM
3	Number of Building Blocks (9 Res+1EWS)	10(9+1)	NOS
4	Total no of Saleable DU's (708+72EWS)	780	NOS
5	Max Height of Building	50.3	M
6	Max No of Floors (Residential Tower)	G+15	NOS
7	Expected Population	4012	PERSONS
8	Permissible Ground Coverage Area (35%)	16831.584	SQM
9	Proposed Ground Coverage Area (24.325%)	11698.205	SQM
10	Permissible FAR Area (2.00)	96180.48	SQM
11	Proposed FAR Area (1.94)	93613.32	SQM
12	Non-FAR & Other areas	8635.84	SQM
13	Proposed Built Up Area	104388.87	SQM
14	Water to be supplied	GMADA	-
15	Total Water Requirement	397	KLD
16	Freshwater requirement	246	KLD
17	Wastewater Generation	280	KLD
18	Proposed STP Capacity	340	KLD
19	Treated Water Available for Reuse	224	KLD
20	Recycled Water	151	KLD

	21	Surplus treated water	73	KLD
	22	Rain Water Harvesting Potential	14934.82	CUM
	23	No of RWH of Pits Proposed	12	NOS
	24	Proposed Total Parking	756	
	25	Surface Parking	379	ECS
	26	Basement Parking	377	ECS
	27	Required Green Area	4106.336	SQM
	28	Proposed Green Area (36.85%)	17704.465	SQM
	29	Municipal Solid Waste Generation	2.01	TPD
	30	Quantity of E-Waste Generation-Kg/Day	13.0	KG/DAY
	31	Quantity of Hazardous Waste Generation	Oil =0.3	LTS/DAY
	32	Quantity of Sludge Generated from STP	56	KG/DAY
	33	Total Power Requirement	5800	KW
	34	DG set backup	1050	KVA

16	Municipal wastes (domestic and or commercial wastes)	(i) Solid waste generated from the residential block and other areas will be collected daily on door to door basis by the dedicated and trained housekeeping staff. Twin bin systems will also be provided for segregation at sources. Recyclable wastes will be sold to vendors and non- recyclable wastes will be disposed of through authorized agencies to the municipal waste disposal site. (ii) Biodegradable waste will be treated in an organic waste converter and will be used as a manure for horticulture development. (iii) MSW including horticulture waste will be handled as per the Municipal Solid Waste Management & Handling Rules, 2016
17	Detail of DG sets	DG set of 1050 KVA (1 X 300+ 1 X 750) is being used as a power backup during power failure. HSD (low sulfur

		variety as per availability) fuel is being used for DG sets.
18	Air pollution control	(i) Chimney on DG sets (ii) Generators will be placed either in acoustic chambers or a canopy.
19	Hazardous wastes (as per Hazardous Waste Management Rules)	(i) Waste oil from DG sets is only hazardous waste generation from the project. This waste oil is being carefully stored in HDPE drums in isolated covered space and sold to recyclers authorized by CPCB/SPCB. (ii) Suitable care is being taken to prevent spills/leaks of used oil from storage.
20	Give details of the water requirements met from water harvesting? Furnish details of the facilities create	(i) The rainwater collected from the rooftop, green area, and other paved areas will be collected through the network of stormwater drainage lines & conveyed to the RWH system. (ii) RWH system shall consist of de-silting cum filter chamber, oil and grease separator and pits are designed to store 15 minutes peak hour rainfall, for recharge into ground aquifer& to prevent flooding in the complex
21	Energy Requirements & Saving	The building envelop materials shall comply with ECBC norms on the whole building performance basis. The energy-saving shall be more than base capacity based on ECBC norms.

1.3 Complete details of the case, are summarised as under:

1	Proposal No	SIA/PB/NCP/22975/2018
2	Date of submission of application	13.09.2017
3	Date of acceptance of application	22.05.2018
4	Meeting of SEAC in which case was considered	167th meeting held on 26.05.2018
5	ADS 14.06.2018	Submit a hard copy of the application.

7	Reply received in reference to ADS	The project proponent submitted the hard copy of the application on 23/10/2019
6	ADS 05.05.2020	1. As to whether the list of persons responsible for the violation has been submitted. 2. As to whether the project has been constructed at a site that under prevailing law is permissible. if yes, has the project proponent submitted any documentary proof in this regard. 3. Whether permission has been obtained for the abstraction of the groundwater from the CGWA or not? 4. Whether any specific ToRs for the project on assessment of ecological damage, remediation plan, and natural and community resources augmentation plan have been submitted?
8	Reminder	A reminder was issued through email 06.05.2020 wherein it was requested to submit the reply online to the observations immediately, otherwise, it will be presumed that the project proponent has nothing to say and the project will be delisted in light of the OM dated 30.10.2012. However, no reply has been received so far.

2.0 Deliberation during 190th meeting of SEAC held on 27.06.2020

The case was considered by SEAC in its 190th meeting held on 27.06.2020 through video conference which was attended by Sh. Sandeep Garg, EIA Co-ordinator, M/s Eco Laboratories & Consultants Pvt. Ltd on behalf of the project proponent.

SEAC was apprised that this case is a violation case and was applied in the window given by the MoEF vide Notification dated 14.03.2017 & 08.03.2018.

SEAC was further apprised that the project proponent vide letter dated 25.06.2020 had intimated that he was not able to attend the meeting and sought time to submit the reply of Additional Details Sought (ADS) by SEAC due to the present situation of Covid-19.

SEAC observed that the project proponent was not taking interest in pursuing the application in the past also. However, SEAC also recognized the current situation due to Covid-19.

3.0 Recommendation of SEAC

After detailed deliberations, SEAC decided as under:

a) SEIAA be requested to issue a direction under Section 5 of the Environment (Protection) Act, 1986 to the Proect 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 & appear 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.

Item No. 190.03 Application for obtaining Environmental clearance under EIA notification dated 14.09.2006 for the establishment of a new unit for manufacturing of Steel ingots/billets by installing induction furnaces at Village Ambey Majra, Sirhind Side, Mandi Gobindgarh, Distt. Fatehgarh Sahib, Punjab M/s Kanha Concast (Proposal No. SIA/PB/IND/ 30310/2018).

SEAC observed that

The project proponent has applied for obtaining Environmental Clearance under EIA notification dated 14.09.2006 for the establishment of a new unit for manufacturing of Steel ingots/billets by installing induction furnaces at Village Ambey Majra, Sirhind Side, Mandi Gobindgarh, Distt. Fatehgarh Sahib, Punjab. Project Activity 3(a) & Category 'B1' as per EIA Notification, 2006.

1.0 Background

1.1 Deliberations during the 174th meeting of SEAC held on 28.12.2018

The case was considered by SEAC in the 174th meeting held on 28.12.2018 and was forwarded to SEIAA with recommendation to grant TORs along with additional Specific TORs. Accordingly, SEIAA in its 143rd meeting held on 07.02.2019 decided to issue the TORs. In compliance with the said decision, TORs were issued to the project proponent vide letter no. SEIAA/2019/267-269 dated 22.02.2019. The public hearing was conducted by PPCB on 30.05.2019.

The project proponent submitted the EIA report. The project proponent has initially deposited EC processing fee of Rs. 2,04,700/- vide RTGS NO VIJDH19259059708 dated 16.09.2019 for obtaining Environmental Clearance against the project cost of Rs. 20.47 crores.

EIA report was scrutinized and EDS was raised on 13.09.2019, 22.11.2019, to which replies were submitted by the project proponent on 18.09.2019 and 21.11.2019 respectively. The said replies were taken on record.

1.2 Deliberations during the 185th meeting of SEAC held on 29.11.2019

The case was placed in 185th meeting of SEAC held on 29.11.2019 and it was attended by the following:

1. Sh. Mohit Singla, Partner of the Company.
2. Dr. Sandeep Garg, EIA Coordinator from M/s Eco Laboratories and Consultants Pvt Ltd.

Before allowing the presentation, SEAC questioned the project proponent as to

whether Mandi Gobindgarh falls in the list of critically polluted areas as notified by MoEF or not. To this, the project proponent submitted that the moratorium on consideration of projects for Environmental Clearance for Mandi Gobindgarh area has been lifted on 15.02.2011 and the project can be considered for grant of Environmental Clearance.

SEAC was not satisfied with the reply submitted by the project proponent and after detailed deliberations, SEAC decided to defer the case and decided as under:

1. MoEF&CC be requested to clarify as to whether Mandi Gobindgarh and Ludhiana fall in the list of critically polluted areas or not.

2. All such cases are placed in the meeting of SEAC only after the clarification in the matter is received from the MoEF.

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

In view of the above opinion of SEAC, the case was placed in 187th meeting of SEAC held on 26.02.2020 and it was attended by the following:

i) Sh. Mohit Singla, Partner.
ii) Ms. Simranjit Kaur & Ms. Priyanka Madan, Environmental Consultant from M/s Eco Laboratories and Consultants Pvt Ltd.

Before allowing the project proponent to present salient features of the project, to a query of SEAC, project proponent informed that project falls within the 5.0 Km radius from the boundary of MC Limit/ Critically Polluted Area of Mandi Gobindgarh.

In compliance with the above decision, MoEF&CC has been requested vide letter no 1098 dated 04.12.2019 as to whether Mandi Gobindgarh and Ludhiana fall in the list of critically polluted areas or not. However, no reply has been received.

It is pertinent to mention here that present case is similar to the item no 186.10 & 186.11 of 186th meeting of SEAC held on 26.12.2019 wherein detailed in deliberations were made and the SEAC was an opinion that the Mandi Gobindgarh with a revised CEPI score of 53.91, no more falls in the list of Critically Polluted Areas, as per the assessment made by the CPCB in 2017-18. Therefore, the projects of environmental clearance falling in the area of Mandi Gobindgarh be considered by the SEAC, which otherwise appraised at the Central level as B1 projects.

Thereafter, Environmental Consultant presented the salient features of the project. The presentation submitted was taken on record by the SEAC.

