

Proceedings of 167th meeting of State Environment Impact Assessment Authority (SEIAA) held on 31.07.2020 at 10:30 AM in the Conference Hall No -2, 1st Floor, MGSIPA Complex, Sector- 26, Chandigarh through Video Conference.

In the meeting, the following members were present: -

- 1) Sh. Kuldip Singh, IFS (Retd.),
Chairman, SEIAA
- 2) Sh. Charandeep Singh, PCS
Member Secretary, SEIAA
- 3) Dr. Sunil Mittal,
Member, SEIAA

Item No. 01: Confirmation of the minutes of 164th and 166th meeting of State Environment Impact Assessment Authority (SEIAA) held on 12.06.2020 & 26.06.2020 respectively.

SEIAA was apprised that the proceedings of the 164th and 166th meeting of SEIAA held on 12.06.2020 & 26.06.2020 respectively were circulated vide email dated 08.07.2020 and 06.07.2020 respectively. No observation was received from any member of SEIAA. As such, SEIAA confirmed the said proceedings.

Item No. 02: Action taken on the proceedings of 163rd, 164th and 165th & 166th meeting of SEIAA held on 29.05.2020, 12.06.2020, 19.06.2020 and 26.06.2020, respectively.

SEIAA was apprised that action was taken on the proceedings of 163rd, 164th and 165th & 166th meeting of SEIAA held on 29.05.2020, 12.06.2020, 19.06.2020 and 26.06.2020 have been taken. SEIAA perused the Action taken report and decided that follow up items be placed in the next meeting of SEIAA.

Item No. 167.01: 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)

SEIAA 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)		<p>(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.</p> <p>(ii) Biodegradable waste will be treated in an organic waste converter and will be used as a manure for horticulture development.</p> <p>(iii) MSW including horticulture waste will be handled as per the Municipal Solid Waste Management & Handling Rules, 2016</p>	
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		<p>(i) Chimney on DG sets</p> <p>(ii) Generators will be placed either in acoustic chambers or a canopy.</p>	
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	167 th 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 Project Proponent as under: -
- i) It shall not carry out any further construction activity at its project site namely "Orchard County" Village Sante Majra, Kharar - Landran Road, Kharar, District

Sahibzada Ajit Singh Nagar till it obtains environmental clearance under EIA notification dated 14/9/2006.

- ii) It shall neither execute any sale deed within the project area nor create any third-party interest in the project till it obtains the environmental clearance under EIA Notification dated 14.09.2006.
- b) SEIAA be requested to ask PPCB to provide the details of the legal action taken against the responsible persons of the project as per the Clause 3 of MoEF & CC Notification dated 14.03.2017 (as amended on 08.03.2018) in response to SEIAA letter no 354 dated 02.04.2019 along with construction status of the project (completed/not completed, if not completed then % of built-up area completed as on)
- c) Simultaneously, the SEAC may ask the project proponent to submit the reply to ADS raised on 05.05.2020, within 15 days and to attend the meeting as and when the case is placed before SEAC. In case, the project proponent fails to submit the reply & appears in the meeting of SEAC, it will be presumed that the project proponent is not taking the matter seriously and the case will be delisted without any further communication.
- d) The case be placed again before SEAC after getting the reply to ADS from the project proponent and prosecution status from the PPCB.

In compliance with the decision taken at a) & b), the case is placed before SEIAA for consideration.

4.0 Deliberation during 167th meeting of SEIAA held on 31.07.2020

The case was considered by the SEIAA in its 167th meeting held on 31.07.2020. SEIAA perused the deliberations made during the 190th meeting of SEAC held on 27.06.2020.

After detailed deliberations, SEIAA decided to accept the recommendation of SEAC mentioned at Sr. No. 'a' & 'b' and to take action as proposed by the SEAC. Further, it was directed that separate letters be written to the Board mentioning all the previous correspondence for asking the construction status report and action taken report against the responsible person as per the Clause 3 of MoEF & CC Notification dated 14.03.2017 and as amended on 08.03.2018.

Item No. 167.02: Application for issuance of TORs for carrying out EIA study for obtaining environmental clearance under EIA notification dated 14.09.2006 for the establishment of a Group Housing Project namely " OMEGA CITY" located at Kharar- Ludhiana Road, Tehsil Kharar, District SAS Nagar, Punjab by M/s Omega Infra Estates Pvt. LTD. (SIA/PB/NCP/22977/2018).

SEIAA observed as under:-

1.0 Background

The project proponent submitted that project namely "Omega City" was started in 2013 & the built-up area of the project was 16774 sqm which was less than 20,000 sqm and thereafter, they got the plan revised and the built-up area has been increased to 36445 sqm, which is more than 20000 Sqm. They had started the construction without obtaining Environmental Clearance.

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

Accordingly, they had submitted the online application for issuance of TORs for obtaining Environmental Clearance vide proposal no. IA/PB/NCP/68670/2017 to MOEF&CC on 12/09/2017.

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

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

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

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

In view of the above, MoEF&CC has transferred the project to SEIAA vide proposal no. SIA/PB/NCP/22977/2018 on 28/03/2018.

1.1 Deliberation during 167th meeting of SEAC held on 26.05.2018

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

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

Accordingly, ADS were raised online, and the project proponent submitted hard copy of the application on 06.09.2019

1.2 Salient features of project

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

S.No.	Item	Details
1	Name & Location of the project	Group Housing Project "OMEGA CITY" located at Kharar- Ludhiana Road, Tehsil Kharar, District SAS Nagar, 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	Submitted		
6.	Copy of Memorandum of Article & Association/partnership deed /undertaking of sole proprietorship/list of Directors and names of other persons responsible for managing the day-to-day affairs of the project.	Not Submitted		
7	Proposed ToRs (based on the standard ToRs)	Submitted		
8	Does it attract the general condition? If yes, please specify	No		
9	Whether the proposal involves approval/clearance under the Forest (Conservation)Act,1980	No		
10	Does the project cover under PLPA, 1900	No		
11	Whether the proposal involves approval/clearance under the Wildlife (Protection)Act, 1972?	No		
12	Classification/Land use pattern as per Master Plan	Not submitted. However, it has mentioned that the project site is located at village Khanpur near Kharar and the land for the proposed project conforms to the land use as per the Master plan		
13	Cost of the project	50 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.	Total Plot Area, Built-up Area, and Green area			
	Description	Existing	Additional	Total
	Total Area	22825 sqm	-	22825 sqm
	Built-up Area	16774 sqm	19971	36445 sqm
	Flats	188 flats	218 flats	406
16.	Source of water supply	Ground Water Supply		
17.	Quantity of water	274 KLD		
18.	Waste Water generation	219 KLD		
19.	STP Capacity	225 KLD		
20.	Effluent utilization	69 KLD (i) Uses- Flushing-49 KLD, (ii) Plantation & Irrigation-20 KLD		

21	Rainwater harvesting	Rooftop rainwater of buildings will be collected in 3 RWH tanks of total 70 KLD capacity for harvesting after filtration
22	Air pollution control	i) All the D.G. Sets shall be acoustically treated to restrict the noise within the permissible limits. ii) Stack of adequate height will be provided on DG sets
23	Solid waste	810 kg/day Bio-degradable and Non-biodegradable waste will be handled as per the MSW Rules, 2016
24	Hazardous waste	Used oil of D.G. Sets, will be stored in HDPE drums and kept in covered rooms under lock and key and will be sold to approved recyclers only.
25	Energy Requirements & Saving	i) 2200 KW from the PSPCL ii) Proposed energy-saving measures would save about 21% of the power.
26	Other facts	i) Consent to operate under the Water Act, 1974 for 188 flats have been issued by the SPCB. ii) Regional Deputy Director, Local Govt. , Patiala vide letter no 15737 dated 25.10.2013 has issued amendment and CLU granted for 33 Bighe and 12 Biswa

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

1	Proposal No	SIA/PB/NCP/22977/2018
2	Date of submission of application	12.09.2017
3	Date of acceptance of application	22.05.2018
4	Meeting of SEAC in which case was considered	167 th meeting held on 26.05.2018
5	Observations	As mentioned above.
6	Date of ADS	-
7	Reply received in reference to ADS	The project proponent submitted the hard copy of the application on 06.09.2019
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. The project proponent submitted reply on 25.06.2020
--	--	--

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 and was attended by the following:

1. Sh. Amritpal Singh, Director, on behalf of the project proponent.

2. Sh. Sandeep Garg, EIA Co-ordinator, M/s Eco Laboratories & Consultants Pvt. Ltd. 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 and the project proponent submitted a reply on 25.06.2020 in response to the Additional Details Sought from him which was taken on record.

Before allowing the project proponent to give a presentation, the following observations were made by the Committee:

1. The project proponent is required to submit the details of Forest Clearance obtained for diversion of forest land.
2. As per the letter bearing no. 1567 dated 22.08.2019 issued by the Municipal Council, Kharar, the sewer facility is not available near the project. However, MC, Kharar has no objection, in case, the project proponent connects its internal sewer discharging treated wastewater in the sewer laid down by it. The Committee observed that the proposal of the project proponent for providing the sewer connection at its own level does not seem to be feasible and he required to submit the following in this regard:
 - i) The project proponent shall submit the detailed drawing indicating:
 - (a) Distance of the project sewer from the main sewer.
 - (b) Sewer alignment for joining the main sewer.
 - (c) Private land or Govt. land along with details of ownership from where the sewer passes
 - ii) The project proponent shall submit proper NOC/permission from the owner of the land.
 - iii) The project proponent shall submit a revised letter of MC, Kharar mentioning the carrying capacity of MC sewer & treatment capacity of STP with comments

on the adequacy of the STP in light of the increased pollution load due to the project.

3. As per the proposal submitted by the project proponent, the present pollution load due to 188 flats was 217 KLD for which STP of 250 KLD capacity has been provided. However, after carrying out total construction, there will be 406 residential flats including 40 EWS flats.

SEAC observed that the proposed STP of capacity 250 KLD for complete project will not be adequate as the wastewater generation will be far higher than the treating capacity of the STP. Thus, the project proponent is required to submit a revised water balance along with a revised proposal for the treatment of sewage.

4. The water requirement of the project does not match with the CGWA requirement.

3.0 Recommendation of SEAC

After detailed deliberations, the Committee decided as under:

- a) SEIAA be requested to issue a direction under Section 5 of the Environment (Protection) Act, 1986 to the project proponent as under:-
 - i) It shall not carry out any further construction activity at its project site namely "OMEGA CITY" located at Kharar- Ludhiana Road, Tehsil Kharar, District SAS Nagar, Punjab 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 the 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) and 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 aforesaid observations (Sr No. 1 to 4) of SEAC, within 15 days and appear in the meeting as and when the case is placed before SEAC. In case, the project proponent fails to submit the reply & appears in the meeting of SEAC, it will be presumed that the project proponent is not taking the matter seriously and the case will be delisted without any further communication.
- d) The case be placed again before SEAC after getting the reply from the project proponent and prosecution status from the PPCB.

In compliance to the decision taken at a) & b), the case is placed before SEIAA for consideration.

4.0 Deliberation during 167th meeting of SEIAA held on 31.07.2020

The case was considered by the SEIAA in its 167th meeting held on 31.07.2020. SEIAA perused the deliberations made during the 190th meeting of SEAC held on 27.06.2020.

After detailed deliberations, SEIAA decided to accept the recommendation of SEAC mentioned at Sr. No. 'a' & 'b' and to take action as proposed by the SEAC. Further, it was directed that separate letters be written to the Board mentioning all the previous correspondence for asking the construction status report and action taken report against the responsible person as per the Clause 3 of MoEF & CC Notification dated 14.03.2017 and as amended on 08.03.2018.

Item No. 167.03 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).

SEIAA observed as under:

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 phytoid wastewater treatment technology	<p>Revised Rainwater recharging proposal was submitted as per CGWA guidelines, which was annexed as Annexure-1 of the reply.</p> <p>a. Annual pump age of ground water :18025 KL</p> <p>b. Annual recharge considering 50% of the volume of water available in the Pond after de-silting: 36,422 KL</p> <p>c. Thus, the quantity of ground of recharging is double of the ground water withdrawal as per CGWA guidelines.</p>
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 Amlah 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.

5.	<p>Submit revised CER activities as per the OM dated 01.05.2018 along with NOC from School Principal/ Sarpanch.</p>	<p>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:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%; text-align: center;">SI. No.</th> <th style="width: 65%; text-align: center;">Description</th> <th style="width: 15%; text-align: center;">Schedule</th> <th style="width: 15%; text-align: center;">Amount</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1.</td> <td> Provision of facilities in Govt. Elementary School, Village Rurki, Sirhind: <ul style="list-style-type: none"> • Building maintenance • Provision of water cooler • Solar panel • Inverter • Stationary & tables. </td> <td style="text-align: center;">1 year</td> <td style="text-align: center;">Rs. 11 lakhs</td> </tr> <tr> <td style="text-align: center;">2.</td> <td> Provision of facilities in Shree Prakhar Propkar Mission Hospital: <ul style="list-style-type: none"> • 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 style="text-align: center;">1 year</td> <td style="text-align: center;">Rs. 30 lakhs</td> </tr> <tr> <td colspan="3" style="text-align: center;">Total Amount to be spent under CER</td> <td style="text-align: center;">Rs. 41 Lakhs</td> </tr> </tbody> </table>	SI. No.	Description	Schedule	Amount	1.	Provision of facilities in Govt. Elementary School, Village Rurki, Sirhind: <ul style="list-style-type: none"> • Building maintenance • Provision of water cooler • Solar panel • Inverter • Stationary & tables. 	1 year	Rs. 11 lakhs	2.	Provision of facilities in Shree Prakhar Propkar Mission Hospital: <ul style="list-style-type: none"> • Distribution of medicines. • Distribution of wheelchairs • Providing money for eye operation of the needy patients • Distribution of eyeglasses • Distribution of lenses for operation 	1 year	Rs. 30 lakhs	Total Amount to be spent under CER			Rs. 41 Lakhs
SI. No.	Description	Schedule	Amount															
1.	Provision of facilities in Govt. Elementary School, Village Rurki, Sirhind: <ul style="list-style-type: none"> • Building maintenance • Provision of water cooler • Solar panel • Inverter • Stationary & tables. 	1 year	Rs. 11 lakhs															
2.	Provision of facilities in Shree Prakhar Propkar Mission Hospital: <ul style="list-style-type: none"> • Distribution of medicines. • Distribution of wheelchairs • Providing money for eye operation of the needy patients • Distribution of eyeglasses • Distribution of lenses for operation 	1 year	Rs. 30 lakhs															
Total Amount to be spent under CER			Rs. 41 Lakhs															

		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 <ul style="list-style-type: none"> 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: - <ul style="list-style-type: none"> 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 27.06.2020

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. 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 be 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 plan earmarking the location of the rainwater storage tank was submitted which was taken on record by SEAC.

3.	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.	<p>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.</p> <p>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.</p> <p>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.</p>																		
4.	Provide correct co-ordinates of the project.	<p>The correct coordinates are given below:</p> <table border="1"> <thead> <tr> <th>Corner</th> <th>Latitude</th> <th>Longitude</th> </tr> </thead> <tbody> <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> </tbody> </table>	Corner	Latitude	Longitude	A	30°38'28.38"N	76°18'49.45"E	B	30°38'28.37"N	76°18'44.46"E	C	30°38'25.43"N	76°18'44.42"E	D	30°38'25.39"N	76°18'48.85"E	E	30°38'25.43"N	76°18'49.31"E
Corner	Latitude	Longitude																		
A	30°38'28.38"N	76°18'49.45"E																		
B	30°38'28.37"N	76°18'44.46"E																		
C	30°38'25.43"N	76°18'44.42"E																		
D	30°38'25.39"N	76°18'48.85"E																		
E	30°38'25.43"N	76°18'49.31"E																		

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: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Description</th> <th style="text-align: center;">Total (sqm.)</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">Total area</td> <td style="text-align: center;">12,293.21 (3.03 acres)</td> </tr> <tr> <td style="text-align: center;">Shed area</td> <td style="text-align: center;">3,537.748 sqm</td> </tr> <tr> <td style="text-align: center;">Green Area Total No. of trees to be planted</td> <td style="text-align: center;">4,055.961 sqm (33% of the project area) 606 nos</td> </tr> </tbody> </table>	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
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	<p>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</p> <p>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 total 36,422 m³ per annum of water will be recharged against the groundwater withdrawal of 51.5 KLD considering 350 operational days.</p>			

20	Solid waste generation and its disposal			
	Sr No.	Solid Waste	Quantity	Disposal
	i)	Slag	11 TPD	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
ii)	Domestic Waste	34 Kg/day	Waste will be disposed of as per Solid Waste Management Rules, 2016.	
21	Hazardous Waste & its disposal			
	Sr. No.	Hazardous Waste Category	Quantity	Disposal
	i)	Cat.35.1 – Exhaust air or Gas cleaning Residue	0.9 TPD	Sold to M/s Madhav Alloys for which agreement to be made
	ii)	Cat.5.1 – Used Oil	0.3 KL/annum	Sold to an authorized vendor
22	Energy Requirements & Saving	The details of the energy are given below:		
		S. No.	Description	Proposed
23	Environment Management Plan along with Budgetary break-up phase-wise And responsibility to implement	1.	Power load	10,000 KW
		2.	D.G sets	2 DG sets of 160 KVA & 200 KVA capacity respectively
		<u>Energy-saving measures:</u>		
		a) LEDs will be used in place of CFL		
		b) Energy Efficient Induction Furnaces will be installed		
		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:		

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, 1980, 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 the 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. PM₁₀ and PM_{2.5} in reference to PM emission, and SO₂ and NO_x in reference to SO₂ and NO_x emissions) within and outside the plant area (at least at four locations one within and three outside the plant area at an angle of 120° each), covering upwind and downwind directions.
- iv. The project proponent shall submit monthly summary report of continuous stack emission and air quality monitoring and results of manual stack monitoring and

manual monitoring of air quality/ fugitive emissions to the Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.

- v. Appropriate Air Pollution Control (APC) system shall be provided for all the dust-generating points including fugitive dust from all vulnerable sources.
- vi. The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.
- vii. Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, etc. regularly.
- viii. Recycle and reuse of iron ore fines, coal and coke fines, lime fines and such other fines collected in the pollution control devices and vacuum cleaning devices in the process after briquetting/ agglomeration should be ensured.
- ix. The project proponent shall use leak-proof trucks/dumpers carrying coal and other raw materials and cover them with tarpaulin.
- x. The project proponent shall provide covered sheds for raw materials like scrap and sponge iron, lump ore, coke, coal, etc.
- xi. The project proponent shall provide primary and secondary fume extraction system at all melting furnaces.
- xii. Design and implementation of the ventilation system for adequate air changes as per the ACGIH document for all tunnels, motor houses, Oil Cellars should be ensured.

III. Water quality monitoring and preservation

- i. The project proponent shall monitor regularly ground water quality at least twice a year (pre and post-monsoon) at sufficient numbers of piezometers/sampling wells in the plant and adjacent areas through labs recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories.
- ii. 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 @ 24,281m³ located in the village Rurki shall be adopted for desilting to recharge the water @36,422 m³/annum. As an additional safety measure, the stream carrying waste water of the village shall be diverted in one corner of Phytoid plants trench (designed based on the technology developed by CSIR-NEERI's) divided 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, protected, maintained and established without accounting any 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 at least 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: <ul style="list-style-type: none"> • 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: <ul style="list-style-type: none"> • 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: <ul style="list-style-type: none"> • 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: <ul style="list-style-type: none"> • 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: <ul style="list-style-type: none"> • 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: <ul style="list-style-type: none"> • 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, SO₂, NO_x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.
- v. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the Ministry of Environment, Forest and Climate Change at environment clearance portal.
- vi. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
- vii. The project proponent shall inform the Regional Office of the Ministry and PPCB, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
- viii. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
- ix. The project proponent shall abide by all the commitments and recommendations made in the EIA /EMP report, commitment made during Public Hearing and also that during their presentation to the SEAC and SEIAA.
- x. No further expansion or modifications in the plant shall be carried out without prior approval of SEIAA, Punjab.
- 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.

4.0 Deliberations during the 167th meeting of SEIAA held on 31.07.2020.

The case was placed in the 167th meeting of SEIAA held on 31.07.2020, which was attended by the following through Video Conference:

- i) Sh. Mohit Singla, Partner of Kanha Concast
- 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 salient features of the project. A copy of the presentation was taken on record by SEIAA. During the meeting, SEIAA made certain observations to which project proponent replied as under:

Sr. No.	Observations	Reply
1	What is the maximum production capacity of the unit? Submit the detailed calculations for the same.	<p>The maximum production capacity of the unit will depend upon the following:</p> <p>(i) Quality of the scrap used in the induction furnace. More heats in a day can be achieved by using good quality of scrap in comparison to the poor quality of scrap.</p> <p>(ii) Considering the new design of the furnace & good quality of scrap, 13 heats (105 minutes per heat) in 24 hours can be achieved. Hence, the maximum production capacity of an induction furnace will be $1 \times 12 \times 13 = 158$ TPD. (for 2 induction $\times 158$ TPD $\times 352$ days= 1,10,136 TPA)</p> <p>(iii) As such, 1,10,000 TPA production capacity in the round figure has been mentioned in the application form.</p>

2.	<p>Technology detail to be submitted</p> <p>What is the advantage of the newly designed induction furnace over the old technology?</p>	<p>New design induction furnaces designed considering the following points</p> <ul style="list-style-type: none"> (i) MF voltage of furnace will be 4000V instead of 3000V (ii) Frequency of the new design will 200 Hz instead of 500 Hz (iii) A new nano cable design will be used to reduce the transmission losses. (iv) Cooling of the transformer is based on OFWF (Oil Forced/Water Forced) instead of ONAN (Oil Natural/Air Natural) (v) A new civil layout of the furnace will be used to reduce losses. (vi) The power factor of the furnace will be increased from 0.95 to 0.98 by adopting aforesaid features. This results in considerable savings in the Electricity Bill. (vii) With the old design, 12 heats in 24 hrs. operation can be achieved. So, daily production will be 140 ton to 145 ton in a day for a 12 T induction furnace and with a new design furnace, 13 heats in 24 hrs. operation can be achieved. So, daily production will be 152 tons to 158 tons in a day for a 12 T induction furnace. Thus, there will be 9 to 10% increase in the production using the same capacity of the furnace.
3.	<p>As per the MoEF guideline, a green belt shall inter-alia cover the entire periphery of the plant. As such project proponent is required to re-submit the landscaping plan covering the entire boundary with the green belt by removing the unwanted/non-productive structures exist near the boundary wall.</p>	<p>The project proponent submitted the revised landscaping plan. A copy of the layout plan was taken on record.</p>

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

During discussions, representative of the promoter company agreed to comply with all the conditions as mentioned by SEAC.

SEIAA observed that the case stands recommended by SEAC and the Committee has

awarded 'Silver Grading' to the project proposal. The SEIAA looked into the detail of the case and was satisfied with the same.

5.0 Recommendations

After detailed deliberations, SEIAA decided to accept the recommendations of SEAC and 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 as per the details mentioned in Form 2, EMP & subsequent presentation /clarifications made by the project proponent and his consultant with aforesaid salient features and conditions proposed by the SEAC with the following amendments and deletion in the proposed conditions: -

Amended Condition no. (i) of Air Quality Monitoring and Preservations

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

Deleted Condition no. (ii) of additional specific conditions

- 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.

Item No.167.04: Application for obtaining Environmental clearance under EIA notification dated 14.09.2006 for expansion of Steel Manufacturing Unit namely "Punjab Steels" at Village Tooran, Amloh Road, Tehsil Amloh, Distt. Fatehgarh Sahib, Punjab by M/s. Punjab Steels (Proposal no SIA/PB/IND/22215/2018)

SEIAA observed as under: -

1.0 Background:

The project proponent submitted an application for issuance of TOR under EIA notification, 2006 for expansion of Steel Manufacturing Unit namely "Punjab Steels" at Village Tooran, Amloh Road, Tehsil Amloh, Distt. Fatehgarh Sahib, Punjab. The project proponent will replace already installed 02 nos. Induction Furnace of capacity 04 TPH and 06 TPH with 2 nos. of Induction Furnaces of capacity 15 TPH each. The project is covered under category 3(a) - Secondary Metallurgical Industries (ferrous & nonferrous) of the Schedule appended to the said notification. The project proponent submitted the Form 1 and other documents.

1.1 Deliberation during the 164th meeting of SEAC held on 10.04.2018

The case could not be taken up due to paucity of time and was deferred.

1.2 Deliberation during the 165th meeting of SEAC held on 21.04.2018

The project proponent requested to SEAC to defer the case as the presentation of the case is not ready and sought some time for the same. After deliberations, SEAC decided to accept the request of the project proponent and decided to defer the case and the same to be placed in the next meeting of SEAC.

1.3 Deliberation during the 166th meeting of SEAC held on 24.05.2018

The meeting was attended by the following on behalf of the project proponent:

- (i) Sh. Kulwant Rai, General Manager on behalf of the promoter company.
- (ii) Ms. Priyanka Madan, Sr. Manager, Eco Laboratories & Consultants Pvt. Ltd., Mohali, Environmental Consultant of the promoter Company.