During the meeting, certain observations were made by the SEAC which were conveyed to the project proponent on 01.04.2020 through online ADS (additional detail sought) facility available on the web portal of MoEF. The project proponent submitted a reply to the ADS on 11.04.2020 as under:-

Sr. No.	ADS raised by SEAC on 1.04.2020	Reply submitted by the project proponent on 11.04.2020
1.	Submit a revised proposal on pond recharging w.r.t. CGWA guidelines including phytorid wastewater treatment technology	Revised Rainwater recharging proposal was submitted as per CGWA guidelines, which was annexed as Annexure-1 of the reply. a. Annual pump age of ground water :18025 KL b. Annual recharge considering 50% of the volume of water available in the Pond after de-silting: 36,422 KL c. Thus, the quantity of ground of recharging is double of the ground water withdrawal as per CGWA guidelines.
2.	Submit the revised water balance diagram for the Green area w.r.t. summer, winter, and rainy season. Also, mention the source of water for green plantation.	Revised water balance for summer rainy winter season was submitted as Annexure 2 of the Reply the details of the same incorporated in the salient features of the project. Ground water will be utilized for plantation purposes. As the project lies in a non-notified zone & Sirhind block, the CGWA application had already been filed for freshwater demand of 51.5 KLD.
3.	The project proponent was asked to submit a copy of the agreement made with the interlocking tile manufactures. Also, submit the process details of the interlocking tiles manufacturing unit & its utilization capacity of slag.	11 TPD of slag will be generated out of which 20% metal will be recovered (i.e. 2.2. TPD). Remaining 8.8 TPD of slag will be handed over to third parties for utilization in inter-locking tiles. A copy of the agreement made with the M/s Shree Sai tile Industries located at Amloh Road, Ramgarh (Bhadson), Distt Patiala, M/s Goyal Tile Industries located at Village Chanalon, Jhingran Road, Kurali, Distt SAS Nagar, M/s A.K Enterprises Village Ramgarh Ramgarh (Bhadson), Distt Patiala, were submitted for utilizing slag 65, 100 & 110 MT/month capacity respectively. A copy of the flowchart showing process for the manufacturing of interlocking tiles was also submitted.
4.	Submit revised mass balance mentioning the quantity of additional Ingots/Billets to be purchased from the local market & Ingots produced from Induction Furnace in the rolling mill.	Revised material balance was submitted. No additional billets will be purchased from the local market. Only in house manufactured billets will be utilized for the manufacturing of Flats, TMT bars, wire rods, etc APCD dust will be sold to Madhav Alloys Pvt. Ltd.

<table>
<tr>
<td>5.</td>
<td>Submit revised CER activities as per the OM dated 01.05.2018 along with NOC from School Principal/ Sarpanch.</td>
<td>As the cost of the proposed project is Rs. 20.47 Crores; thus; Rs. 41 lakhs (@ 2% of Investment cost) is required to be spent for CER activities as per Office Memorandum vide F.No. 22-65/2017-IA.III dated 01.05.2018. Accordingly, Rs. 41 lakhs will be spent under following CER activities:
<table>
<tr><th>SI. No.</th><th>Description</th><th>Schedule</th><th>Amount</th></tr>
<tr><td>1.</td><td>Provision of facilities in Govt. Elementary School, Village Rurki, Sirhind:

• Building maintenance
• Provision of water cooler
• Solar panel
• Inverter
• Stationary & tables.</td><td>1 year</td><td>Rs. 11 lakhs</td></tr>
<tr><td>2.</td><td>Provision of facilities in Shree Prakhar Propkar Mission Hospital:

• Distribution of medicines.
• Distribution of wheelchairs
• Providing money for eye operation of the needy patients
• Distribution of eyeglasses
• Distribution of lenses for operation</td><td>1 year</td><td>Rs. 30 lakhs</td></tr>
<tr><td></td><td colspan="2">Total Amount to be spent under CER</td><td>Rs. 41 Lakhs</td></tr>
</table>
</td>
</tr>
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		Consent letters from School, as well as Hospital, were submitted.
6.	Submit the revised cost of APCD for 24 TPH Induction Furnace & rolling mill as per quotation from reputed vendor & accordingly revised project cost.	APCD will only be installed for Induction Furnace. The cost of the APCD will be approx. Rs. 1 Crore and the same was already included in the plant & machinery of Rs. 12.91 Crores. Thus, there is no revision in the project cost of Rs. 20.47 Crores. Revised cost to be spent on EMP is mentioned in the salient features of the project given below.
7.	Submit undertaking about the detailed calculation of the green area to be developed (Block wise) and no. of plants to be planted by the project proponent.	Landscape plan mentioning block-wise green area including no. of trees to be planted was submitted. The detail of different the block-wise area given as under i. A Block Green Area - 16797 SQFT ii. B Block Green Area - 12146 SQFT iii. C Block Green Area - 2910 SQFT iv. D Block Green Area - 8899 SQFT v. E Block Green Area - 2906 SQFT vi. No. of Trees (existing) - 52 Nos vii. Proposed Trees - 195 Nos
8.	Submit details of parking area calculations and mention it on the layout with a legend.	Revised parking details along with layout plan mentioning parking details were submitted. The details of the same are as under:- i. Parking area: 73.207 sqm ii. No. of tow-wheelers which can be parked= 15 no iii. Truck Parking area: 182.08 sqm iv. No. of truck: 5 v. Trucks can be parked inside the park loading/unloading:16 vi. No of Trucks required production capacity: 4 per hour / 34 trucks per day vii. At any time truck park inside the premises: 21 trucks per day.
9.	Submit an attested copy of the results of groundwater samples as PP informed that there is a typing error in the presentation.	Due to some typographical mistakes, the groundwater results in the presentation were wrongly typed. However, the results submitted along with the EIA report were correct. Copies of analysis reports of groundwater samples were submitted.

In continuation, Project Proponent also submitted a reply vide letter dated 27.05.2020 and revised the total project cost to Rs. 21.07 crores along with revised CER activities

of Rs. 43 Lakhs & accordingly submitted additional processing fee as per following details :

i) Due to an increase in APCD cost; project cost has been increased from Rs. 20.47 Crores to Rs. 21.07 Crores. Thus, the project proponent paid an additional EC processing fee of Rs. 6,000/- vide UTR no. Barba20148053333 dated 27.05.2020.

ii) Mohit Singla (Partner) of M/s. Kanha Concast will be responsible for the implementation of CER (Corporate Environmental Responsibility) within 1 year. As the cost of the proposed project is Rs. 21.07 Crores; thus; Rs. 42.14 lakhs (@ 2% of Investment cost) is required to be spent for CER activities as per Office Memorandum vide F.No. 22-65/2017-IA.III dated 01.05.2018. Accordingly, Rs. 43 lakhs will be spent under the CER activities, the details of the same are mentioned in the salient features of the project.

2.0 Deliberations during the 190th meeting of SEAC held on 27.06.20

The case was placed in the 190th meeting of SEAC held on 27.06.2020 and was attended by the following through Video Conference:

i) Sh. Mohit Singla, Partner.

ii) Dr. Sandeep Garg, Ms. Simranjit Kaur & Ms. Priyanka Madan, Environmental Consultant from M/s Eco Laboratories and Consultants Pvt Ltd.

Environmental Consultant presented the reply to the earlier observations as mentioned above. After the discussions, SEAC made certain observations to which project proponent replied as under:

Sr. No.	Query	Reply
1	Trees should be provided in the green area as per the MoEF norms (1500 trees per hectare) and no shrubs should be taken into this account.	Undertaking regarding the provision of trees in the green area was submitted. As per the undertaking submitted the details of the trees proposed in the project site is given as under: 1) Existing trees: 52 nos 2) Proposed trees: 554 nos 3) Total trees: 606 nos A copy of the layout plan mentioning the name of the species to the planted was submitted and taken on record.
2.	Rain water utilization proposal during Monsoons.	Rain water storage tank of size 5m x 5m x 12m shall be provided to store the 300KLD rain water run off generated from the rooftop. A copy of the layout

<table>
<tr><td></td><td></td><td>plan earmarking the location of the rainwater storage tank was submitted which was taken on record by SEAC.</td></tr>
<tr><td>3.</td><td>Whether separate Air Pollution Control Device (APCD) has been proposed for the rolling mill. If, yes whether, cost of the same has been included in the project cost.</td><td>APCD in the form of compartmentalized Pulse-Jet Bag Filter (offline cleaning) with a spark arrestor and ID Fan will be provided on the Induction furnace. Feasibility design report for APCD, of two induction furnaces of 12 TPH each approved by PSCST has been submitted.

Further, as CCM will be provided within the industry, thus, direct rolling will be done after passing Billets through the CCM. Thus, there is no requirement of providing separate APCD on the rolling mill. The cost of APCD for Induction furnace has already been included in the total project cost.

An online monitoring system will also be installed with the APCD and there will be the provision of sampling at the inlet/outlet of APCD.</td></tr>
<tr><td>4.</td><td>Provide correct co-ordinates of the project.</td><td>The correct coordinates are given below:

<table><tr><th>Corner</th><th>Latitude</th><th>Longitude</th></tr><tr><td>A</td><td>30°38'28.38"N</td><td>76°18'49.45"E</td></tr><tr><td>B</td><td>30°38'28.37"N</td><td>76°18'44.46"E</td></tr><tr><td>C</td><td>30°38'25.43"N</td><td>76°18'44.42"E</td></tr><tr><td>D</td><td>30°38'25.39"N</td><td>76°18'48.85"E</td></tr><tr><td>E</td><td>30°38'25.43"N</td><td>76°18'49.31"E</td></tr></table></td></tr>
</table>

The SEAC observed that the project proponent has provided adequate, satisfactory clarifications to the above-said observations raised by it.