SEAC allowed the Environmental Consultant to present the salient features of the project. The environmental consultant presented the salient features of the project which was taken on record by SEAC.

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 including above observation as conditions of TOR and recommended to SEIAA to issue TORs.

1.4 Deliberation during 133rd meeting of SEIAA held on 06.07.2018

The meeting was attended by the following on behalf of the project proponent:

- (i) Sh. Kulwant Rai, Manager of the promoter company.
- (ii) Ms. Priyanka, Environmental consultant, M/s EQMS India Pvt. Ltd. of the promoter Company

Environment consultant of the promoter company presented the salient features of the project before the SEIAA and requested for issuance of TORs. During discussion, representative of the industry agreed to comply with fully all the TORs as mentioned by SEAC. The SEIAA observed that the SEAC has categorized the project into B-1 category and has recommended specific TORs for undertaking detailed EIA & EMP for such types of projects. The SEIAA looked into the details of the case and was satisfied with the same. Therefore, the Authority decided to accept the recommendations of SEAC and approved Terms of Reference for undertaking detailed EIA & EMP as finalized by SEAC. In compliance with the decision of SEIAA.

Accordingly, ToRs were issued vide letter no. SEIAA/2018/875 dated 16.07.2018. The public hearing was carried out on 27.02.2018 and the proceedings have been submitted.

2.0 Present Case

The project proponent submitted the EIA report. EIA report was scrutinized and EDS was raised, to which project proponent replied vide letter dated 15.10.2019, 24.12.2019, 16.03.2019, 08.06.2020 & 23.06.2020 respectively.

The Project proponent deposited the Environmental Clearance processing fee of Rs. 1,39,300/- vide NEFT no. 000073909256 dated 23.09.2019 and to Rs. 700/- vide UTR no. 000084506157 dated 05.03.2020.

The total project cost was again changed from Rs. 13.99 crore to Rs. 14.59 crore due to the reason that the APCD cost was revised. Accordingly, the balance processing fee of Rs. 6,000/- was deposited vide UTR no. 000656914511 dated 23.06.2020.

The application for obtaining EC was accepted by SEAC online dated 25.06.2020.

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 which was attended by the following through Video Conference:

- i) Sh. Rajesh Mittal, Partner of the promoter company.
- ii) Dr. Sandeep Garg, Environmental Consultant from M/s Eco Laboratories and Consultants Pvt Ltd.

Environmental Consultant presented the salient features of the project as under:

Sr.No.	Item	Details
1.	Online Proposal No.	SIA/PB/IND/22215/2018
2.	Name and Location of the project	Expansion of Steel Manufacturing Unit namely "Punjab Steels" located at Village Tooran, Amluh Road, Tehsil. Amluh, Mandi Gobindgarh, Distt.

		Fatehgarh Sahib, Punjab				
3.	Latitude & Longitude	Corners coordinates of the project boundary are given below: A: 30°38'47.00"N and 76°16'18.36"E B: 30°38'53.46"N and 76°16'18.70"E C: 30°38'53.96"N and 76°16'13.74"E D: 30°38'48.61"N and 76°16'13.52"E				
4.	Project/ activity covered under item of scheduled to the EIA Notification, 14.09.2006.	Schedule 3(a): Metallurgical Industries (ferrous & non-ferrous)				
5.	Whether the project falls in the critical polluted area.	No, the project proponent submitted a letter from RO, PPCB, Fatehgarh Sahib vide letter no. 4642 dated 24.12.2019 wherein it is mentioned that industry falls under the non-attainment city of Mandi Gobindgarh area.				
6.	Classification/ Land use pattern as per Master Plan.	Industrial				
7.	Revised Cost of the project	PP submitted revised project cost - After expansion, total cost of the project is estimated to be Rs. 14.59 Crores. The details of the existing & proposed cost are given below:				
		S. No.	Existing (in Crores)	Proposed (in Crores)	Total (in Crores)	
		1.	Rs. 9.43 Cr.	Rs. 5.16 Cr.	Rs. 14.59 Cr	
8.	Total Plot area, Built-up area and Green area.	The area details of the project are as under:				
		Sr. No	Description	Existing (sqm)	Proposed (sqm)	Total (sqm)
		1.	Total area	5.60 acres (or 22,483.27 sqm)		
		2.	Shed area	10,578.99 sqm		
3.	Green Area	7,430.76 sqm				
10.	Public Hearing	The public hearing was conducted on dated 27.02.19 in the industry premises. The project proponent submitted a satisfactory reply in reference to all the public hearing points.				
11.	Raw material details are given below:					
	S. No.	Description	Raw Materials & Quantity (TPD)	Mode of transport		
	1.	Existing	Scrap (121)	By road through trucks (approx. 6 trucks per day).		
			Ferro Alloys (1)			
	2.	After Expansion	Scrap (359)	By road through trucks (approx. 18 trucks per day).		
Ferro Alloys (4)						

12.	Products details are given below:				
	Description	Capacity	Products		
	Existing	115 TPD	Ingots/TMT Bars		
	After Expansion	330 TPD	Ingots/TMT Bars		
13.	Details of Induction furnaces & Rolling Mill:				
	Description	Existing	Proposed	Total (After Expansion)	
	Machinery	1 IF's of capacity 4 TPH 1 IF's of capacity 6 TPH	Replacement of the existing 2 IF's with the 2 IF's capacity 15 TPH each and direct rolling through CCM.	2 IF's of capacity 15TPH each and direct rolling through CCM	
14.	Ground/Fresh water requirement permission	The project falls in the notified block area. The project proponent submitted an application to District Advisory Committee on 05.03.2020 for want of permission of freshwater @ 86.5 KLD through its two existing bore wells located within the project premises.			
15.	Solid waste generation and its Disposal agreement	<p>(i) Approximately, 13 Kg/day of domestic solid waste is being generated from the existing project & after expansion, approx. 18 kg/day of domestic waste will be generated. Waste will be collected properly and segregated into biodegradable and non-biodegradable waste. The solid waste will be disposed of as per Solid Waste Management Rules, 2016.</p> <p>(ii) 4 TPD of slag is being generated from the existing industrial unit and after expansion; it is estimated to be 11 TPD out of which 2.2 TPD metal will be recovered and the remaining 8.8 TPD will be sold to M/s SH Infrastructure for manufacturing of ready-mix concrete.</p>			
16.	Population (when fully operational)	Existing Manpower: 60 persons After expansion: 80 persons			
17.	Breakup of Water Requirements & source in Operation Phase (Summer, Rainy, Winter): The existing water requirement of the project was 20 KLD. However, after expansion, total water requirement for the project will be 90 KLD. The break-up of the same is given as under:				
	Sr. No	Description	Existing water demand (KLD)	Proposed water demand (KLD)	Total water demand (KLD)
	1.	Domestic water demand	3	1.5	4.5

	2.	Make up water demand for cooling purpose	16	28.5	44.5		
	3.	Green area water demand	1	40	41		
	Total		20	70	90		
Sources of water:							
	S. No.	Purposes	Source of water				
	1.	Domestic	Ground water				
	2.	Make-up water demand for cooling	Ground water + Treated wastewater from STP				
	3.	Flushing purposes	Nil				
	4.	Green area water demand	Ground Water				
18.	Disposal arrangement of wastewater in Operation Phase		After expansion, 3.6 KLD of domestic wastewater will be generated which will be treated in the STP of capacity 5 KLD to be installed within project premises. Further, no industrial effluent will be generated.				
19.	Revised Rain water recharging proposal along with NOC from Sarpanch		<p>(i) The project falls in the over- exploited zone.</p> <p>(ii) No rain water recharging pit will be proposed within the project site.</p> <p>(iii) 76,115m³ per annum of rain water will be recharged against the abstraction of ground water @ 86.5 KLD by adopting three ponds in the Villages Tooran, Saliani, Jasran. Thus, the quantity of recharging will be double of the ground water withdrawal.</p> <p>(iv) As an additional safety measure, the stream carrying waste water of the villages shall be diverted in one corner of the Phytoid plants trench (designed based on the technology developed by CSIR-NEERI's) divided into different parts, the overflow of each chamber shall be allowed to enter into another chamber which will ultimately lead to the purification of water.</p>				
20.	Hazardous Waste & E-Waste		The details of the hazardous waste generated is given below:				
			Sr. No	Description	Existing	Proposed	Total
			1.	Used oil	-	0.20 KL/annum	0.20 KL/annum
			2.	APCD dust	0.02 TPD	1 TPD	1.02 TPD
			Disposal				
	<p>(i) For APCD dust, an agreement has been made with M/s Madhav Alloys Pvt. Ltd.</p> <p>(ii) E-waste will be disposed off as per the E-waste Management Rules,2018.</p>						
21.	Energy requirements		The details of the energy are given below:				

	& saving	Sr. No	Description	Existing	Proposed	Total
		1.	Power load	8,249.783K W	4,000 KW	12,249.783 KW
		2.	D.G sets	1 No. 125 KVA	1 No. 125 KVA	2 No. 125 KVA
<p>Energy-saving measures to be adopted within the industry are given below:</p> <p>a) LEDs will be used in place of CFL.</p> <p>b) Energy-efficient Induction Furnaces will be installed.</p>						
22.	Environment Management Plan along with Budgetary break-up phase wise and responsibility to implement	<p>Project proponent submitted a revised EMP plan on 23.06.2020 for the construction phase & operation phase. Rs. 125 lakhs allocated for construction phase & Rs. 11.5 lakhs allocated for the operation phase as a recurring cost for the implementation of EMP. The detail of the same is as under:</p>				
		Sr. No	Environmental Protection Measures	Capital Cost (Rs.in lakhs)	Recurring Cost (Rs. In lakhs/year)	
		1.	Air Pollution Control (Installation of APCD)	100	0.5	
		2.	Water Pollution Control (STP)	10	2.0	
		3.	Noise Pollution Control (Including the cost of 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	3.0	0.5	
		7.	Rain Water Recharging outside the project premises	1.0	0.5	
		8.	Miscellaneous	1.0	0.5	
		Total		125	11.5	
23.	<p>Corporate Environment Responsibility (CER) activities</p> <p>Project Proponent submitted revised CER activities on 23.06.2020 along with budgetary break. Mr. Rajesh Kumar Mittal (Partner) of M/s Punjab Steels will be responsible for the implementation of CER. Rs. 14.60 Lakhs will be spent on the following CER activities as per Office Memorandum of CER dated 01.05.2018:</p>					

Sr. No.	Activities	Total Expenditure (in lakhs)	Timeline (Starting from the date of grant of EC)	Total Expenditure in 1 Year (in lakhs)
1.	Constructing two toilets, Interlocking tiling of village roads, Plantation in common areas and provision of water coolers in village Tooran.	14.6	1 year	14.6

SEAC made certain observations to which project proponent replied as under:

Sr.No.	Query	Reply submitted
1.	APCD to be provided for both induction furnaces and rolling mill. Project cost to be revised based on the cost of APCD.	<p>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.</p> <p>Feasibility design report for APCD of two induction furnaces of 15 TPH each approved by PSCST has been submitted.</p> <p>CCM has already been 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.</p> <p>The cost of APCD for Induction furnace has already been included in the total project cost.</p> <p>An online monitoring system will be provided to the APCD and there will be the provision of sampling at the inlet/outlet of APCD. An undertaking submitted in this regard was taken on record by the SEAC.</p>
2.	Agreement with M.C. for use of treated waste water for industrial purposes as the unit is located in the notified zone.	The project proponent submitted that the project falls in the notified area. Thus, water requirements for domestic & green areas will be met through borewell for which application has already been submitted to the District Advisory Committee (DAC).

		<p>Water demand for industrial purposes (41 KLD) will be met from the treated wastewater of STP of MC, Mandi Gobindgarh which is located at a distance of 2 km from the industry.</p> <p>Due to lock down in Mandi Gobindgarh, the project proponent submitted a letter issued by the MC, Mandi Gobindgarh to the effect that they have no objection to provide 41 KLD of treated wastewater for use by the industry but, the industry will have to make its own arrangements for transportation. The letter was issued by the MC on 30.06.2020 after the meeting within the two working days as decided by the SEAC, which was examined and taken on record.</p>
3.	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.	Project proponent submitted that 7430.76 sqm green area will be provided which comprises 33.05% of the total area. Total 1107 trees will be planted without accounting the shrubs in the industry.
4.	Rain water utilization proposal during Monsoons.	Rain water storage tank of total capacity 500 KL (i.e. 2 ×250 KL each) will be provided to store the rain water run off generated from the roof top (@ 245 m ³ /hours) during the monsoon season which will be utilized for cooling water, cleaning and land scaping purposes. A copy of the layout plan showing the location of two storage tanks was also submitted which was taken on record by the SEAC.

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

4.0 Recommendations

After detailed deliberations, SEAC decided to award '**Silver Grading**' to the project proposal and forwarded to SEIAA with the recommendations to grant Environmental Clearance for expansion of its existing unit located at village Tooran, Amluh Road, Mandi Gobindgarh, District- Fatehgarh Sahib, Punjab by M/s. Punjab Steels as per the details mentioned in Form 2, EMP & subsequent presentation /clarifications made by the project proponent and with aforesaid salient features and conditions given as under:-

I. Statutory compliance:

- i. The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1980, 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; and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.

- ii. The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through laboratories recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- iii. The project proponent shall install a Manual system to carryout Continuous Ambient Air Quality monitoring for parameters relevant to the main pollutants released (e.g. PM₁₀ and PM_{2.5} in reference to PM emission, and SO₂ and NO_x in reference to SO₂ and NO_x emissions) within and outside the plant area (at least at four locations one within and three outside the plant area at an angle of 120° each), covering upwind and downwind directions.
- iv. The project proponent shall submit monthly summary report of continuous stack emission and air quality monitoring and results of manual stack monitoring and manual monitoring of air quality/ fugitive emissions to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.
- v. Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources.
- vi. The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.
- vii. Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, etc. regularly.
- viii. Recycle and reuse of iron ore fines, coal and coke fines, lime fines and such other fines collected in the pollution control devices and vacuum cleaning devices in the process after briquetting/ agglomeration should be ensured.
- ix. The project proponent shall use leak proof trucks/dumpers carrying coal and other raw materials and cover them with tarpaulin.
- x. The project proponent shall provide covered sheds for raw materials like scrap and sponge iron, lump ore, coke, coal, etc.
- xi. The project proponent shall provide primary and secondary fume extraction system at all melting furnaces.
- xii. Design and implementation of the ventilation system for adequate air changes as per ACGIH document for all tunnels, motor houses, Oil Cellars should be ensured.

III. Water quality monitoring and preservation

- i. The project proponent shall monitor regularly ground water quality at least twice a year (pre and post-monsoon) at sufficient numbers of piezometers/sampling wells in the plant and adjacent areas through labs recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories.
- ii. The project proponent shall adhere to 'Zero Liquid Discharge'.
- iii. Sewage Treatment Plant of capacity 5 KLD shall be provided for treatment of domestic wastewater to meet the prescribed standards.
- iv. Garland drains and collection pits shall be provided for each stock pile to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run off
- v. The project proponent shall practice rainwater harvesting to maximum possible extent. For this 3 village ponds having volume @ 14,322 m³ , 24,281 m³ , 12,140 m³ located at Village Tooran, Saliani & Jasran respectively shall be adopted for desilting to recharge the water @ 76,115 m³/annum. As an additional safety measure, the stream carrying waste water of the village shall be diverted in one corner of Phytoid plants trench (designed based on the technology developed by CSIR-NEERI's) divided in different parts, the overflow of each chamber shall be allowed to enter into another chamber which will ultimately lead to purification of water and collected into pond to avoid any contamination of ground water aquifer. Pond water will percolate through natural strata (without injection) to augment the ground water and remaining water shall be used for irrigation purposes by pumping method in the nearby fields.
- vi. The project proponent shall make efforts to minimize water consumption in the steel plant complex by segregation of used water, practicing cascade use and by recycling treated water.

IV. Noise monitoring and prevention

- i. Noise level survey shall be carried as per the prescribed guidelines and the report in this regard shall be submitted to the Regional Officer of the Ministry as a part of six-monthly compliance report.
- ii. The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.

V. Energy Conservation measures

- i. The project proponent shall practice hot charging of slabs and billets/blooms as far as possible.

- ii. The project proponent shall provide solar power generation on rooftops of buildings, solar light system for all common areas, street lights, parking around project area and maintain the same regularly.
- iii. The project proponent shall provide the for LED lights in their offices and residential areas.

VI. Waste management

- i. Used refractories shall be recycled as far as possible.
- ii. 100% utilization of fly ash shall be ensured. All the fly ash shall be provided to cement and brick manufacturers for further utilization and Memorandum of Understanding in this regard shall be submitted to the Ministry's Regional Office.
- iii. The waste oil, grease and other hazardous waste shall be disposed of as per the Hazardous & Other waste (Management & Transboundary Movement) Rules, 2016.
- iv. Kitchen waste shall be composted or converted to biogas for further use

VII. Green Belt

- i) Green belt shall be developed in an area 7430.76 sqm (33 %) of the plant area with tree species in accordance with SEIAA guidelines. Total 1107 trees to be planted without accounting the shrubs. The greenbelt shall inter alia cover the entire periphery of the plant to the maximum extent. The industry shall ensure that most of the periphery shall be provided with green belt by removing the unwanted/non-productive structures already provided in the existing project near the boundary wall.

VIII. Public hearing and Human health issues

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

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

IX. Corporate Environment Responsibility

- i. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility. The project proponent shall adhere to the commitments made in the revised proposal for CER activities for spending atleast minimum amount of Rs.14.60 Lacs towards following CER activities:

S. No.	Activities	Total Expenditure	Timeline	Total Expenditure
1.	Constructing two toilets, Interlocking tiling of village roads, Plantation in common areas and provision of water coolers in village Tooran.	14.6 Lacs	1 year	14.6 Lacs

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 spent minimum amount of Rs 125 Lacs towards the capital cost and Rs 11.5 Lacs/annum towards recurring cost including the Environmental monitoring cost for the implementation of EMP as proposed in the 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.

- v. Self-environmental audit shall be conducted annually. Every three years third-party environmental audit shall be carried out.
- vi. All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the plants shall be implemented.

X. Validity

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

XI. Miscellaneous

- i. The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition, this shall also be displayed in the project proponent's website permanently.
- ii. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
- iii. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
- iv. The project proponent shall monitor the criteria pollutants level namely; PM10, SO₂, NO_x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.
- v. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the Ministry of Environment, Forest and Climate Change at environment clearance portal.

- vi. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
- vii. The project proponent shall inform the Regional Office of the Ministry and PPCB, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
- viii. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
- ix. The project proponent shall abide by all the commitments and recommendations made in the EIA /EMP report, commitment made during Public Hearing and also that during their presentation to the State Expert Appraisal Committee and SEIAA.
- x. No further expansion or modifications in the plant shall be carried out without prior approval of SEIAA, Punjab.
- xi. Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
- xii. The SEIAA/Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
- xiii. The SEIAA/ Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time-bound manner shall implement these conditions.
- xiv. The Regional Office of this Ministry and Punjab Pollution Control Board shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office and PPCB by furnishing the requisite data / information/monitoring reports.
- xv. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.

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

XII. Additional Specific Conditions decided during the meeting of SEAC

- i. The project proponent shall install site suction hood followed by the Pulse-Jet bag filter with offline cleaning technology as APCD on the two Induction Furnaces of capacity 15TPH each.
- ii. The project proponent shall install 24x7 continuous online SPM monitoring system at the inlet & outlet of APCD to monitor and achieve the suspended particulate matter (SPM) emission standards as prescribed by CPCB/SPCB.
- iii. The project proponent shall submit monthly summary report of continuous stack emission (inclusive of data of continuous SPM monitoring at inlet & outlet of APCD before stack) and air quality monitoring and results of manual stack monitoring and manual monitoring of air quality/ fugitive emissions to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.
- iv. The project proponent shall obtain the permission from District Advisory Committee (DAC) for the abstraction of ground water from its two existing borewells to meet with the requirement of domestic purposes.
- v. The project proponent will meet the water requirement for industrial purpose @ 41 KLD from the treated wastewater from STP of MC, Mandi Gobindgarh as proposed vide letter dated 30.06.2020.
- vi. The project proponent shall construct two water storage tank of capacity 250 KL each for collection of rainwater runoff generated from the rooftop during monsoon season within its premises.
- vii. The project proponent shall minimize the water consumption in the steel plant complex by segregation of used water, practicing cascade use and by recycling treated water.
- viii. The project proponent shall reuse of cooling tower blowdown, simultaneously ensuring the standards prescribed for such purge waters. If required, necessary arrangements shall be made to keep this waste stream within the parameters required for reuse.
- ix. The project proponent shall reserve land for loading or unloading of raw material, products, slag, hazardous waste as well as for storage of these materials and the area to be reserved for parking. The area to be reserved by considering the time required

for loading and unloading of vehicles for respective activities and minimum/maximum period for which storage of the above material is required in the premises. The areas for the respective activities to be marked on the layout plan.

- x. The project proponent shall comply with the standard operating procedures and up-gradation of suction and control arrangement for the secondary emissions as prescribed by the State Pollution Control Board or by CPCB/MoEF&CC.
- xi. Whole of the vehicle movement area as well as the approach road to the gate /weighing bridge shall be paved with pucca/metalled / cement concrete road to control the dust emissions expected from the vehicle movement.
- xii. The vehicles to be used for loading/unloading purposes shall not be parked along the roadside to avoid traffic congestion and a dedicated parking place to be provided for the same.
- xiii. The project proponent shall adopt green technologies to conserve water and energy. Also, provide abrasive resistant fire bricks in the crucibles to reduce the periodic maintenance & disposal of discarded fire bricks.
- xiv. The project proponent shall use natural gas (if available) as substitute fuel wherever possible in the existing industry/ for the expansion project.
- xv. The project proponent shall take necessary action w.r.t. the following: -
 - a) Recovery of iron from slag before disposing of it.
 - b) Identify the areas for utilization of slag in a scientific manner and its usage in cement/construction industry/road laying etc.

4.0 Deliberations during the 167th meeting of SEIAA held on 31.07.2020.

The case was placed in the 167th meeting of SEIAA held on 31.07.2020, which was attended by the following through Video Conference:

- i) Sh. Rajesh Mittal, Partner of the promoter company
- 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 salient features of the project. A copy of the presentation was taken on record by SEIAA. During the meeting, SEIAA made certain observations to which project proponent replied as under:

Sr. No.	Observations	Reply

<p>1.</p>	<p>Technology details to be submitted from the supplier regarding old & new technology.</p>	<p>Technology detail from Megatherm regarding old & new furnace was submitted. The details of the same are summarized as under: -</p> <ul style="list-style-type: none">(i) The power consumption in the old furnace ranges from 750 units to 800 units/Ton of product. Whereas, after the replacement of furnaces with 15 Ton, power consumption per ton of product will reduce to 720 to 750 units. Thus, there will be a power-saving of 30-50 units/ton.(ii) The average heat cycle time for new furnaces with mixed scrap will range from 2 hrs. to 2.15 hrs. by considering 6000KW, 4000 V, 200 Hz, 24_pulse furnace with a transformer of 11 KVA and 7200 KVA output voltage of 1000V induction furnace. Thus, on an average, they cannot take more than 11 heats per day, which will give max. 330 TPD but actual production will be 300 TPD only.(iii) The capacity of 330 TPD has been kept keeping in mind the existing infrastructure available. Further, they are not in a position to replace/change the infrastructure due to land area/funds constrains.(iv) In the State of Punjab, Govt. has imposed power load restrictions for approx. 4 hours daily in power-intensive industries. If the unit is operated during this period, the rate of power is more by Rs. 2.40/- per unit. So, to keep the unit viable, efforts will be made to minimize the operation of the unit during peak electricity hours. Thus, effectively 20 hours will be available in a day for the operation of the unit.(v) At present, the industry has one CCM of size 4 × 7 radius with a single strand which cannot handle more than 330 Ton of melted steel. Further, a double strand
-----------	---	--

		cannot be done as more space is required for its installation.
2.	The project proponent has proposed to utilize the ground water for green area, which is not acceptable	The project proponent submitted that treated waste water of STP Mandi Gobindgarh will be used for the cooling purposes and green area for which they have obtained NOC from the Mandi Gobindgarh to provide treated wastewater. The industry will make its own arrangements (tankers) for the transportation of treated wastewater.
3.	Submit the details of the parking area.	<p>(i) Transporting area (Truck parking area): 724.90 sqm.</p> <p>(ii) No. of trucks which can be parked = $724.90 / 37.5 = 20$ Trucks.</p> <p>(iii) No. of Trucks required as per production capacity: 35 trucks per day</p> <p>(iv) Total 5 trucks (max.) will be required per hour.</p> <p>Thus, at any time 20 trucks can be parked inside the premises which are more than the required parking.</p> <p>i) Staff Parking Area: 71.56 sqm.</p> <p>ii) No. of two-wheelers which can be parked = $71.56 / 5 = 14$ two-wheelers.</p>

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

During discussions, representative of the promoter company agreed to comply with all the conditions as mentioned by SEAC.

SEIAA observed that the case stands recommended by SEAC and the Committee has awarded 'Silver Grading' to the project proposal. The SEIAA looked into the detail of the case and was satisfied with the same.