3.0 Recommendations

After detailed deliberations, SEAC decided to award **'Silver Grading'** to the project proposal and to forward the application to SEIAA with the recommendations to grant Environmental Clearance for the establishment of a new unit for the manufacturing of Steel ingots/billets by installing two no. induction furnaces of capacity 12 TPH each at Village Ambey Majra, Sirhind Side, Mandi Gobindgarh, Distt. Fatehgarh Sahib, Punjab by M/s Kanha Concast as per the details mentioned in the Form 2, EMP & subsequent presentation /clarifications made by the project proponent and his consultant with following salient features and conditions as under: -

Salient features of the project:

Sr. No.	Item	Details
1	Online Proposal No.	SIA/PB/IND/30310/2018
2	Name and Location of the project	"Kanha Concast" located at Village Ambey Majra, Chatarpura Road, Mandi Gobindgarh, Distt. Fatehgarh Sahib, Punjab
3	Coordinates (Latitude & Longitude)	A: 30°38'28.37"N and 76°18'44.46"E B: 30°38'25.43"N and 76°18'44.42"E C: 30°38'25.39"N and 76°18'48.85"E D: 30°38'25.43"N and 76°18'49.31"E E: 30°38'28.38"N and 76°18'49.45"E
4	Project/activity covered under item of scheduled to the EIA Notification, 14.09.2006	3(a): Metallurgical Industries (Ferrous & Non-ferrous)
5	Whether the project is in a critically polluted area or not.	No. Further, PPCB vide letter no.4023 dated 21.11.2019 informed that as per the report submitted by CPCB in NGT, the CEPI score of Mandi Gobindgarh was mentioned as 53.91, which falls under the category of "other polluted area" (having CEPI score below 60).
6	Does the project involve the diversion of forest land?	No.
7	Classification/Land use pattern as per Master Plan	Industrial
8	Revised Cost of the project	Rs. 21.07 Crores
9	Total Plot Area, Shed Area, and Green area	The area details of the project are as under:

		Description	Total (sqm.)
		Total area	12,293.21 (3.03 acres)
		Shed area	3,537.748 sqm
		Green Area Total No. of trees to be planted	4,055.961 sqm (33% of the project area) 606 nos

10 Raw material details:

Sr. No	Description of Raw Materials	Quantity (TPA)	Mode of transport
1.	Scrap & Ferro Alloys	126000	By road through trucks

11 Products Details:

Sr. No	Description of Products	Quantity (TPA)
1.	Ingots/Billets	1,10,000
2.	Flat bar, TMT bar, wire rods & rounds by direct rolling through CCM	1,04,500

12 Details of Induction Furnace:

Sr.no	Description of Machinery	Quantity
1.	Induction Furnaces.	2 nos of capacity 12TPH each
2.	Direct rolling through CCM	1 nos

13	Manpower requirement	Manpower will be 150 persons including both technical& non-technical; out of which, 20 will be residing within the project premises.
14	Water Requirements & source in Construction Phase	10 KLD of water will be required during the construction phase which will be met by a private water tanker.

15 Revised Break up of Water Requirements & source in Operation Phase (Summer, Rainy, Winter):

The total water requirement for the project will be 58.5 KLD out of which 51.5 KLD will be met through freshwater requirement and remaining will be met through treated sewage. Break-up of the same is given as under:

Sr. No.	Description	Water demand (KLD)
1.	Cooling water demand	28
2.	Domestic water demand	8.5
3.	Green water demand for area 4055.961 sqm	In summer season:22 KLD In winter season:7 KLD In rainy season: 2 KLD

	Total		58.5
	Sr. No.	Description	Source of water
	1.	Domestic	Groundwater
	2.	Make-up water demand for cooling	Groundwater & treated water
	3.	Flushing purposes	Nil
	4.	Green area water demand	Groundwater
	5.	HVAC	-
16	Treatment & Disposal arrangements of wastewater in Construction Phase	Septic tank will be provided in the construction phase and the treated waste water will be utilized for plantation purposes.	

17 Details of Effluent & its disposal

Sr. No.	Details	Quantity	Remarks
i)	Industrial Effluent	Nil	No industrial effluent generated
ii)	Domestic Effluent	7 KLD	Wastewater generated from the project will be treated in the STP of capacity 10 KLD and the same shall be utilized for cooling tower.

18 Details of Emissions

Sr. No.	Source	Capacity	Chimney Height (m)	Air Pollution Control Device
i)	Induction Furnace	2 x 12 TPH	18 m	Side suction Hood followed by Pulse-Jet bag filter with offline clean technology.
ii)	DG sets	1 x 160 KVA 1 x 200 KVA	h + 3 m h + 3 m	Equipped with Canopy

*h = height of rooftop of nearest building from ground level.

19	Rainwater recharging detail	Rain water storage tank of size 5m x 5m x 12m shall be provided to store the 300KLD rain water run off generated from the rooftop. A copy of the layout plan on which location of the tank marked has been submitted Further, rainwater recharging will be done by the adoption of a pond in a village Rurki, Mandi Gobindgarh. As the project falls in the over-exploited zone, thus, the quantity of recharging will be double of the groundwater withdrawal. A

<table>
<tr><td></td><td></td><td>total 36,422 m^3 per annum of water will be recharged against the groundwater withdrawal of 51.5 KLD considering 350 operational days.</td></tr>
<tr><td>20</td><td colspan="2">Solid waste generation and its disposal
<table>
<tr><th>Sr No.</th><th>Solid Waste</th><th>Quantity</th><th>Disposal</th></tr>
<tr><td>i)</td><td>Slag</td><td>11 TPD</td><td>Sold to M/s Shree Sai tile Industries located at Amloh Road, Ramgarh (Bhadson), Distt Patiala, M/s Goyal Tile Industries located at Village Chanalon, Jhingran Road, Kurali, Distt SAS Nagar, M/s A.K Enterprises Village Ramgarh Ramgarh (Bhadson), Distt Patiala, for which agreements have been made</td></tr>
<tr><td>ii)</td><td>Domestic Waste</td><td>34 Kg/day</td><td>Waste will be disposed of as per Solid Waste Management Rules, 2016.</td></tr>
</table></td></tr>
<tr><td>21</td><td colspan="2">Hazardous Waste & its disposal
<table>
<tr><th>Sr. No.</th><th>Hazardous Waste Category</th><th>Quantity</th><th>Disposal</th></tr>
<tr><td>i)</td><td>Cat.35.1 – Exhaust air or Gas cleaning Residue</td><td>0.9 TPD</td><td>Sold to M/s Madhav Alloys for which agreement to be made</td></tr>
<tr><td>ii)</td><td>Cat.5.1 – Used Oil</td><td>0.3 KL/annum</td><td>Sold to an authorized vendor</td></tr>
</table></td></tr>
<tr><td>22</td><td>Energy Requirements & Saving</td><td>The details of the energy are given below:
<table>
<tr><th>S. No.</th><th>Description</th><th>Proposed</th></tr>
<tr><td>1.</td><td>Power load</td><td>10,000 KW</td></tr>
<tr><td>2.</td><td>D.G sets</td><td>2 DG sets of 160 KVA & 200 KVA capacity respectively</td></tr>
</table>
<u>Energy-saving measures:</u>
a) LEDs will be used in place of CFL
b) Energy Efficient Induction Furnaces will be installed</td></tr>
<tr><td>23</td><td>Environment Management Plan along with Budgetary break-up phase-wise And responsibility to implement</td><td>During the construction phase, Rs. 131 lakhs will be allocated for the implementation of EMP.

During the operation phase, Rs. 12 lakhs will be allocated as a recurring cost for EMP. The details of the same is given as under:</td></tr>
</table>

	S. No.	Environmental protection measures	Capital cost (Rs. in lakhs)	Recurring cost (Rs. in lakhs/ year)
	1.	Air Pollution Control (Installation of APCD)	100	1.0
	2.	Water Pollution Control (STP)	15	2.0
	3.	Noise Pollution Control (Including landscaping & green belt)	4.5	1.5
	4.	Solid Waste Management	2.5	1.0
	5.	Environment Monitoring & Management	3.0	5.0
	6.	Health, Safety & Risk Assessment	3.0	0.5
	7.	Rain Water Recharging outside the project premises	2.0	0.5
	8.	Miscellaneous	1.0	0.5
	Total Amount to be spent on EMP		131	12
24	CER activities along with budgetary break-up and responsibility to implement. Rs. 43 lacs will be spent towards the CER activities and the details of the same mentioned in the condition imposed under the heading of CER.			

Conditions to be imposed in the Environmental Clearance:

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 process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R 277 (E) dated 31st March 2012 (applicable to IF/EAF) as amended from time to time; S.O. 3305 (E) dated 7th December 2015 (Thermal Power Plants) as amended from time to time) and connected to SPCB and CPCB online servers and calibrate these 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 having volume @ 24,281m^3 located in the village Rurki shall be adopted for desilting to recharge the water @36,422 m^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. 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 equal to at least 33% of the plant area with tree species in accordance with SEIAA guidelines. Total 606 trees to be planted without account the shrubs. The greenbelt shall inter alia cover the entire periphery of the plant. The industry shall ensure that most of the periphery shall be provided with green belt by removing the unwanted/non-productive structures already provided in the existing project near the boundary wall.

VIII. Public hearing and Human health issues

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

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

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

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

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. Corporate Environment Responsibility

i. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility. The project proponent shall adhere to the commitments made in the revised proposal for CER activities for spending atleast minimum amount of Rs.43 Lacs towards following CER activities:

SI. No.	Description	Schedule	Amount (in lakhs)
1.	Provision of facilities in Govt. Elementary School, Village Jalverhi Gehlan: • Floor tiles in classrooms • Block tiles on pavement to classrooms • LED for Pre Primary students	1 year	Rs. 5 lakhs
2.	Provision of facilities in Govt. Elementary School, Village Arai Majra, Block Khera: • Floor tiles in Veranda and classrooms • Block tiles on pavement to classrooms • Block tiles for coverage space for children activities	1 year	Rs. 5 lakhs
3.	Provision of facilities in Govt. Elementary School, Village Rajindergarh, Block Khera: • Repairing of classroom & Maintenance of building • Providing smart LED TV • Providing Computer & Printer	1 year	Rs. 5 lakhs
4.	Provision of facilities in Govt. Elementary School, Village Rurki, Sirhind: • Building maintenance • Provision of water cooler • Solar panel • Inverter • Stationary & tables.	1 year	Rs. 5 lakhs
5.	Provision of facilities in Gram Panchayat Rurki, Distt. Fatehgarh Sahib: • Solar Street Lights • Interlocking tiles in village streets • Maintenance of Gram Panchayat Building	1 year	Rs. 11 lakhs
6.	Provision of facilities in Gram Panchayat Naraingarh Channa, Distt. Fatehgarh Sahib: • Solar Street Lights • Interlocking tiles in village streets • Boundary wall of Panchayat Ghar	1 year	Rs. 12 lakhs

	Total Amount to be spent under CER	Rs. 43 Lakhs

However, CER activities shall strictly be in accordance with the activities listed out in the OM dated 01.05.2018 and as per the proposal submitted by the project proponent. The amount to be spent on CER activities shall be proportionate to the amount spent on project & such activities shall run parallel to the project execution. All the activities must be completed with the completion of the project.

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

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

iv. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. The project proponent shall spend a minimum amount of Rs 131 Lacs towards the capital cost and Rs 12 Lacs/annum towards recurring cost including the environmental monitoring cost for the implementation of EMP as proposed in revised EMP plan. 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.

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

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

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 EIA /EMP report, commitment made during Public Hearing and also that during their presentation to the SEAC and SEIAA.

x. No further expansion or modifications in the 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.

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 for abstraction of ground water @ 51.5 KLD to meet the requirement of Industrial, domestic & green belt.

v. The project proponent shall construct rain water tank of capacity 300KL 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 @ 275 MT per month as per the agreement made with the interlocking tile manufacturing units.

vii. The project proponent shall dispose of APCD dust @ 0.9 TPD to M/s Madhav Alloys Pvt. Ltd.

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 adequate capacity 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 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.

xii. 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.

xiii. 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.

xiv. 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.

xv. 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.

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

xvii. 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. 190.06: Application for obtaining Environmental Clearance under EIA notification dated 14.09.2006 for Expansion of existing water-based paints, powder coating paints and emulsion manufacturing facilities in its Integrated Paint Manufacturing Facility at Phase II, Goindwal Industrial Complex, Village - Goindwal Sahib, Tehsil- Khadur Sahib, District- Tarn Taran, Punjab by M/s Kansai Nerolac Paints Limited (Proposal no SIA/ PB/IND2/ 21582/2018).

SEAC observed that:-

The project proponent has applied for obtaining Environmental Clearance under EIA notification dated 14.09.2006 for Expansion of existing water-based paints, powder coating paints and emulsion manufacturing facilities in its Integrated Paint Manufacturing Facility at Phase II, Goindwal Industrial Complex, Village - Goindwal Sahib, Tehsil- Khadur Sahib, District- Tarn Taran, Punjab. The project is covered under Activity 5(h) "Integrated Paint Industries" of the Schedule appended to the said notification.

1.0 Background

1.1 Deliberations during the 162nd meeting of SEAC held on 15.02.2018

The case was considered by SEAC in the 162nd meeting held on 15.02.2018 and was forwarded to SEIAA with the recommendation to grant TORs along with Standard Terms of Reference and additional specific TORs decided during a meeting of SEAC.

1.2 Deliberations during the 128th meeting of SEIAA held on 06.03.2018

SEIAA in its 128th meeting held on 06.03.2018 decided to issue the TORs. In compliance with the said decision, TORs were issued to the project proponent vide letter no. SEIAA/2018/473 dated 09.04.2018. The project proponent was allowed exemption from the process of public consultation as the proposed site is located in an industrial area which was established prior to the issuance of EIA notification,2006.

2.0 Present Case

EIA report was scrutinized and EDS was raised on 05.03.2019 to which project proponent replied online. The application for obtaining EC was accepted online on 30.03.2019 before the date of the notification dated 27.06.2019 and thus, the fee for obtaining EC does not apply to the project.

2.1 Deliberations during the 181st meeting of SEAC held on 11.07.2019

The case was considered by the SEAC in its 181st meeting held on 11.07.2019 wherein, before allowing the Project Proponent and his Environmental Consultant to present the salient features of the project, SEAC asked the project proponent to submit the compliance of observations raised by the Northern Regional Office of MoEF&CC at Chandigarh in the compliance report of earlier granted environmental clearance.

The project proponent submitted the pointwise compliance but was unable to show the documentary evidence in support of the compliance made to the observations. SEAC was not satisfied with the reply given by the project proponent and his environmental consultant.

SEAC observed that in the present case, the compliance report given by the Northern Regional Office of MoEF&CC at Chandigarh shows some observations to which the project proponent has claimed that they have made compliance of the same. However, in absence of any concrete evidence from the project proponent, as such before proceeding further, the action taken report is required to be got verified from the Regional office of MoEF&CC as per OM dated 07.09.2017.

SEAC also observed that to avoid the delay, the Committee allowed the project proponent and his environmental consultant to present the salient features of the project so that the project proponent can submit the reply to the further observations (if any) raised in the present meeting. SEAC asked the certain queries to which project proponent and his environmental consultants sought time to attend the same.

After detailed deliberations, SEAC decided as under:

a) Northern Regional Office of MoEF&CC at Chandigarh be requested to re-verify the action taken by the project proponent w.r.t the observations raised by their office in the early Compliance report received from MoEF&CC and send the report at the earliest possible so that further action on the expansion application may be taken.
b) Case be deferred till the Project proponent and his Environmental Consultant attend the aforesaid observations & submit the complete reply.

In compliance with the above decisions,

a) the Northern Regional Office of MoEF&CC at Chandigarh was requested vide letter no 859 dated 22/08/2019 to re-verify the action taken by the project proponent w.r.t the observations raised by their office in the early Compliance report received from MoEF&CC.

b) The decision of SEAC was conveyed to the project proponent through online ADS (Additional Detail Sought) facility available on the web portal and letter no 861 dated 22/08/2019.

Northern Regional Office of MoEF&CC in reply to above SEAC request submitted the re-verification of the Action Taken report against not complied conditions of monitoring report dated 17.12.2018 vide letter no. 5-02/2017-RO (NZ)/ 427-428 dated 04.12.2019.

Further, the project proponent submitted the reply online on 06.11.2019 to the observation of 181st meeting held on 11.07.2019.

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

The case was considered by SEAC in the 186th meeting held on 26.12.2019, but no one from the project proponent attended the meeting. In light of Office Memorandum dated 25.02.2010 of MoEF, Govt. of India, the SEAC decided to defer the case and asked the project proponent to attend the next meeting of the SEAC as and when held.

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

The case was placed in the 187th meeting of SEAC held on 26.02.2020, which was attended by the following:

i) Sh. Ramandeep Singh Karir, Works Manager.
ii) Mr. Sameer Kadam, M/s Kadam Environmental Consultants Ltd, Environment Consultant of the promoter company

During the meeting, the Environmental Consultant presented the salient features of the project. It was also observed that RO MoEF&CC, Chandigarh has sent the revalidated compliance report vide letter no. 5-02/2017- RO (NZ) 427-428 dated 4th December 2019, wherein it was reported that application for HSD storage license from Chief Controller of explosives has been applied but has not been granted yet.

In reply to this, the project proponent submitted a copy of License no. (P/HQ/PB/15/2017/P425070) to import and store Petroleum in an installation having permission to store Petroleum Class B in Bulk with 50KL issued by the Chief Controller of explosive, which was taken on record by SEAC.

After detailed deliberations, SEAC decided to defer the case till the project proponent submits satisfactory reply of various observations raised in the meeting held on 11.07.2019 & 26.02.2020. Accordingly, decision of the committee was conveyed to the project proponent vide Email dated 01.04.2020 and through online ADS. Later on, the project proponent submitted the reply to the above observation vide email dated 01.04.2020.

SEAC was not satisfied with the reply of the project proponent regarding submission of NOC from PSIEC for abstraction of ground water (522 KLD) as the proponent could not submit the NOC within 48 hours and water balance diagram. Therefore, the decision was again conveyed to the project proponent vide letter no. SEAC/2020/1585 dated 20.05.2020. The complete reply was received from the project proponent on 02.06.2020 and accordingly, the case was placed before SEAC in its 190th meeting.

3.0 Deliberations during the 190th meeting of SEAC held on 27.06.2020

The case was considered in 190th meeting of SEAC held on 27.06.2020 and the same was attended by the following through Video Conference:

i) Sh. Indernath Chaterjee, Corporate Head of the promoter company
ii) Sh. Ramandeep Singh, Plant Manager of the promoter company
iii) Mr. Sameer Kadam & Ms. Meetali, M/s Kadam Environmental Consultants Ltd, Environment Consultant of the promoter company

The project proponent submitted the reply to the above observations vide letter dated 02.06.2020. Environmental Consultant of the promoter company presented the reply to the observations made by the committee in the last meeting. The detail of the same is given as under:

Sr. No	Observation made during meeting 26.02.2020	Reply submitted by Project Proponent on 02.06.2020
1.	Submit NOC and permission letter from PSIEC as documentary proof, regarding Quantity of water already being supplied for existing operations i.e 370 KLD & proposed expansion i.e 522KLD within 48 hrs.	The project proponent submitted the letter no. 4243 dated 01.06.2020 issued by PSIEC for the existing water supply of 370 KLD and proposed water supply of 522 KLD
2	Explain the rain Water storage proposal along with a revised Water Balance Diagram	25KLD water from rainwater storage tank of capacity 1000 KL, was considered to reduce freshwater demand during 40 rainy days. Thus, freshwater requirements during the rainy season will reduce to 497 KLD from 522 KLD. Further, rain water storage tank of capacity 1000 KL has already been constructed. Except for rainy days, Water demand of 522 KLD will be fulfilled by PSIEC supply water. The water Balance for summer/winter season and monsoon season was submitted in Annexure-2 of the reply.
3	Re-examine the capacity of the boiler as presently.	Kansai Nerolac Paints Limited awarded a contract to set up ETP/ZLD to M/s. Ion Exchange (India) Limited. The supply and installation of a boiler for MEE is also part of

Sr. No	Observation made during meeting 26.02.2020	Reply submitted by Project Proponent on 02.06.2020
	SEAC sought clarification regarding the boiler test report submitted on the name of the customer i.e. Aeon India Cooperation Pvt. Ltd.	the contract. Ion Exchange Limited installed and commissioned the boiler for MEE through their sub-contractor M/s. Aeon India corporation Pvt Limited. The undertaking cum certificate of Ion Exchange Limited was submitted as Annexure-3 of Reply As per attached boiler test report of Aeon India Corporation Pvt.Ltd as Annexure-4 of reply, the steam requirement for MEE is 325 Kg/Hr (+/- 10%) whereas boiler capacity is 600Kg/hr.
4	Onsite & Offsite emergency plans and its compliance status to be submitted.	Onsite & offsite emergency plan submitted to Factory inspector and acknowledgment of the same was submitted as Annexure-5 of Reply and copy of onsite and offsite emergency plan was submitted as Annexure-6 Reply
5	Authority letter of Project proponent	The authority letter of the Project proponent was submitted.

SEAC took the reply submitted by the project proponent on record. SEAC observed that project proponent has provided adequate and satisfactory reply to the above aforesaid observation.