After detailed deliberations, SEIAA decided to accept the recommendations of SEAC and grant Environmental Clearance for the expansion of its existing unit located at village Tooran, Amloh Road, Mandi Gobindgarh, District-Fatehgarh Sahib, Punjab as per the details mentioned in Form 2, EMP & subsequent presentation /clarifications made by the project proponent and his consultant with aforesaid salient features and conditions

proposed by the SEAC with the following amendments and deletion in the proposed conditions: -

Amended Condition no. (i) of Air Quality Monitoring and Preservations & (v) of additional specific condition

- iii. The project proponent shall install 24x7 continuous online SPM monitoring system at the inlet & outlet of APCD to monitor 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. The project proponent shall achieve the suspended particulate matter (SPM) emission standards as prescribed by CPCB/SPCB.
- v. The project proponent shall not abstract ground water for the use of industrial purposes and green area from existing borewell. The project proponent will meet the water requirement @ 85.5 KLD for industrial purpose and green area from the treated wastewater from STP of MC, Mandi Gobindgarh for which NOC has been obtained.

Deleted Condition no. (ii) of additional specific conditions

- iii. 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.

Item No. 167.05: Application for obtaining environmental clearance under EIA notification dated 14.09.2006 for the expansion of group housing project namely "Hero Homes" located at Sector 88, SAS Nagar, Mohali (Punjab) by M/s Hero Realty Pvt. Ltd. (Proposal No. SIA/PB/NCP/42719 /2018).

SEIAA observed as under: -

1.0 Background

The project proponent was issued Terms of References (TORs) for obtaining Environmental Clearance under the EIA Notification dated 14.09.2006 for the expansion of group housing project namely "Hero Homes" located at Sector 88, SAS Nagar, Mohali (Punjab) vide letter no 735-737 dated 22/08/2019.

Further, Northern Regional Office, MOEF&CC, Chandigarh was requested vide letter no 738-739 dated 22/08/2019 to re-verify the action taken report of the compliances made by the Project Proponent w.r.t. the earlier observations raised by it and send the report within one month. No report was received from the Northern Regional Office of MoEF&CC till 20/09/2019. Further, in compliance to the decision taken in case of non-receipt of the report from the Northern Regional Office of MoEF&CC, Regional Office of PPCB, Mohali has also been requested vide letter no 901 dated 01.10.2019 asked to re-verify the compliance of the aforesaid observations and send the report as per MoEF& CC circular dated 07.09.2017.

Essential details were sought from the project proponent online on 21.12.2019 and 16.01.2020 to which he replied on 26.12.2019 and 18.01.2020, respectively

The project proponent submitted the revised EIA report on 18.01.2020.

The project proponent has also deposited EC fee amounting to Rs 2,70,220/- vide DD No. 541652/- dated 23.09.2019 as per the Govt. order dated 27.06.2019. The project proponent has also submitted the report issued by the MoEF& CC vide letter no 357 dated 11.11.2019 regarding the re-verification of compliances made by him w.r.t the earlier observation raised in certified monitoring report dated 01.02.2019 and copy of the same was enclosed as Annexure of the instant agenda.

1.1 Deliberation during 187th meeting held on 26.02.2020

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

- i) Sh. Sandeep Sehgal, V.P. (Projects) on behalf of the promoter company.
- ii) Ms. Sadhna Singh, M/s GRC India Pvt. Ltd.

To a query of SEAC regarding the action taken report on the non-compliance of the condition of the earlier granted environmental clearance to it, the project proponent presented the compliance of all the observations raised by MOEF& CC. SEAC observed

that the project proponent has now complied with the said observations. The project proponent has carried out the monitoring of PM_{2.5}, PM₁₀, and CO and observed that analysis results of said parameter in the study of May 2019 are within permissible limit except the concentration of PM_{2.5} at 02 locations for which he suggested mitigation measures to be taken during the construction phase. SEAC was satisfied the same.

Thereafter, SEAC allowed the Project proponent to present the salient features of the project and the Environmental Consultant of the same presented as under:

S.No.	Item	Details															
1.	Online Proposal No.	SIA/PB/NCP/29524/2018															
2.	Name and Location of the project	Expansion of group housing project namely "Hero Homes" located at Sector 88, SAS Nagar, Mohali (Punjab) by M/s Hero Realty Pvt. Ltd.															
3.	Latitude & Longitude	Corners Coordinates: <table border="1" style="margin-left: 20px; width: 100%;"> <thead> <tr> <th>Corner</th> <th>Latitude</th> <th>Longitude</th> </tr> </thead> <tbody> <tr> <td>Corner-A</td> <td>30°41'20.98"N</td> <td>76°41'32.63"E</td> </tr> <tr> <td>Corner-B</td> <td>30°41'17.29"N</td> <td>76°41'27.02"E</td> </tr> <tr> <td>Corner-C</td> <td>30°41'7.02"N</td> <td>76°41'35.80"E</td> </tr> <tr> <td>Corner-D</td> <td>30°41'10.62"N</td> <td>76°41'41.36"E</td> </tr> </tbody> </table>	Corner	Latitude	Longitude	Corner-A	30°41'20.98"N	76°41'32.63"E	Corner-B	30°41'17.29"N	76°41'27.02"E	Corner-C	30°41'7.02"N	76°41'35.80"E	Corner-D	30°41'10.62"N	76°41'41.36"E
Corner	Latitude	Longitude															
Corner-A	30°41'20.98"N	76°41'32.63"E															
Corner-B	30°41'17.29"N	76°41'27.02"E															
Corner-C	30°41'7.02"N	76°41'35.80"E															
Corner-D	30°41'10.62"N	76°41'41.36"E															
4.	Project/activity covered under item of scheduled to the EIA Notification, 14.09.2006	The project falls under Sr .No. 8(b) Township & Area Development Projects.															
5.	Whether the project is in critical polluted area or not.	The project does not fall in the critically polluted area. General condition does not apply to Construction projects.															
6.	Does the project involve the diversion of forest land?	No. Project does not involve any diversion of forest land.															
7.	a) Does the project covered under PLPA, 1900, if No but located near to the PLPA area then the project proponent is required to submit NOC from the concerned DFO to the effect that project area does not fall under the provision of PLPA Act,1900.	The project is not covered under PLPA, 1900.															
8.	If the project falls within 10 km of eco-sensitive area/ National park/Wild Life Sanctuary. If yes, a.Name of eco-sensitive area/ National park/Wild Life Sanctuary and distance from the project site. b. Status of clearance from the National Board for Wild Life (NBWL).	City Bird Sanctuary – 8.75 KM – ENE Direction The Eco-sensitive Zone varies from 80 to 125 meters from the City Bird Sanctuary comprising an area of 12.0 hectares approximately Not Required															

9.	Classification/Land use pattern as per Master Plan	Residential zone as per the Master plan of SAS Nagar.			
10.	Cost of the project	Rs. 233 Crores			
11.	Total Plot Area, Built-up Area, and Green area	The details of the project are as under:			
		S.No.	Description	Area	
		1.	Plot area (Total scheme area)	74,826.2565 (or 18.49 acres)	
		2.	Built-up area	2,70,219.699m ²	
		3.	Green area	18,764.346 m ²	
12.	Population (when fully operational)	Estimated population: 12,180 Persons.			
		Residents	6905		
		Visitors	690		
		Staff	110		
		Community Building:			
		Visitors	4351		
		Convenient Shopping:			
		Visitors	124		
13.	Water Requirements & source in Construction Phase	Breakup of Water Requirements & source in Operation Phase (Summer, Rainy, Winter):			
		The total water requirement for the project after expansion will be 1139 KLD; out of which freshwater requirement will be 680 KLD. Break-up of the same is given below:			
		Sr. No.	Description	Existing water demand (KLD)	Water demand after expansion (KLD)
		1.	Total water demand	725	1139
		2.	Wastewater demand	580	885
		Water requirement			
		Sr. No.	Description	Quantity (KLD)	Source of water
		1.	Domestic water demand	650	GMADA
		2.	Make-up water demand for Swimming Pool	30	GMADA
		3.	Flushing purposes	365	GMADA's STP
		4 (a)	Green area water demand (Summer Season)	94	GMADA's STP
		4 (b)	Green area water	34	GMADA's STP

			demand (Winter Season)														
		4 (c)	Green area water demand (Rainy Season)	10	GMADA's STP												
14.	Breakup of Water Requirements & source in Operation Phase (Summer, Rainy, Winter):																
	S.No.	Season	Freshwater		Reuse water		Total (KLD)										
			Domestic (KLD)	Others	Flushing (KLD)	Green area (KLD)		HVAC (KLD)									
	1.	Summer	680	-	365	94	-	1139									
	2.	Winter	680	-	365	34	-	1079									
	3.	Rainy	680	-	365	10	-	1055									
	S.No.	Description		Source of water													
	1.	Domestic		GMADA													
	2.	Others		-													
	3.	Flushing purposes		Treated waste water													
	4.	Green area		Treated waste water													
	5.	HVAC		-													
15.	Treatment & Disposal arrangements of waste water in Construction Phase	Wastewater generated will be treated in the STP of GMADA.															
16.	Disposal Arrangement of Waste water in Operation Phase	<p>A total of 885 KLD wastewater will be generated, which will be discharged into GMADA sewer and the same will be treated in STP of GMADA.</p> <p>The details of treated waste water collected from STP of GMADA for flushing and horticulture purpose is as under:-</p> <table border="1"> <thead> <tr> <th>Season</th> <th>Flushing (KLD)</th> <th>Green area (KLD)</th> </tr> </thead> <tbody> <tr> <td>Summer</td> <td>365</td> <td>94</td> </tr> <tr> <td>Winter</td> <td>365</td> <td>34</td> </tr> <tr> <td>Monsoon</td> <td>365</td> <td>10</td> </tr> </tbody> </table>				Season	Flushing (KLD)	Green area (KLD)	Summer	365	94	Winter	365	34	Monsoon	365	10
Season	Flushing (KLD)	Green area (KLD)															
Summer	365	94															
Winter	365	34															
Monsoon	365	10															
17.	Rain water recharging detail	2,047.5 m ³ /hr rain water will be collected in 11 no. of Rain water recharging pits.															
18.	Solid waste generation and its disposal	<p>a) 4,256 kg/day</p> <p>b) Solid wastes will be appropriately segregated (at source by providing bins) into recyclable, Bio-degradable Components and non-biodegradable.</p> <p>c) Separate areas will be earmarked for the segregation of solid waste.</p>															

		<p>d) Bio-degradable waste will be composted by the use of Organic Waste Converter. e)Recyclable waste will be sold to recyclers.</p>																		
19.	Hazardous Waste & E-Waste	<p>Used oil from DG sets will be stored in HDPE drums in the isolated covered facility and will be disposed of as per the Hazardous Waste (Management & Transboundary Movement) Rules, 2016.E-waste will be disposed off as per the E-waste (Management) Amendment Rules2018.</p>																		
20.	Energy Requirements & Saving	<p>The details of the energy are given below and the source will be PSPCL.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">S. No.</th> <th style="width: 30%;">Description</th> <th style="width: 20%;">Existing</th> <th style="width: 20%;">After expansion</th> <th style="width: 20%;">Total (Existing + Expansion)</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Power load</td> <td>5550 kVA</td> <td>2313.12 kVA</td> <td>7863.12 kVA</td> </tr> <tr> <td>2.</td> <td>D.G sets</td> <td>3 DG sets (1* 500 kVA+1 *1000 KVA +1*1500 kVA)</td> <td>3 DG sets (1*500 kVA+ 2*1000 kVA)</td> <td>6 DG sets of combined capacity 5500 kVA(3*1000 kVA + 1*1500 kVA + 2*500 kVA)</td> </tr> </tbody> </table> <p>Energy-saving measures for expansion phase: i) 23.98 % energy will be saved by the use of LEDs in place of GLS lamp. 2.64 % energy will be saved by the use of Solar power plant.</p>				S. No.	Description	Existing	After expansion	Total (Existing + Expansion)	1.	Power load	5550 kVA	2313.12 kVA	7863.12 kVA	2.	D.G sets	3 DG sets (1* 500 kVA+1 *1000 KVA +1*1500 kVA)	3 DG sets (1*500 kVA+ 2*1000 kVA)	6 DG sets of combined capacity 5500 kVA(3*1000 kVA + 1*1500 kVA + 2*500 kVA)
S. No.	Description	Existing	After expansion	Total (Existing + Expansion)																
1.	Power load	5550 kVA	2313.12 kVA	7863.12 kVA																
2.	D.G sets	3 DG sets (1* 500 kVA+1 *1000 KVA +1*1500 kVA)	3 DG sets (1*500 kVA+ 2*1000 kVA)	6 DG sets of combined capacity 5500 kVA(3*1000 kVA + 1*1500 kVA + 2*500 kVA)																
21.	Environment Management Plan along with Budgetary break-up phase-wise and responsibility to implement	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Description</th> <th style="width: 15%;">Capital cost (lakhs)</th> <th style="width: 15%;">Recurring cost (lakhs)</th> <th style="width: 30%;">Monitoring of Air, Noise, water (per annum) (lakhs)</th> </tr> </thead> <tbody> <tr> <td>Construction</td> <td>30.5</td> <td>7.62</td> <td>7.0</td> </tr> <tr> <td>Operation</td> <td>68.0</td> <td>27.7</td> <td>9.0</td> </tr> </tbody> </table>				Description	Capital cost (lakhs)	Recurring cost (lakhs)	Monitoring of Air, Noise, water (per annum) (lakhs)	Construction	30.5	7.62	7.0	Operation	68.0	27.7	9.0			
Description	Capital cost (lakhs)	Recurring cost (lakhs)	Monitoring of Air, Noise, water (per annum) (lakhs)																	
Construction	30.5	7.62	7.0																	
Operation	68.0	27.7	9.0																	
22.	<p>CER activities along with budgetary break-up and responsibility to implement</p> <p>Sandeep Sehgal (VP-Project) of the promoter company will be responsible for the implementation CER Activities. An amount of Rs. 174.75 Lacs [@ 0.75 % of total project cost for Expansion] will be earmarked under Corporate Environment Responsibility (CER) for the following activities:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">S.No.</th> <th style="width: 30%;">CER Activities</th> <th style="width: 40%;">Year-wise Implementation budget in Lacs (INR)</th> <th style="width: 20%;">Total budget in</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>				S.No.	CER Activities	Year-wise Implementation budget in Lacs (INR)	Total budget in												
S.No.	CER Activities	Year-wise Implementation budget in Lacs (INR)	Total budget in																	

		1 st year	2 nd year	3 rd year	Lacs (INR)
	• Electrification	6.99	15.73	19.22	41.94
	• Rain water Harvesting	1.75	3.48	5.24	10.47
	• Avenue Plantation	13.98	18.35	26.22	58.55
	• Drinking Water Supply	6.99	11.36	13.11	31.46
	• Sanitation & Health Education	8.74	12.23	11.36	32.33
		Total			174.75

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

Sr. No.	Observations	Reply submitted by the project proponent and his Environmental Consultant
i)	What is the proposal for the project proponent for installing the STP?	<p>The project proponent informed that allotment letter indicates that water & sewerage connection will be provided by GMADA.</p> <p>GMADA shall provide domestic water connection and the tertiary effluent to the allottee for use in flushing & gardening purposes.</p> <p>The allottee shall be entitled to the sewer & stormwater connection in the main sewer & storm network developed by GMADA.</p> <p>Thus, the project proponent is not required to install its own STP.</p>
ii)	The project proponent is required to submit revised no. of rainwater harvesting pits along with calculations of the same.	The project proponent submitted the revised calculations for the collection of the rain water harvesting pits, which was taken on record by the SEAC. As per the said calculations, total Runoff in Cum/hr is 1487279.66, and a total of 19 pits will be provided by the project proponent.
iii)	Submit Revised CER as per OM dated 01.05.2018	Revised CER submitted by the project proponent is as under: -
S.No.	CER Activities	Year-wise implementation budget in Lacs (INR)

	1 st year	2 nd year	3 rd year	4 th year	5 th year	Fund allocated
Electrification	3.75	3.75	3.75	3.74	3.74	18.73
Rain water Harvesting	2.09	2.09	2.09	2.09	2.09	10.47
Avenue Plantation	4.05	4.05	4.05	4.05	4.05	20.25
Drinking Water Supply	2.00	2.00	2.00	2.00	2.00	10.00
Sanitation & Health Education	3.06	3.06	3.06	3.06	3.06	15.30
Development of 4 ponds in nearby villages		25.0	25.0	25.0	25.0	100.0
Total	14.95	34.95	34.95	34.94	34.94	174.75

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

3.0 Recommendations

After detailed deliberations, SEAC decided to award 'Silver Grading' to the project proposal and to forward the application of the project proponent to SEIAA with the recommendations to grant Environmental Clearance for expansion of the project namely "Hero Homes" having built-up area 2,70,219.69 sqm (after Expansion) in a total land area of 74826.2565 sqm located at Sector 88, SAS Nagar, Mohali (Punjab), as per the details mentioned in the Form 1, 1A, EMP & subsequent presentation /clarifications made by the project proponent and his consultant with, proposed measures, conditions prescribed in Annexure-I of the proceedings of SEAC subject to following additions amendments and deletions and special conditions given as under:-

Conditions to be added in the Annexure-I as under :

Condition no. xxiv) of III. Water quality monitoring and preservation

- xxiv) The wastewater generated from swimming pool(s) shall not be discharged and the same shall be reused within the premises for purposes such as horticulture, HVAC, etc.

Conditions to be amended in the Annexure-I as under: -

Condition no. iv), v-a) & xv) of III. Water quality monitoring and preservation

- iv) The total water requirement for the project will be 1139 KL/day, out of which fresh water demand of 680 KL /day shall be met through GMADA supply and remaining through recycling of treated waste water from the STP of GMADA. Total fresh water use shall not exceed the proposed requirement as provided in the project details.
- v) a)The total wastewater generation from the project will be 885 KL/day, which will be treated in STP provided by GMADA outside the project premises. As proposed, reuse of treated wastewater obtained from GMADA STP shall be as under:-

Sr. No.	Season	For Flushing purposes (KLD)	Green Area (KLD)
1.	Summer	365	94
2.	Winter	365	34
3.	Rainy	365	10

- xxv) The CGWA provisions on rain water harvesting should be followed. A rain water harvesting plan needs to be designed where the recharge bores of minimum one recharge bore per 5,000 square meters of built-up area and storage capacity of minimum one day of total fresh water requirement shall be provided. In areas where ground water recharge is not feasible, the rain water should be harvested and stored for reuse. As per the proposal submitted by the project proponent 19 no. rain water harvesting recharge pits /storage tanks shall be provided for ground water recharging as per the CGWB norms. The ground water shall not be withdrawn without approval from the Competent Authority.

X. Condition no. i) & iv) of X Corporate Environment Responsibility

- i) The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility. The project proponent shall adhere to the commitments made in the proposal for CER activities for spending at least a minimum amount of Rs.174.75 Lacs [@ 0.75% of total project cost for expansion towards following CER activities. The details are given below: -

S. No	CER Activities	Year-wise implementation budget in Lacs (INR)					Fund allocated (Lakhs)
		1 st year	2 nd year	3 rd year	4 th year	5 th year	

i)	Electrification	3.75	3.75	3.75	3.74	3.74	18.73
ii)	Rain water Harvesting	2.09	2.09	2.09	2.09	2.09	10.47
iii)	Avenue Plantation	4.05	4.05	4.05	4.05	4.05	20.25
iv)	Drinking Water Supply	2.00	2.00	2.00	2.00	2.00	10.00
v)	Sanitation & Health Education	3.06	3.06	3.06	3.06	3.06	15.30
vi)	Development of 4 ponds in nearby villages	-	25.0	25.0	25.0	25.0	100.0
	Total	14.95	34.95	34.95	34.94	34.94	174.75

- iv) Action plan for implementing EMP and environmental conditions along with the responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year-wise funds earmarked for environmental protection measures shall be kept in separate accounts and not to be diverted for any other purpose. The project proponent shall spend the minimum amount of Rs 30.5 Lacs towards the capital cost and Rs 14.62 Lacs/annum towards recurring cost in the construction phase of the project including the environmental monitoring cost and shall spend the minimum amount of Rs 68.0 Lacs/annum towards the capital cost and Rs 36.7 lacs/year towards recurring cost in operation phase of the project including the environmental monitoring cost. The entire cost of the environmental management plan will continue to be borne by the project proponent until the responsibility of the environmental management plan is transferred to the occupier/residents society under proper MOU under intimation to SEIAA, Punjab. Year-wise progress of implementation of the action plan shall be reported to the Ministry/Regional Office along with the Six-monthly Compliance Report.

4.0 Deliberations during 163rd meeting of SEIAA held on 29.05.2020

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

- i) Sh.Sandeep Sehgal, V.P. (Projects) on behalf of the promoter company.
- ii) Ms. Sadhna Singh, M/s GRC India Pvt. Ltd.

Before allowing the presentation, SEIAA queried the project proponent regarding the compliance of additional TOR no 2 and requirement of installation of adequate & appropriate individual sewage treatment plant as it is mandatory as per the direction passed by the Hon'ble NGT on 24.07.2017 in CA No. 199 of 2014 titled as Almitra H. Patel & Anr. Vs. Union of India & Ors. & Kudrat Sandhu Vs. Govt. of NCT & Ors and office

order no. 315 dated 05.07.2018 issued by Punjab Pollution Control Board. The relevant part of the both the orders is reproduced as under:-

i) Order passed by Hon'ble NGT on 24.04.2017

"Therefore, we hereby direct that no plans for the building of constitution over 10,000 Sqm area which will cover for construction of any commercial, industrial and even residential area would be sanctioned by any legal authority in the entire country unless such sanction plan duly provided for setting up of an STP which shall bring sewage and domestic discharge within the prescribed parameters. "

ii) Order passed by Punjab Pollution Control Board on 05.07.2018

- a) If the residential colony/commercial complex/construction project is proposed to be established within the municipal limits of a City/Town of the State and it proposes to discharge its entire sewage into the municipal sewer, then the promoter of the residential colony shall install adequate and appropriate individual sewage treatment plant. The project proponent shall make arrangements to re-use the treated effluent for flushing purposes and/or for watering of green areas in the project premises. Only the surplus treated wastewater shall be discharged into the MC sewer.
- b) If the residential colony/commercial complex/construction project is proposed to be established outside the municipal limits of a City/Town of the State or jurisdiction of any other development authority, then the individual colonizer shall provide adequate and appropriate STP to treat its wastewater and shall make arrangements to reuse the treated wastewater for flushing purposes and to discharge the remaining treated effluent onto land for plantation/irrigation purposes.

In response, the project proponent replied as under:-

- i) The site no. 1 for GH was allotted to M/s Hero Realty Pvt. Ltd. through an auction process as a developed land parcel of 18.49 acres vide letter no. 31342 dated 03 .08.2015 for a total consideration of Rs.181.00 crores including all developmental charges.
- ii) They had paid all the dues to GMADA towards the cost of the land parcel which includes all the development charges for the necessary external infra required to be developed by GMADA.
- iii) As per the allotment condition no v and sub condition xi & xii, GMADA shall provide the tertiary treated effluent to the allottee for use in the flushing and gardening purposes. Also, the allottee shall be entitled for sewer and stormwater connection in the main sewer and storm network developed by GMADA.

- iv) They did not need to develop STP within their premises because all costs towards setting up individual STP were inbuilt in the cost of the said plot.
- v) As submitted, they had already paid all necessary dues to GMADA and now they are not in a position for any further expenditure towards infra development i.e. installation of STP.
- vi) It is requested to consider their request & recommendation of SEAC and grant environmental clearance for the expansion of the group housing project "HERO HOMES "at sector-88, SAS Nagar, Mohali.

A copy of the reply submitted by the project proponent was taken on record by SEIAA.

SEIAA was not satisfied with the reply of the project proponent in view of directions passed by Hon'ble NGT in OA no. 199 of 2014 titled as Almitra H. Patel & Anr. Vs. Union of India & Ors. & Kudrat Sandhu Vs. Govt. of NCT & Ors, on 24.04.2017, order passed by Punjab Pollution Control Board on 05.07.2018 and compliance of Additional TOR no 2.

After detailed deliberations, SEIAA decided to remand the case to SEAC for examining the above issue in the light of aforesaid observations.

5.0 Deliberations 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. SEAC went through the observations forwarded by the SEIAA in its 163rd meeting held on 29.05.2020.

Committee perused that the observations of SEIAA are relating to the requirement of installation of STP by the project proponent in light of direction passed by the Hon'ble NGT on 24.07.2017 in CA No. 199 of 2014 titled as Almitra H. Patel & Anr. Vs. Union of India & Ors. & Kudrat Sandhu Vs. Govt. of NCT & Ors and PPCB office order no. 315 dated 05.07.2018.

SEAC also perused the allotment letter issued by GMADA to the project proponent vide Memo No. 31342 dated 03.08.2015. The Committee observed that the relevant condition imposed therein as under:

- i) GMADA shall provide domestic water connection and the tertiary treated effluent to the allottee or use in flushing & gardening purposes. The allottee shall ensure the installation of Dual piping system in the apartments for this purpose subject to inspection by JE before issuance of Occupation Certificate.
- ii) The allottee shall be entitled for the Sewer & storm water connection in the main Sewer and Storm network developed by GMADA.