4.0 Recommendations of SEAC

After detailed deliberations, SEAC decided to award **'Silver Grading'** to the project proposal and forward the application to SEIAA with the recommendations to grant Environmental Clearance for expansion of existing water-based paints, powder coating paints and emulsion manufacturing facility in its integrated paint manufacturing facility located at Phase II, Goindwal Industrial Complex, Village - Goindwal Sahib, Tehsil- Khadur Sahib, District- Tarn Taran, Punjab as per the details mentioned in Form 2, EMP & subsequent presentation /clarifications made by the project proponent and his consultant with following salient features of the project and conditions:-

Salient feature of the project:

1	Name and Location of the project	M/s. Kansai Nerolac Paints Limited, Village- Goindwal Sahib, Tehsil- Khadur Sahib, District- TaranTaran, Punjab
2.	Category / Item No. (in schedule)	5 (h) Integrated Paint Industry

3.	Details	Existing land area	Greenbelt area	Area for Expansion
	Plot Area	142179 sqm	4692 sqm	26,274 sqm

4	Co-ordinates of the project site	Latitudes & Longitude of the project site are as under:

31 21 42.10 N	75 7 57.60 E
31 21 47.10 N	75 7 50.00 E
31 21 45.50 N	75 7 48.60 E
31 21 42.30 N	75 7 45.80 E
31 21 36.10 N	75 7 40.40 E
31 21 35.90 N	75 7 40.20 E
31 21 40.30 N	75 7 33.20 E
31 21 40.70 N	75 7 32.80 E
31 21 39.70 N	75 7 32.80 E
31 21 35.20 N	75 7 39.70 E
31 21 33.00 N	75 7 37.60 E
31 21 28.10 N	75 7 45.70 E
31 21 34.30 N	75 7 50.30 E

5.	Project Cost	Rs. 370 crores
6.	Raw Material requirement	

Sr. No.	Chemical	State	Storage means	Size of storage means	Consumption (MT/Mon)
	Product: Water based paint				
1	Additives	Powder & Liquid	Bag, barrel & Carboy	Bag: 25 kg Barrel: 200 litres Carboy: 25 Litres	310
2	Biocides	Powder & Liquid	Bag, barrel & Carboy	Bag: 25 kg Barrel: 200 litres Carboy: 25 Litres	162
3	Driers	Liquid	Barrel	200 Litres	3
4	Emulsion	Liquid	Barrel, Carboy, Storage Tank	Barrel: 200 litres Carboy: 25 Litres Storage Tank: 30 KL	2850
5	Extenders	Powder	Bag	25 Kg	4073
6	Pigments	Solid, Liquid, Paste	Bag, Carboy	Bag: 25 Kg Carboy: 25 Kg	383
7	Liquor ammonia	Liquid	Carboy	Carboy: 25 Litre	27
8	Chemicals	Powder, Solid	Bag	25 Kg	112
9	TiO2	Powder	Bag	25 Kg	725
10	Water	Liquid	Storage Tank	60 KL	5650
	Products: Powder coating paint				
11	Additive	Solid	Bag	25 Kg	22
12	Catalyst	Solid	Bag	25 Kg	0.5
13	Extender	Solid	Bag	25 Kg	444
14	Hardener	Solid	Bag	25 Kg	7

15	Metallic Pigment	Solid	Bag	25 Kg	0.2
16	Pigment	Solid	Bag	25 Kg	99
17	Resin	Liquid, Solid	Barrel, Bag	200Liter, 25 Kg	650
18	Wax	Solid	Bag	25 Kg	3
	Products: Emulsion				
19	Additive	Powder	Bag	20 Kg	4.7
20	Chemicals	Powder, Liquid	Bag, Carboy, Barrel	Bag: 25 kg Carboy: 25 litres Barrel: 200 litres	140
21	Monomer	Liquid	Storage Tank	Styrene: 60 KL Other Monomers: 100 KL	1386.5
22	Liquor ammonia	Liquid	Carboy	25 litres	24.5
23	De-Ionized water	Liquid	Storage Tank	60 KL	1471.5
24	Biocides	Liquid	Carboy	25 litres	3.75

7. Production Capacity

S.No.	Name of Products	Unit	Production capacity	Proposed Expansion	Total Capacity
1	Water-based paints	TPA	38000	74000	112000
2	Powder coating paints	TPA	14400	Nil	14400
3	Emulsion	TPA	24000	12000	36000

9. Manpower

The manpower requirement for the manufacturing facility is approx. 145 nos. (Permanent and contract basis).

10. Water Requirements & its source

Total Water Demand: 522 KLD

i) Existing water requirement: 370 KLD

ii) Proposed water requirement: 152 KLD

The main source of water available in the area is the PSIEC water supply. The permission letter of PSIC for existing water supply of 370 KLD and proposed of 522 KLD has been submitted.

11. Details of Effluent

No.	Details	Quantity (After Expansion)	Remarks
i)	Industrial Effluent	108 KLD	The effluent generated from the domestic use will be separately treated in STP of capacity 50 KLD and treated water will be completely reused in gardening/ toilet flushing. The industrial effluent will be collected separately and treated in ETP of capacity 116 KLD followed by RO & MEE. Treated water from RO and MEE will be recycled and reused for cooling tower and rejects will be sent to MEE for evaporation in plant premises.
ii)	Domestic Effluent.	41 KLD	

12. Details of Emissions

Sr. No.	Source	Existing Capacity	Proposed capacity	Chimney Height (m)
i)	Boiler	300 Kg/Hr	450 kg/hr	30.0
ii)	Boiler	900 Kg/Hr	1000 kg/hr	30.0
iii)	DG SET	2000 KVA	2000 KVA	30.0
iv)	DG SET	2000 KVA	2000 KVA	30.0
v)	DG SET	0	500 KVA	30.0

13. Details of Hazardous waste and its disposal

Sr. No.	Hazardous Waste Category	Quantity (After expansion)	Disposal
i)	ETP sludge	95 Tons	TSDF
ii)	Used/spent oil	6 Tons	PPCB approved authorized recycler
iii)	Oil/grease scheming residue	3 Tons	PPCB approved authorized recycler
iv)	Process waste/residue/sludge	100 Tons	TSDF
v)	Distillation sludge	130 Tons	TSDF
vi)	Contaminated cotton waste/liner	15 Tons	TSDF
vii)	Filler residue	30 Tons	TSDF
viii)	Discarded containers/Bags, barrel liners	197920 Nos	PPCB approved party
ix)	MEE Salt	51 Tons	TSDF

14. Solid waste generation and its disposal

i) Non - hazardous solid waste: recyclable waste will be sold to scrap vendor, while biodegradable- canteen waste and STP sludge will be vermi composted and will be used as manure.

ii) The dry salt will be disposed off as land filling through TSDF.

iii) Other industrial waste like process waste/ residue/paint sludge will be stored in designated places in factory premises and disposed off through TSDF as a land filling.

15. Energy Requirements — Punjab State Power Corporation Ltd (PSPCL) will supply power. The peak power demand will be 4200 KVA. The DG set (2 nos. x 2000KVA, 1no x 500 KVA) will be installed and will be used in case of power failure

16. Revised Environment Management Plan

S. No.	Designation	Proposed responsibility
1.	Works Manager	Overall responsible for Environmental Issues of the plant, Environmental policy, and directions
2.	EHS Manager	Overall responsibility for environmental management and decision making for all environmental issues

3.	EHS Officer	Overall, in-charge of operation of environmental management facilities Ensure environmental monitoring as per appropriate procedures Ensure correct records of generation, handling, storage, transportation, and disposal of solid hazardous wastes. Ensuring legal compliance by properly undertaking activities as laid down by various regulatory agencies from time to time and interacting with the same and arranging awareness programme among the workers

The budgetary requirement for the implementation of EMP with Capital cost of Rs. 4.51 crores and recurring cost of Rs. 15.41 lacs as under: -

Sr. No	Title	Capital Cost Rs. Lakh	Recurring Cost Rs. INR
1.	Ambient air monitoring of parameters specified by PPCB consents from time to time (PM10, PM2.5, SO2, NOx)	--	48000 per Annum
2.	Stack monitoring of parameters specified by PPCB consents from time to time. The Capital cost includes cost of providing adequate height of the stack, ladder and platform, dust collectors (inbuilt with silos)	135	72,000 per Annum
3.	Maintaining a record of water consumption and wastewater generation. The capital cost includes Civil Electrical, Mechanical, Piping and Erection Commissioning cost of proposed ETP, STP, RO & MEE, Capital cost also includes rain water and storm water management & Solvent Recovery Plant.	250	-
4.	Monitoring of industrial effluent of parameters	-	30000 per Annum
5.	Analysis of sewage water	-	30000 per Annum
6.	Monitoring of groundwater	-	9000 per annum
7.	Ambient Noise level	50	2000 per Annum
8.	Maintaining record of Hazardous Waste Generation, Storage, and Disposal	--	2,50,000 per Annum
9.	Hazardous waste (ETP Sludge) analysis	10	10,00,000 per annum
10	Greenbelt development	6.24	1,00,000 per annum

17.	Other project approvals

	i)	CTO from PPCB	Plant is currently under construction phase and CTE has been obtained from PPCB
	ii)	Authorization for Hazardous Waste	Authorization for Hazardous waste has been obtained from NIMBUA GREENFIELD (PUNJAB) LIMITED vide letter no. Nimbua/ACs/Gen 2016-2017/12273 dated 1st Aug 2016
	iii)	CGWA Approval	At present, there is no borewell at the site. The permission letter of PSIC for existing water supply of 370 KLD and proposed of 522 KLD has been submitted.
	iv)	Certified compliance report from RO, MoEF&CC	Compliance Status of Environmental Clearance issued by SEIAA no. SEIAA/3723 dated 05.12.2016 Submitted revalidated compliance report issued by RO MoEF&CC Chandigarh on 04.12.2019 to SEAC.

18. Revised CER Activities

The project proponent is committed towards the Corporate Environmental responsibility (CER). Total cost of the project is 370 crore so as per CER rule 0.75% of project shall be given in CER activity and the cost is 2.77 crore.
Corporate Environmental Responsibility (CER) Activities with Budgetary Provision are as under:

S. No.	Proposed Activity	Amount (Rs. In Lakhs per year)					
		1st year	2nd year	3rd year	4th year	5th year	Total Amount
1	Educational Activities	20	-	20	10	20	70
2	Medical & Health Facilities	10	10	10	15	10	55
3	Safe Drinking Water	5	4	4	3	4	20
4	Infrastructure Facilities	15	-	20	25	20	80
5	Tree Plantation	4	-	1	1	-	6
6	Rain Water Harvesting/Recharge	-	40	2	2	2	46
*	Total Amount per Year	54	54	57	56	56	277

19. **Greenbelt Development plan:**

Greenbelt development will be carried out by planting suitable local species over an area of 46920m^2 (i.e. 33% of total plot area). As per standard ToR, no. of trees should not be less than 1500 trees /ha therefore, proposed area will have a total plantation of 7000 trees. Approximately 4500 trees have already been planted on the site boundary. A thick greenbelt has been proposed around the project boundary on an area of approximately 41354 m^2 and approximately 1700 trees will be planted. On the remaining area (along internal roads) of 5336 m^2 approximately 800 trees are proposed.

Greenbelt around the project site will be developed with in initial three years and detailed budget break-up is given in table below.

	<table><tr><td rowspan="2">Sr. No</td><td rowspan="2">Work or Activity</td><td>1st year</td><td>2nd year</td><td>3rd year</td><td colspan="2">Budget (INR)</td></tr><tr><td>Capital cost</td><td>Recurring cost/year (considering 20% mortality rate)</td></tr><tr><td></td><td>Saplings Required</td><td>833</td><td>833</td><td>833</td><td>6,24,750</td><td>1,00,000</td></tr><tr><td colspan="2">Amount</td><td>2,08,250</td><td>2,08,250</td><td>2,08,250</td><td></td><td></td></tr><tr><td colspan="5">Total Budget</td><td>6,24,750</td><td>1,00,000</td></tr></table> Note: Plantation at the periphery and internal rod side of the Project will be carried up to Three year. Totally 2500 saplings will be planted (Approx. Cost @ Rs. 250 per plant including labour cost)
20	**Rain water Harvesting Details:** The project proponent has proposed to store the 1999 m^3 runoff generated from the rooftop & the same will be reutilized @ 25KLD back into the process during rainy season. A rain water storage tank of capacity 1000KL has already been constructed.

Condition to be imposed in the Environmental Clearance

I. Statutory compliance:

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

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

iii. The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report. (in case of the presence of schedule-I species in the study area)

iv. The project proponent shall obtain Consent to Establish/ Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water

(Prevention & Control of Pollution) Act, 1974 from the concerned Punjab Pollution Control Board.

v. The project proponent shall obtain the necessary permission from the Central Ground Water Authority/competent authority concerned, in case of drawl of ground water and also in case of drawl of surface water required for the project. In case of non- grant of permission by CGWA for ground water abstraction, the industry shall make alternative arrangements by using surface water or treated city sewage effluent after obtaining permission from competent authority.

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

vii. The Company shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 as amended time to time. All transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA), 1989.

viii. 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.

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

II. Air quality monitoring and preservation

i. The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.

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

iii. The project proponent shall install a system to carryout Manual Ambient Air Quality monitoring for common/criterion 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. To control source and the fugitive emissions, suitable pollution control devices shall be installed to meet the prescribed norms and/or the NAAQS. Sulphur content should not exceed 0.5% in the coal for use in coal fired boilers to control particulate emissions within permissible limits (as applicable). The gaseous emissions shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines.

v. Storage of raw materials, coal etc shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.

vi. National Emission Standards for Organic Chemicals Manufacturing Industry issued by the Ministry vide G.S.R. 608(E) dated 21st July, 2010 and amended from time to time shall be forwarded.

vii. The National Ambient Air Quality Emission Standard issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be complied with.

III. Water quality monitoring and preservation

i. The project proponent provides online continuous monitoring of effluent, the unit shall install web camera with night version capability and flow meters channel/drain carrying effluent within the premises (applicable in case of the projects achieving ZLD).

ii. As already committed by the project proponent, Zero Liquid Discharge shall be ensured and no waste/treated water shall be discharged outside the premises (applicable in case of the projects achieving ZLD).

iii. The effluent discharge shall conform to the standards prescribed under the Environment (Protection) Rules, 1986, or as specified by the State Pollution Control Board while granting Consent under the Air/Water Act, whichever is more stringent.

iv. Total fresh water requirement shall not exceed the proposed quantity or as specified by the Committee. Prior permission shall be obtained from the concerned regulatory authority/CGWA in this regard.

v. Process effluent/any wastewater shall not be allowed to mix with storm water. The storm water from the premises shall be collected and discharged through a separate conveyance system.

vi. The Company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and utilize the same for different industrial operations within the plant.

vii. The DG sets shall be equipped with suitable pollution control devices and the adequate stack height so that the emissions are in conformity with the extant regulations and the guidelines in this regard.

IV. Noise monitoring and prevention

i. Acoustic enclosure shall be provided to DG set for controlling the noise pollution

ii. The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation.

iii. The ambient noise levels should conform to the standards prescribed under 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 energy sources for lighting purposes shall preferably be LED based.

VI. Waste management

i. Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arresters shall be provided on tank from and the solvent transfer through pumps.

ii. Process organic residue and spent carbon, if any, shall be sent to cement industries. ETP sludge, process inorganic & evaporation salt shall be disposed off to the TSDF.

iii. The company shall undertake waste minimization measures as below:-

a. Metering and control of quantities of active ingredients to minimize waste.
b. Reuse of by-products from the process of raw materials or as raw material substitutes in other processes.
c. Use of automated filling to minimize spillage.
d. Use of Close Feed system into batch reactors.
e. Venting equipment through vapour recovery system.
f. Use of high pressure hoses for equipment clearing to reduce wastewater generation.

VII. Green Belt

i) The green belt of 5-10 m width shall be developed in more than 33% of the total project area, mainly along the plant periphery, in download wind direction, and

along road sides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department.

VIII. Safety, Public hearing and Human health issues

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

ii. The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire fighting system shall be as per the norms.

iii. The project proponent shall provide Personal Protection Equipment (PPE) as per the norms of Factory Act.

iv. Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre- employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.

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

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

vii. There shall be adequate space inside the plant premises earmarked for parking of vehicles for raw materials and finished products, and no parking to be allowed outside on public places.

IX. Corporate Environment Responsibility

i. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility. The project proponent will spend Rs.2.77 crores towards the Corporate Environmental responsibility (CER) as per following details:

S. No.	Proposed Activity	Amount (Rs. In Lakhs per year)					
		1st year	2nd year	3rd year	4th year	5th year	Total Amount
1	Educational Activities	20	-	20	10	20	70

2	Medical & Health Facilities	10	10	10	15	10	55
3	Safe Drinking Water	5	4	4	3	4	20
4	Infrastructure Facilities	15	-	20	25	20	80
5	Tree Plantation	4	-	1	1	-	6
6	Rain Water Harvesting/Recharge	-	40	2	2	2	46
*	Total Amount per Year	54	54	57	56	56	277

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

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

iv. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by the competent authority. The budgetary requirement for the implementation of EMP with Capital cost of Rs. 4.51 crores and recurring cost of Rs. 15.41 lacs as under: -

Sr. No	Title	Capital Cost Rs. Lakh	Recurring Cost Rs. INR
1.	Ambient air monitoring of parameters specified by PPCB consents from time to time (PM10, PM2.5, SO2, NOx)	--	48000 per Annum
2.	Stack monitoring of parameters specified by UPPCB consents from time to time. The Capital cost includes cost of providing adequate height of the stack, ladder and platform, dust collectors (inbuilt with silos)	135	72,000 per Annum
3.	Maintaining a record of water consumption and wastewater generation. The capital cost includes Civil Electrical, Mechanical, Piping and Erection Commissioning cost of proposed ETP, STP, RO &	250	-

	MEE, Capital cost also includes rain water and storm water management & Solvent Recovery Plant.		
4.	Monitoring of industrial effluent of parameters	-	30000 per Annum
5.	Analysis of sewage water	-	30000 per Annum
6.	Monitoring of groundwater	-	9000 per annum
7.	Ambient Noise level	50	2000 per Annum
8.	Maintaining record of Hazardous Waste Generation, Storage, and Disposal	--	2,50,000 per Annum
9.	Hazardous waste (ETP Sludge) analysis	10	10,00,000 per annum
10	Greenbelt development	6.24	1,00,000 per annum
	Total	451	15,41,

The Year-wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year-wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six-Monthly Compliance Report.

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

X. Validity

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

XI. Miscellaneous

i. The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition, this shall also be displayed in the project proponent's website permanently.

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

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

iv. The project proponent shall monitor the criteria pollutants level namely; PM10, 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/project 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 Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.

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

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

xv. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.

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

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

i. The project proponent shall install 24x7 continuous 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.

ii. 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.

iii. The project proponent shall construct rain water tank of capacity 1000KL to store rain water run off generated from the roof top during monsoon season within its premises.

iv. 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.

v. 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.

vi. The vehicles to be used for loading/unloading purposes shall not be parked along the roadside to avoid the traffic congestion and dedicated parking place to be provided for the same.

vii. The project proponent shall adopt green technologies to conserve water & energy.

Item No.190.07: Application for obtaining Environmental clearance under EIA notification dated 14.09.2006 for expansion of steel manufacturing unit by replacement/addition of induction furnaces Village- Nasrali, Grain Market, Mandi Gobindgarh, District- Fatehgarh Sahib, Punjab by M/s Gian Castings (Proposal no SIA/PB/IND/45770/2018)

SEAC observed that:

The project proponent submitted an application for obtaining Environmental Clearance under EIA Notification, 2006 for expansion of steel manufacturing unit by replacing the existing induction furnace of capacity 6 TPH with 2 no's of Induction Furnaces of capacity 10 TPH, 1 Nos 15 TPH and a rolling mill in Village Nasrali, opp. 66 K.V. Sub-Station, Grain Market, Mandi Gobindgarh, District- Fatehgarh Sahib. The project is covered under category 3(a) Metallurgical industries (Ferrous & Non- Ferrous project) of the Schedule appended to the said notification.

1.0 Background

1.1 Deliberations during 166th meeting of SEAC held on 24.05.2018

The case was considered by the SEAC in its 166th meeting held on 24.05.2018. The details of the capacity of the furnaces and total production at different stages observed as under:

Year of Establish-ment	Capacity of Furnace	Total Production	Whether covered under EIA Notification or Not
1993	3 TPH	40 TPD	The industry does not cover under EIA Notification S.O. 3067 (E) dated 01.12.2009 because the production capacity of the industry was <30,000 TPA.
2013	6 TPH	78 TPD	The industry does not cover under EIA Notification S.O. 3067 (E) dated 01.12.2009 because the production capacity of the industry was <30,000 TPA.

SEAC observed that besides TORs already being specified in such projects, following additional point are required to be taken care of while preparing EIA report.

To a query of SEAC regarding land use pattern as per the master plan of Mandi Gobindgarh, the project proponent replied that the project falls under industrial zone

as per the master plan of Mandi Gobindgarh, Punjab. There will be no change in the

land use. It is an expansion project; no additional land has been acquired.

Scope of the traffic study & analysis shall include all the new projects and existing projects coming up in the area/ vicinity simultaneously with the proposed project under consideration.

After detailed deliberations, it was decided to categorize the project into B-1 category and that the project proponent should submit an Environment impact Assessment Study Report. After further deliberations on the proposed Terms of Reference (TOR) suggested by the project proponent, the Committee approved the Terms of Reference for Environmental Impact Assessment Study of the proposed project as conditions of TOR and recommended to SEIAA to issue TORs.

1.2 Deliberations during 133rd meeting of SEIAA held on 06.07.2018

The case was considered by SEIAA in its 133rd meeting held on 06.07.2018, which was attended by the following on behalf of project proponent:

1. Sh. Mohinder Gupta, Director of Promoter Company
2. Sh. Sumitava Dutta, FAE, M/s CPTL Chandigarh, Environmental Consultant of the Company.