Further, GMADA was granted Environmental Clearance vide letter no. SEIAA/2016/ 3404 dated 27.09.2016 for area development project in Sector- 88, 89, SAS Nagar, Distt.

Mohali in an area of 15,90,414.574 sqm (393 acres) and having built-up area as 3,75,255.36 sqm in Sector- 88,89 Distt. SAS Nagar (Mohali), Punjab, subject to one of the conditions that the total wastewater generation from the project (3.68 MLD) will be treated in STP of capacity 10 MLD.

The proposed project of "Hero Homes" is now part of that GMADA project for which the waste water generation and treatment had already been considered and approved at the time of granting the Environmental Clearance to the GMADA Project. Therefore, the need for providing separate STP by "Hero Homes" and then putting the treated waste water into the GMADA sewer carrying untreated waste water does not seem to be justified.

Hon'ble NGT vide order dated 24.04.2017 emphasized the provision of setting up of an STP for the building of the constitution over 10,000 Sqm area. GMADA will treat the wastewater generated from the Group Housing Project namely "Hero Homes" and supply the tertiary treated wastewater for flushing & gardening purposes. Thus, the order of the NGT has been complied with.

SEAC was the view of that PPCB order No 2728 dated 12.04.2019 is not binding on it as the objective of treating the wastewater and reusing the same to the maximum extent has been achieved.

6.0 Recommendation of SEAC

After detailed deliberations, SEAC decided that the case may be forwarded to SEIAA with the same recommendations as proposed earlier in its 187th meeting held on 26.02.2020.

7.0 Deliberations during the 167th meeting of SEIAA held on 31.07.2020.

The case was considered by SEIAA in its 167th meeting held on 31.07.2020. SEIAA perused the recommendations of SEAC in this case. SEIAA observed as under:

- 1) GMADA vide its memo no. 31342 dated 03.08.2015 agreed for the following:
 - (i) GMADA shall provide domestic water connection and the tertiary treated effluent to the allottee for use in flushing & gardening purposes. The allottee shall ensure the installation of Dual piping system in the apartments for this purpose subject to inspection by JE before issuance of Occupation Certificate.
 - (ii) The allottee shall be entitled for the Sewer & Storm water connection in the main Sewer & Storm network developed by GMADA.
- 2) Hon'ble NGT vide order dated 24.04.2017 directed that no plans for building of constitution over 10,000 sqm area which will cover for construction of any commercial, industrial and even residential area would be sanctioned by any legal authority in the entire country unless such sanction plan duly provided for setting up of an STP which shall bring sewage and domestic discharge within the prescribed parameters.

Thus, Hon'ble NGT has made the provision of setting up of an STP for the building of constitution over 10,000 Sqm area mandatory. The area of the project is 74,826 sqm (18.49 acres) which is more than a 10,000 sqm area. Hence, granting EC to the project in the absence of STP will be violation of the Hon'ble NGT orders.

During the meeting, Sh. Davinder Singh, SE, GMADA was contacted telephonically on 98159-14200 to know the construction status of STP of capacity 10 MLD to be installed for sector 88-89 SAS Nagar, District Mohali. To this, he replied as on date, no STP has been installed by the GMADA in sector 88-89 of Mohali.

Thereafter, Sh. Sandeep Sehgal, Vice president of the 'Hero Homes' Project was contacted on 98738-3937. SEIAA informed him as under: -

- a) GMADA has not so far installed any STP for sector 88-89. Therefore, at present there is no STP to treat effluents to be generated from the project i.e. "Hero Homes".
- b) Recommendations of SEAC regarding grant of Environmental Clearance to the project without proposing individual STP are not acceptable to SEIAA, as at present there is no STP of GMADA available for the treatment of effluents to be generated from the project. Therefore, granting EC to Hero Homes without the provision of STP will be against the spirit of orders dated 24.04.2017 of Hon'ble NGT.

SEIAA asked the project proponent to submit the proposal for the installation of individual STP for the treatment of wastewater generated from their project in compliance with the NGT order dated 24.04.2017 & PPCB order dated 12.04.2019. He reiterated his stand taken in their letter dated 29.05.2020 as under:

- (i) GMADA shall provide domestic water connection and the tertiary treated effluent to the allottee for use in flushing & gardening purposes. The allottee shall ensure the installation of Dual piping system in the apartments for this purpose subject to inspection by JE before issuance of Occupation Certificate.
- (ii) The allottee shall be entitled for the Sewer & Storm water connection in the main Sewer & Storm network developed by GMADA.

As such, individual STP was not required to be installed for the project as the project proponent would use the infrastructure developed by GMADA.

SEIAA was not satisfied with the reply of project proponent due to the reason mentioned above at a) to b).

After detailed deliberations, SEIAA decided not to accept the above recommendation of SEAC and to direct the Hero Homes to submit their revised plan with the provision of their own STP in the project in compliance with Hon'ble NGT orders within one month otherwise their application for grant of EC will be rejected

Item No. 167.06: 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).

SEIAA observed as under:-

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 the 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 a satisfactory reply of various observations raised in the meeting held on 11.07.2019 & 26.02.2020. Accordingly, the 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 the 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	<p>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.</p> <p>Further, rain water storage tank of capacity 1000 KL has already been constructed.</p> <p>Except for rainy days, Water demand of 522 KLD will be fulfilled by PSIEC supply water.</p> <p>The water Balance for summer/winter season and monsoon season was submitted in Annexure-2 of the reply.</p>
3	Re-examine the capacity of the boiler as presently. SEAC sought clarification regarding the boiler test report submitted on the name of the	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 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

Sr. No	Observation made during meeting 26.02.2020	Reply submitted by Project Proponent on 02.06.2020
	customer i.e. Aeon India Cooperation Pvt. Ltd.	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- TarnTaran, 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: <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>31 21 42.10 N</td><td>75 7 57.60 E</td></tr> <tr><td>31 21 47.10 N</td><td>75 7 50.00 E</td></tr> <tr><td>31 21 45.50 N</td><td>75 7 48.60 E</td></tr> <tr><td>31 21 42.30 N</td><td>75 7 45.80 E</td></tr> <tr><td>31 21 36.10 N</td><td>75 7 40.40 E</td></tr> <tr><td>31 21 35.90 N</td><td>75 7 40.20 E</td></tr> <tr><td>31 21 40.30 N</td><td>75 7 33.20 E</td></tr> <tr><td>31 21 40.70 N</td><td>75 7 32.80 E</td></tr> <tr><td>31 21 39.70 N</td><td>75 7 32.80 E</td></tr> <tr><td>31 21 35.20 N</td><td>75 7 39.70 E</td></tr> <tr><td>31 21 33.00 N</td><td>75 7 37.60 E</td></tr> <tr><td>31 21 28.10 N</td><td>75 7 45.70 E</td></tr> <tr><td>31 21 34.30 N</td><td>75 7 50.30 E</td></tr> </table>				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																																																																																																																
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	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">Sr. No.</th> <th style="width: 20%;">Chemical</th> <th style="width: 10%;">State</th> <th style="width: 15%;">Storage means</th> <th style="width: 20%;">Size of storage means</th> <th style="width: 15%;">Consumption (MT/Mon)</th> </tr> </thead> <tbody> <tr> <td colspan="6" style="text-align: center;">Product: Water based paint</td> </tr> <tr> <td>1</td> <td>Additives</td> <td>Powder & Liquid</td> <td>Bag, barrel & Carboy</td> <td>Bag: 25 kg Barrel: 200 litres Carboy: 25 Litres</td> <td>310</td> </tr> <tr> <td>2</td> <td>Biocides</td> <td>Powder & Liquid</td> <td>Bag, barrel & Carboy</td> <td>Bag: 25 kg Barrel: 200 litres Carboy: 25 Litres</td> <td>162</td> </tr> <tr> <td>3</td> <td>Driers</td> <td>Liquid</td> <td>Barrel</td> <td>200 Litres</td> <td>3</td> </tr> <tr> <td>4</td> <td>Emulsion</td> <td>Liquid</td> <td>Barrel, Carboy, Storage Tank</td> <td>Barrel: 200 litres Carboy: 25 Litres Storage Tank: 30 KL</td> <td>2850</td> </tr> <tr> <td>5</td> <td>Extenders</td> <td>Powder</td> <td>Bag</td> <td>25 Kg</td> <td>4073</td> </tr> <tr> <td>6</td> <td>Pigments</td> <td>Solid, Liquid, Paste</td> <td>Bag, Carboy</td> <td>Bag: 25 Kg Carboy: 25 Kg</td> <td>383</td> </tr> <tr> <td>7</td> <td>Liquor ammonia</td> <td>Liquid</td> <td>Carboy</td> <td>Carboy: 25 Litre</td> <td>27</td> </tr> <tr> <td>8</td> <td>Chemicals</td> <td>Powder, Solid</td> <td>Bag</td> <td>25 Kg</td> <td>112</td> </tr> <tr> <td>9</td> <td>TiO2</td> <td>Powder</td> <td>Bag</td> <td>25 Kg</td> <td>725</td> </tr> <tr> <td>10</td> <td>Water</td> <td>Liquid</td> <td>Storage Tank</td> <td>60 KL</td> <td>5650</td> </tr> <tr> <td colspan="6" style="text-align: center;">Products: Powder coating paint</td> </tr> <tr> <td>11</td> <td>Additive</td> <td>Solid</td> <td>Bag</td> <td>25 Kg</td> <td>22</td> </tr> <tr> <td>12</td> <td>Catalyst</td> <td>Solid</td> <td>Bag</td> <td>25 Kg</td> <td>0.5</td> </tr> <tr> <td>13</td> <td>Extender</td> <td>Solid</td> <td>Bag</td> <td>25 Kg</td> <td>444</td> </tr> <tr> <td>14</td> <td>Hardener</td> <td>Solid</td> <td>Bag</td> <td>25 Kg</td> <td>7</td> </tr> <tr> <td>15</td> <td>Metallic Pigment</td> <td>Solid</td> <td>Bag</td> <td>25 Kg</td> <td>0.2</td> </tr> <tr> <td>16</td> <td>Pigment</td> <td>Solid</td> <td>Bag</td> <td>25 Kg</td> <td>99</td> </tr> <tr> <td>17</td> <td>Resin</td> <td>Liquid, Solid</td> <td>Barrel, Bag</td> <td>200Liter, 25 Kg</td> <td>650</td> </tr> <tr> <td>18</td> <td>Wax</td> <td>Solid</td> <td>Bag</td> <td>25 Kg</td> <td>3</td> </tr> <tr> <td colspan="6" style="text-align: center;">Products: Emulsion</td> </tr> <tr> <td>19</td> <td>Additive</td> <td>Powder</td> <td>Bag</td> <td>20 Kg</td> <td>4.7</td> </tr> </tbody> </table>				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
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		<p>Total Water Demand: 522 KLD</p> <p>i) Existing water requirement: 370 KLD</p> <p>ii) Proposed water requirement: 152 KLD</p> <p>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.</p>			
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)
	i)	ETP sludge	95 Tons
	ii)	Used/spent oil	6 Tons
	iii)	Oil/grease scheming residue	3 Tons
	iv)	Process waste/residue/sludge	100 Tons
	v)	Distillation sludge	130 Tons
	vi)	Contaminated cotton waste/liner	15 Tons
	vii)	Filler residue	30 Tons
	viii)	Discarded containers/Bags, barrel liners	197920 Nos
	ix)	MEE Salt	51 Tons
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 1 st 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.	<p>Revised CER Activities</p> <p>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:</p> <table border="1"> <thead> <tr> <th rowspan="2">S. No.</th> <th rowspan="2">Proposed Activity</th> <th colspan="5">Amount (Rs. In Lakhs per year)</th> <th rowspan="2">Total Amount</th> </tr> <tr> <th>1st year</th> <th>2nd year</th> <th>3rd year</th> <th>4th year</th> <th>5th year</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Educational Activities</td> <td>20</td> <td>-</td> <td>20</td> <td>10</td> <td>20</td> <td>70</td> </tr> <tr> <td>2</td> <td>Medical & Health Facilities</td> <td>10</td> <td>10</td> <td>10</td> <td>15</td> <td>10</td> <td>55</td> </tr> <tr> <td>3</td> <td>Safe Drinking Water</td> <td>5</td> <td>4</td> <td>4</td> <td>3</td> <td>4</td> <td>20</td> </tr> <tr> <td>4</td> <td>Infrastructure Facilities</td> <td>15</td> <td>-</td> <td>20</td> <td>25</td> <td>20</td> <td>80</td> </tr> <tr> <td>5</td> <td>Tree Plantation</td> <td>4</td> <td>-</td> <td>1</td> <td>1</td> <td>-</td> <td>6</td> </tr> <tr> <td>6</td> <td>Rain Water Harvesting/Recharge</td> <td>-</td> <td>40</td> <td>2</td> <td>2</td> <td>2</td> <td>46</td> </tr> <tr> <td>*</td> <td>Total Amount per Year</td> <td>54</td> <td>54</td> <td>57</td> <td>56</td> <td>56</td> <td>277</td> </tr> </tbody> </table>		S. No.	Proposed Activity	Amount (Rs. In Lakhs per year)					Total Amount	1 st year	2 nd year	3 rd year	4 th year	5 th year	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
S. No.	Proposed Activity	Amount (Rs. In Lakhs per year)					Total Amount																																																																
		1 st year	2 nd year	3 rd year	4 th year	5 th year																																																																	
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.	<p>Greenbelt Development plan:</p> <p>Greenbelt development will be carried out by planting suitable local species over an area of 46920m² (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 m² and approximately 1700 trees will be planted. On the remaining area (along internal roads) of 5336 m² approximately 800 trees are proposed.</p> <p>Greenbelt around the project site will be developed with in initial three years and detailed budget break-up is given in table below.</p> <table border="1"> <thead> <tr> <th rowspan="2">Sr. No</th> <th rowspan="2">Work or Activity</th> <th rowspan="2">1st year</th> <th rowspan="2">2nd year</th> <th rowspan="2">3rd year</th> <th colspan="2">Budget (INR)</th> </tr> <tr> <th>Capital cost</th> <th>Recurring cost/year (considering 20% mortality rate)</th> </tr> </thead> <tbody> <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></td> <td>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" style="text-align: center;">Total Budget</td> <td>6,24,750</td> <td>1,00,000</td> </tr> </tbody> </table>		Sr. No	Work or Activity	1 st year	2 nd year	3 rd year	Budget (INR)		Capital cost	Recurring cost/year (considering 20% mortality rate)		Saplings Required	833	833	833	6,24,750	1,00,000		Amount	2,08,250	2,08,250	2,08,250			Total Budget					6,24,750	1,00,000																																							
Sr. No	Work or Activity	1 st year						2 nd year	3 rd year	Budget (INR)																																																													
			Capital cost	Recurring cost/year (considering 20% mortality rate)																																																																			
	Saplings Required	833	833	833	6,24,750	1,00,000																																																																	
	Amount	2,08,250	2,08,250	2,08,250																																																																			
Total Budget					6,24,750	1,00,000																																																																	