The SEIAA looked into the details of the case and was satisfied with the same. Therefore, the authority decided to accept the recommendation of SEAC. In compliance with the said decision, TORs were issued to the project proponent vide letter no. SEIAA/2018/868 dated 16.07.2018. The public hearing was conducted by PPCB on 06.06.2019 and the proceedings have been submitted.

2.0 Present Case

The project proponent has now submitted the EIA report. The project proponent has also submitted EC processing fee of Rs. 1,84,200/- through NEFT no. SDL64065416 dated 11.06.2020. EIA report was scrutinized and EDS was raised on 11.05.2020 & 22.06.20, to which project proponent replied online on 09.06.2020 & 23.06.2020 respectively. The said replies were taken on record. Thereafter, the application for obtaining EC was accepted online on 23.06.2020.

3.0 Deliberations during the 190th meeting of SEAC held on 27.06.2020

The case was placed in the 190th meeting of SEAC held on 27.06.2020 and was attended by the following through Video Conference:

i) Sh. Pardeep Goyal, CEO of the promoter company.
ii) Sh. Sital Singh, EIA coordinator, M/s CPTL, Mohali, Environmental Consultant of the promoter company.

Environmental Consultant presented the reply to the earlier observations wherein SEAC

was not satisfied with the various details like permission for Ground water Abstraction for industrial use, Environment Management Plan to be revised w.r.t revised APCD cost & CER to be revised respectively and further, raised following additional queries to the project proponent to which he replied as under:

S. No.	Query	Reply Submitted
1.	APCD to be provided for both induction furnaces and rolling mill. Project cost to be revised based on cost of APCD	The APCD in the form of Pulse-jet bag filter with offline cleaning technology will be provided to the proposed Induction Furnace of capacity 10 TPH and 15 TPH. Further, the design for the above proposed APCD is yet to be taken from Punjab State Council for Science and Technology, Chandigarh. For existing furnace capacity i.e. 6 TPH design has been implemented and as per recommendations of Punjab State Council for Science and Technology, Chandigarh Adequacy certificate from PSCST, Chandigarh has been submitted. Continuous Casting Machine will be provided and direct rolling will be done. After passing through Continuous Casting Machine and there will be no requirement of re-heating furnace in the unit. Thus, there will be no requirement of APCD for rolling mill. Further, an online monitoring system will be provided for sampling at the inlet/outlet of APCD. Undertaking to this regard has been submitted. Submitted Revised Environment Management Plan with a revised cost of APCD as Rs. 81 lacs.
2.	Agreement with M.C. for use of treated waste water for industrial purposes as the unit is located in the notified zone.	Agreement with Punjab Water Supply & Sewerage Board, Mandi Gobindgarh, for 29 KLD quantity of treated waste water has been obtained & submitted.
3.	Trees should be provided in green area as per the MoEF norms (1500 trees per hectare) and no shrubs should be taken into	Undertaking regarding the provision of trees in the green area was submitted. As per the undertaking submitted the details of the trees proposed in the project site is given as under: 1) Existing trees: 200 nos

	this account.	2) additional trees: 414 nos 3) Total trees: 614 nos A copy of the layout plan mentioning the name of the species to the planted was submitted and taken on record.
4.	Rain water utilization proposal during monsoons.	One rain water storage tank of capacity 50 KL of tank size 5 m x 5 m x 5 m will be provided to store the rain water fun off generated from the roof top during monsoon season. Rain water proposal alongwith layout plan showing the location of the storage tank and its design was submitted which was taken on record by SEAC.
5.	Revised CER activities alongwith NOC from school Principal	Revised CER activities plan for amount Rs. 18.50 lacs were submitted which was taken on record by SEAC.

SEAC decided that the project proponent has provided adequate, satisfactory clarifications to the above said observations raised by it.

4.0 Recommendations of SEAC

After detailed deliberations, SEAC decided to award **'Silver Grading'** to the project proposal and forward the application to SEIAA with the recommendations to grant Environmental Clearance for expansion of its existing unit for the proposed capacity of induction furnaces (1x10 TPH, 1X15TPH) & a rolling mill located at Village- Nasrali, Grain Market, Mandi Gobindgarh, District- Fatehgarh Sahib, Punjab by M/s. Gian Casting as per the details mentioned in Form 2, EMP & subsequent presentation /clarifications made by the project proponent and his consultant with the following salient features and conditions as under:-

Salient features of the project:

S.No.	Item	Details
1.	Online Proposal No.	SIA/PB/IND/45770/2018
2.	TOR Letter no.	SEIAA/2018/868 dated 16.07.2018
3.	Name and Location of the project	M/s Gian Castings Pvt. Ltd. , Village- Nasrali, Grain market, Mandi Gobindgarh, District- Fatehgarh Sahib, Punjab
4.	Consent to operate (Air/water)	**Under the Water (Prevention & Control of Pollution) Act, 1974**

<table>
<tr><td></td><td></td><td>Obtained vide Letter No. CTOW/Varied/FGS/2019/8856442 dated 24.02.2019 which is valid upto 30.09.2023.
Under the Air (Prevention & Control of Pollution) Act, 1981
Obtained vide Letter No. CTOA/Varied/FGS/2019/11157377 dated 25.10.2019 which is valid upto 30.09.2023.</td></tr>
<tr><td>5.</td><td>Latitude & Longitude</td><td>Corner coordinates:
<table><tr><th>Point</th><th>Latitude</th><th>Longitude</th></tr><tr><td>A</td><td>30^{0}40’44.44”N</td><td>76^{0}17’41.65”E</td></tr><tr><td>B</td><td>30^{0}40’41.42”N</td><td>76^{0}17’38.17”E,</td></tr><tr><td>C</td><td>30^{0}40’40.19”N</td><td>76^{0}17’31.79”E</td></tr><tr><td>D</td><td>30^{0}40’43.35”N</td><td>76^{0}17’43.88”E</td></tr></table></td></tr>
<tr><td>6.</td><td>Furnace Details</td><td><table><tr><td>Capacity of IF</td><td>Existing</td><td>Proposed</td><td>Total</td></tr><tr><td>Induction Furnace</td><td>1x 6 TPH (To be replaced)</td><td>1x10 TPH, 1X15TPH IF & a rolling mill</td><td>1x10 TPH, 1X15TPH IF & a rolling mill</td></tr></table></td></tr>
<tr><td>7.</td><td>Raw Material details</td><td><table><tr><td>Raw Material</td><td>Existing (TPA)</td><td>Additional (TPA)</td><td>Total (TPA)</td></tr><tr><td>MS Scrap</td><td>29,880</td><td>85,238</td><td>1,15,118</td></tr><tr><td>Ferro Alloys</td><td>250</td><td>1278</td><td>1528</td></tr></table></td></tr>
<tr><td>8.</td><td>Product Details</td><td><table><tr><td>Product Name</td><td>Existing (TPA)</td><td>Proposed (TPA)</td><td>Total (TPA)</td></tr><tr><td>Steel Ingot/Billets</td><td>27,300</td><td>77,700</td><td>1,05,000</td></tr><tr><td>Rounds, Square, TMT/MS Bars, Angles, Channel, Flats</td><td>Nil</td><td>80,000</td><td>80,000</td></tr></table></td></tr>
<tr><td>9.</td><td>Project/activity covered under item of scheduled to the EIA Notification, 14.09.2006.</td><td>The project category is B1 under activity 3(a) as per EIA Notification, 2006.</td></tr>
<tr><td>10.</td><td>Cost of the project</td><td>Rs. 18.42 Crores
(Vide EDS reply dated 09.06.2020)</td></tr>
<tr><td>11.</td><td>Fee details</td><td>An amount of Rs. 1,84,200/- has been submitted on</td></tr>
</table>

		dated 11.06.2020 through NEFT NO.- SDL64065416.
13.	If the project involves diversion of forest land. If yes, a. Extent of the forest land. b. Status of the forest clearance.	As per form 2, Project does not involve any diversion of forest land.
14.	Classification/Land use pattern as per Master Plan	Industrial zone as per Master plan of Gobindgarh.

15.	(a) In case (s) where land has already been purchased/acquired: Proof of ownership of land (b) In case where land is yet to be purchased/acquired: 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)	Submitted.

16. Total Plot area, Built- up Area and Green area

The details of project are as under:

Description	Area (Sqm.)
Total Area	12128.25
Covered Area	2774.61
Green Area	4095.26
Road Area	3478.43
Parking Area	434.94
Open Area	1344.98

17. Breakup of Water Requirements & source in Operation Phase (Summer, Rainy, Winter):

Total water requirement for the project after expansion will be 35 KLD; Break-up of the same is given below:

S. No.	Description	Existing water demand (KLD)	Water demand after expansion (KLD)
1.	Cooling water demand	4.0	29.0

	2.	Domestic water demand	3.0	6.0
	Total		**7.0**	**35.0**

18.	Disposal Arrangement of Waste water in Operation Phase	**Details**	**Quantity (After expansion)**	**Remarks**
		Industrial Effluent	-	-
		Domestic effluent	4.8 KLD	Will be treated in STP of 10KLD capacity
19.	CGWA Approval	Application has been submitted vide application No. 21-4/5003/PB/IND/2019 dated 28.03.2019 for 8.5 KLD water requirement only, whereas, actual requirement is of 35 KLD. As the project falls under Notified Block, therefore, an application to DAC, Fatehgarh Sahib has been submitted on dated 08.06.2020 for 35 KLD ground/Fresh water requirement. Further, Agreement with Punjab Water Supply & Sewerage Board, Mandi Gobindgarh, for supply of 29 KLD quantity of treated waste water has been obtained & submitted dated 27.06.2020.			
20.	Rain water recharging detail	Submitted revised RWH proposal with following details, a pond of Bhadla Neecha village is adopted. In the pond, three filling will be done and total 43070m^3 water will be recharged. All the waste water of nearby Bhadla Neecha village which will be directed towards the village ponds will be first treated in trenches through CSIR-NEERI's Phytorid waste water treatment technology and overflow water will be discharged into the pond. NOC for RWH from concerned Panchyat has been obtained. Further, One rain water storage tank of capacity 50 KL of tank size 5 m x 5 m x 5 m will be provided to store the rain water fun off generated from the roof top during monsoon season. Rain water proposal alongwith layout plan showing the location of storage tank and its design has been submitted.			
21.	Solid waste generation and its disposal	20 TPD of slag will be generated and the same after recovering of iron will be lifted by M/s Vipan Industries. An agreement has been made between M/s Vipan Industries and M/s Gian castings Pvt. Ltd. for lifting of slag.			
22.	Hazardous Waste &E-	The details of the hazardous waste generated is given below:			

<table>
<tr><td></td><td>Waste</td><td>
<table>
<tr><th>Sr. No.</th><th>Hazardous Waste Category</th><th>Quantity (After expansion)</th><th>Disposal</th></tr>
<tr><td>i)</td><td>Cat.35.1 – Exhaust air or Gas cleaning Residue</td><td>301.0 TPA</td><td>Sold to M/s Madhav Alloys, Fatehgarh Sahib, for recovery of metal for which agreement has been made.</td></tr>
<tr><td>ii)</td><td>Cat.5.1 – Used Oil</td><td>0.02 KL per annum</td><td>Shall be reprocessed through authorized recyclers of waste oil or used as lubricant within the industry</td></tr>
</table>
</td></tr>
<tr><td>23.</td><td>Energy Requirements& Savings</td><td>The details of the energy is given below:
<table>
<tr><th>S. No.</th><th>Description</th><th>Existing</th><th>After expansion</th></tr>
<tr><td>1.</td><td>Power load</td><td>3900 KW</td><td>10,000 KW</td></tr>
<tr><td>2.</td><td>D.G sets</td><td>82.5kVA</td><td>82.5 kVA & 200 kVA</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>24.</td><td>Revised Environment Management Plan along with Budgetary breakup phase wise and responsibility to implement</td><td>
<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>Revised Air Pollution Control cost (Installation of APCD)</td><td>81.0</td><td>5.0</td></tr>
<tr><td>3.</td><td>Water Pollution Control/ septic tank upgradation</td><td>10.0</td><td>0.5</td></tr>
<tr><td>4.</td><td>Noise Pollution Control (Including cost of Landscaping, Green Belt)</td><td>5.0</td><td>2.5</td></tr>
<tr><td>5.</td><td>Solid Waste Management</td><td>5.0</td><td>0.5</td></tr>
</table>
</td></tr>
</table>

		6.	Environment Monitoring and Management	5.0	0.5
		7.	Occupational Health, Safety and Risk Management	5.0	0.5
		8.	RWH	5.0	0.5
		9.	Miscellaneous	5.0	---
			Total	126.0	10.0

25. CER activities along with budgetary break up and responsibility to implement

Mr. Mohinder Gupta of M/s Gian Castings Pvt. Ltd. will be responsible for the implementation of CER (Corporate Environment Responsibility). Rs.18.50 lakhs (@ 1 % of total cost) will be spent in Govt. Girls Smart Senior Secondary School, Mandi Gobingarh, Distt. Fatehgarh Sahib on the following activities:

S.No.	**Activity**	**Environment Aspect**	**Cost (Rs. Lac)**	**Timeline**	
				Start	End
1.	Repair & of maintenance boundary wall	Infrastructure	8.0	Jan., 2021	June, 2021
2.	Science Lab Modification	Infrastructure	1.0	Mar., 2021	June, 2021
3.	Physics Lab Modification	Infrastructure	0.50	Mar., 2021	June, 2021
4.	Biology Lab Modification	Infrastructure	0.50	Mar., 2021	June, 2021
5.	Chemistry Lab Modification	Infrastructure	1.0	Mar.,2021	June, 2021
6.	Sanitary Pad Disposal Machine- 3 Nos.	Health and Hygiene	0.50	Jan., 2021	-
7.	120 Lt. water cooler with stabilizer- 3Nos.	Infrastructure	1.50	Apr. 2021	
8.	Fibre Rain shed (MDM + Smart section)	Infrastructure	2.00	Jan., 2021	June, 2021
9.	Fibre Rain shed (Stage)	Infrastructure	1.50	Jan., 2021	June, 2021

10.	Fibre Rain shed (Stairs of main building)	Infrastructure	1.00	Jan., 2021	June, 2021
11.	Fibre Rain shed (Front gate)	Infrastructure	1.00	Jan., 2021	June, 2021
TOTAL			**18.50**		

Conditions to be imposed in Environmental Clearance

I. Statutory compliance:

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

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

iii. The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report. (in case of the presence of schedule-I species in the study area)

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

v. The project proponent shall obtain the necessary permission from the Central Ground Water Authority/competent authority concerned, in case of drawl of ground water and also in case of drawl of surface water required for the project. In case of non- grant of permission by CGWA for ground water abstraction, the industry shall make alternative arrangements by using surface water or treated city sewage effluent after obtaining permission from competent authority. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.

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

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

II. Air quality monitoring and preservation

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

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

iii. The project proponent shall install a Manual system to carryout Continuous Ambient Air Quality monitoring for parameters relevant to the main pollutants released (e.g. 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 Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.

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

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

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

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

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

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

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

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

III. Water quality monitoring and preservation

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

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

iii. Sewage Treatment Plant of capacity 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 village pond having volume @ 28713 m^3 located at Village Bhadla Neecha shall be adopted for desilting to recharge the water @ 43070m3/annum (50% of total recharge 86139 m3/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 in 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. 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 equal to at least 33% (4095.36 sqm) of the plant area with tree species as mentioned in reply to SEAC observation in its 190th meeting in accordance with CPCB guidelines. Total 614 trees to be planted and there shall not be any shrub. The greenbelt shall inter alia cover the entire

periphery of the plant. The industry shall ensure that most of the periphery shall be provided with green belt by removing the unwanted/non-productive structures already provided in the existing project near the boundary wall.

VIII. Public hearing and Human health issues

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

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

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

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

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. Corporate Environment Responsibility

i. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility. The project proponent shall adhere to the commitments made in the revised proposal for CER activities for spending atleast minimum amount of Rs.18.50 Lacs towards following CER activities:

S.No.	Activity	Environment Aspect	Cost (Rs. Lac)	Timeline	
				Start	End
1.	Repair & of maintenance boundary wall	Infrastructure	8.0	Jan., 2021	June, 2021
2.	Science Lab Modification	Infrastructure	1.0	Mar., 2021	June, 2021
3.	Physics Lab Modification	Infrastructure	0.50	Mar., 2021	June, 2021

4.	Biology Lab Modification	Infrastructure	0.50	Mar., 2021	June, 2021
5.	Chemistry Lab Modification	Infrastructure	1.0	Mar.,2021	June, 2021
6.	Sanitary Pad Disposal Machine- 3 Nos.	Health and Hygiene	0.50	Jan., 2021	-
7.	120 Lt. water cooler with stabilizer- 3Nos.	Infrastructure	1.50	Apr. 2021	
8.	Fibre Rain shed (MDM + Smart section)	Infrastructure	2.00	Jan., 2021	June, 2021
9.	Fibre Rain shed (Stage)	Infrastructure	1.50	Jan., 2021	June, 2021
10.	Fibre Rain shed (Stairs of main building)	Infrastructure	1.00	Jan., 2021	June, 2021
11.	Fibre Rain shed (Front gate)	Infrastructure	1.00	Jan., 2021	June, 2021
TOTAL			**18.50**		

However, CER activities shall strictly be in accordance with the activities listed out in the OM dated 01.05.2018 and as per the proposal submitted by the project proponent. The amount to be spent on CER activities shall be proportionate to the amount spent on project & such activities shall run parallel to the project execution. All the activities must be completed with the completion of the project.

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

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

iv. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The Year-wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. The project proponent shall spend a minimum amount of Rs 126 Lacs towards the capital cost and Rs 10 Lacs/annum towards recurring cost including the environmental monitoring cost for the implementation of revised EMP with revised APCD cost (Submitted vide letter dated 27.06.2020) as per following details:

S.No	Title	Capital Cost Rs. Lakh	Recurring Cost Rs. Lakh
1.	Pollution Control during construction stage	5.0	---
2.	Revised Air Pollution Control cost (Installation of APCD)	81.0	5.0
3.	Water Pollution Control/ septic tank upgradation	10.0	0.5
4.	Noise Pollution Control (Including cost of Landscaping, Green Belt)	5.0	2.5
5.	Solid Waste Management	5.0	0.5
6.	Environment Monitoring and Management	5.0	0.5
7.	Occupational Health, Safety and Risk Management	5.0	0.5
8.	RWH	5.0	0.5
9.	Miscellaneous	5.0	---
	Total	126.0	10.0

The entire cost of the environmental management plan will continue to be borne by the project proponent. Year-wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six-Monthly Compliance Report.

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

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

X. Validity

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

XI. Miscellaneous

i. The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition, this shall also be displayed in the project proponent's website permanently.

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

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

iv. The project proponent shall monitor the criteria pollutants level namely; PM10, 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 EIA /EMP report, commitment made during Public Hearing and also that during their presentation to the State Expert Appraisal Committee and SEIAA.

x. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).

xi. Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.

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

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

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

xv. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.

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

XII. Additional Specific Conditions decided during the meeting of SEAC

i. The project proponent shall install Side Suction Hood followed by Pulse-Jet Bag filter with offline cleaning technology as APCD for two Induction Furnaces of capacity 1x10TPH & 1x15TPH as per the amount indicated in the revised Environment Management Plan.

ii. The project proponent shall install 24x7 continuous online SPM monitoring system at the inlet & outlet of APCD to monitor and achieve the suspended particulate matter (SPM) emission standards as prescribed by CPCB/SPCB.

iii. The project proponent shall submit monthly summary report of continuous stack emission (inclusive of data of continuous SPM monitoring at inlet & outlet of APCD before stack) and air quality monitoring and results of manual stack monitoring and manual monitoring of air quality/ fugitive emissions to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.

iv. The project proponent shall obtain the permission from District Advisory Committee (DAC) for the abstraction of ground water from its existing borewell to meet with the requirement of domestic and green areas.

v. The project proponent will meet the water requirement for industrial purpose @ 29 KLD from the treated waste water from STP of MC, Mandi Gobindgarh as proposed by him.

vi. The project proponent shall construct a storage tank of capacity 50 KL to store rain water run off generated from the roof top during monsoon season within its premises and reutilize the same for cooling purposes.

vii. The project proponent shall minimize the water consumption in the steel plant complex by segregation of used water, practicing cascade use and by recycling treated water.

viii. The project proponent shall provide STP of adequate capacity for treatment of waste water & reutilization of the treated water for non- portable use.

ix. The project proponent shall reuse of cooling tower blowdown, simultaneously ensuring the standards prescribed for such purge waters. If required, necessary arrangements shall be made to keep this waste stream within the parameters required for reuse.

x. 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.

xi. 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.

xii. 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.

xiii. 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.

xiv. 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.

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

xvi. 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.