	Note: Plantation at the periphery and internal road side of the Project will be carried up to three years. 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, 1980, 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 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.
- 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. PM₁₀ and PM_{2.5} in reference to PM emission, and SO₂ and NO_x in reference to SO₂ and NO_x emissions) within and outside the plant area at least at four locations (one within and three outside the plant area at an angle of 120° each), covering upwind and downwind directions.
- iv. 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 vision 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, 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. Firefighting 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)					
		1 st year	2 nd year	3 rd year	4 th year	5 th 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 & 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

	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, SO₂, NO_x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.
- v. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the Ministry of Environment, Forest and Climate Change at environment clearance portal.
- vi. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.

- vii. The project proponent shall inform the Regional Office of the Ministry and PPCB, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
- viii. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
- ix. The project proponent shall abide by all the commitments and recommendations made in the EIA /EMP report, commitment made during Public Hearing and also that during their presentation to the SEAC and SEIAA.
- x. No further expansion or modifications in the plant/project shall be carried out without prior approval of SEIAA, Punjab.
- 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/SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
- xiii. The Ministry/SEIAA 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.

4.0 Deliberations during the 167th meeting of SEIAA held on 31.07.2020.

The case was placed in the 167th meeting of SEIAA held on 31.07.2020, which was attended by the following through Video Conference:

- i) Sh. Indernath Chaterjee, Corporate Head, M/s Kansai Nerolacs Paints
- ii) Mr. Sameer Kadam & Ms. Meetali from M/s Kadam Environmental Consultants Ltd, Environment Consultant of the promoter company

Environmental Consultant presented the salient features of the project. A copy of the presentation was taken on record by SEIAA. During the meeting, SEIAA made certain observations to which project proponent replied as under:

Sr. No.	Observations	Reply
1.	Please inform the validity of certificate of accreditation from NABET	Environmental Consultant informed that NABET has issued certificate of accreditation having no. NABET/EIA/1922/RA0138 on 05.08.2019 to M/s Karam Environmental Consultant, which is valid up to 21.05.2022.
2.	Whether any VOC emissions will be generated from the manufacturing process.	No VOC emissions will be generated from the manufacturing process as pipes/close vessels are used in the manufacturing process.
3.	Whether ZLD technology will be adopted and how the RO reject water will be utilized	Yes, ZLD technology will be adopted. 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.
4.	What is the source of water to meet with the demand for gardening purposes	Treated waste water from the STP will be used to meet the requirement for gardening purposes.
5.	What is the source of water to meet with the demand of the project other than gardening purposes.	The project proponent submitted that water will be taken from the PSIEC to meet the requirement of existing as well as expansion part of the project @ 892 KLD (370+522) for which NOC has been obtained from PSIEC vide letter no. 4243 dated 01.06.2020.

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

During discussions, representative of the promoter company agreed to comply with all the conditions as mentioned by SEAC.

SEIAA observed that the case stands recommended by SEAC and the Committee has awarded 'Silver Grading' to the project proposal. The SEIAA looked into the detail of the

case and was satisfied with the same.

After detailed deliberations, SEIAA decided to accept the recommendations of SEAC and 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 aforesaid salient features and conditions proposed by the SEAC and the following additional condition:

- (i) The project proponent shall take the water requirement @ 892 KLD from the PSIEC to meet with the requirement of existing as well as expansion part of the project for which NOC has been obtained from PSIEC vide letter no. 4243 dated 01.06.2020.
- (ii) The project proponent shall adopt a Govt. building located near to the project site in consultation with the Deputy Commissioner for practicing Rain Water Recharging equivalent to 1999 KL as per the CGWA guidelines.

Item No.167.07: 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)

SEIAA observed as under: -

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 Establishment	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, certain additional points required to be taken care of while preparing the 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 the 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.

The 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 the 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.	Observation	Reply
1.	APCD to be provided for both induction furnaces and rolling mill. Project cost to be revised based on cost of APCD	<p>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.</p> <p>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 reheating furnace in the unit. Thus, there will be no requirement of APCD for rolling mill.</p> <p>Further, an online monitoring system will be provided for sampling at the inlet/outlet of APCD. Undertaking to this regard has been submitted.</p> <p>Submitted Revised Environment Management Plan with a revised cost of APCD as Rs. 81 lacs.</p>
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 this account.	<p>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:</p> <ol style="list-style-type: none"> 1) Existing trees: 200 nos 2) additional trees: 414 nos 3) Total trees: 614 nos <p>A copy of the layout plan mentioning the name of the species to the planted was submitted and taken</p>

		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 run 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 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.

5.	Latitude & Longitude	Corner coordinates:			
		Point	Latitude	Longitude	
		A	30°40'44.44"N	76°17'41.65"E	
		B	30°40'41.42"N	76°17'38.17"E,	
		C	30°40'40.19"N	76°17'31.79"E	
		D	30°40'43.35"N	76°17'43.88"E	
6.	Furnace Details	Capacity of IF	Existing	Proposed	Total
		Induction Furnace	1x 6 TPH (To be replaced)	1x10 TPH, 1X15TPH IF & a rolling mill	1x10 TPH, 1X15TPH IF & a rolling mill
7.	Raw Material details	Raw Material	Existing (TPA)	Additional (TPA)	Total (TPA)
		MS Scrap	29,880	85,238	1,15,118
		Ferro Alloys	250	1278	1528
8.	Product Details	Product Name	Existing (TPA)	Proposed (TPA)	Total (TPA)
		Steel Ingot/Billets	27,300	77,700	1,05,000
		Rounds, Square, TMT/MS Bars, Angles, Channel, Flats	Nil	80,000	80,000
9.	Project/activity covered under item of scheduled to the EIA Notification, 14.09.2006.	The project category is B1 under activity 3(a) as per EIA Notification, 2006.			
10.	Cost of the project	Rs. 18.42 Crores (Vide EDS reply dated 09.06.2020)			
11.	Fee details	An amount of Rs. 1,84,200/- has been submitted on 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	Industrial zone as per Master plan of Gobindgarh.			

	use pattern as per Master Plan	
--	--------------------------------	--

15.	<p>(a) In case (s) where land has already been purchased/acquired: Proof of ownership of land</p> <p>(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)</p>	Submitted.
-----	--	------------

16.	Total Plot area, Built- up Area and Green area	<p>The details of project are as under:</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Description</th> <th>Area (Sqm.)</th> </tr> </thead> <tbody> <tr> <td>Total Area</td> <td>12128.25</td> </tr> <tr> <td>Covered Area</td> <td>2774.61</td> </tr> <tr> <td>Green Area</td> <td>4095.26</td> </tr> <tr> <td>Road Area</td> <td>3478.43</td> </tr> <tr> <td>Parking Area</td> <td>434.94</td> </tr> <tr> <td>Open Area</td> <td>1344.98</td> </tr> </tbody> </table>	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
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.	<p>Breakup of Water Requirements & source in Operation Phase (Summer, Rainy, Winter):</p> <p>Total water requirement for the project after expansion will be 35 KLD; Break-up of the same is given below:</p>			
	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	<p>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.</p> <p>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.</p> <p>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.</p>															
20.	Rain water recharging detail	<p>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 43070m³ 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.</p> <p>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 runoff 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.</p>															
21.	Solid waste generation and its disposal	<p>20 TPD of slag will be generated and the same after recovering of iron will be lifted by M/s Vipam Industries.</p> <p>An agreement has been made between M/s Vipam Industries and M/s Gian castings Pvt. Ltd. for lifting of slag.</p>															
22.	Hazardous Waste &E-Waste	<p>The details of the hazardous waste generated is given below:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Sr. No.</th> <th style="width: 30%;">Hazardous Waste Category</th> <th style="width: 20%;">Quantity (After expansion)</th> <th style="width: 40%;">Disposal</th> </tr> </thead> <tbody> <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> </tbody> </table>				Sr. No.	Hazardous Waste Category	Quantity (After expansion)	Disposal	i)	Cat.35.1 – Exhaust air or Gas cleaning Residue	301.0 TPA	Sold to M/s Madhav Alloys, Fatehgarh Sahib, for recovery of metal for which agreement has been made.	ii)	Cat.5.1 – Used Oil	0.02 KL per annum	Shall be reprocessed through authorized recyclers of waste oil or used as lubricant within the industry
Sr. No.	Hazardous Waste Category	Quantity (After expansion)	Disposal														
i)	Cat.35.1 – Exhaust air or Gas cleaning Residue	301.0 TPA	Sold to M/s Madhav Alloys, Fatehgarh Sahib, for recovery of metal for which agreement has been made.														
ii)	Cat.5.1 – Used Oil	0.02 KL per annum	Shall be reprocessed through authorized recyclers of waste oil or used as lubricant within the industry														

23.	Energy Requirements & Savings	<p>The details of the energy is given below:</p> <table border="1"> <thead> <tr> <th>S. No.</th> <th>Description</th> <th>Existing</th> <th>After expansion</th> </tr> </thead> <tbody> <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> </tbody> </table> <p>Energy-saving measures: a) LEDs will be used in place of CFL b) Solar lights will be used for lighting the streets</p>				S. No.	Description	Existing	After expansion	1.	Power load	3900 KW	10,000 KW	2.	D.G sets	82.5kVA	82.5 kVA & 200 kVA																																
S. No.	Description	Existing	After expansion																																														
1.	Power load	3900 KW	10,000 KW																																														
2.	D.G sets	82.5kVA	82.5 kVA & 200 kVA																																														
24.	Revised Environment Management Plan along with Budgetary breakup phase wise and responsibility to implement	<table border="1"> <thead> <tr> <th>S.No</th> <th>Title</th> <th>Capital Cost Rs. Lakh</th> <th>Recurring Cost Rs. Lakh</th> </tr> </thead> <tbody> <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> <tr> <td>6.</td> <td>Environment Monitoring and Management</td> <td>5.0</td> <td>0.5</td> </tr> <tr> <td>7.</td> <td>Occupational Health, Safety and Risk Management</td> <td>5.0</td> <td>0.5</td> </tr> <tr> <td>8.</td> <td>RWH</td> <td>5.0</td> <td>0.5</td> </tr> <tr> <td>9.</td> <td>Miscellaneous</td> <td>5.0</td> <td>---</td> </tr> <tr> <td></td> <td>Total</td> <td>126.0</td> <td>10.0</td> </tr> </tbody> </table>				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
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																																														
25.	<p>CER activities along with budgetary break up and responsibility to implement</p> <p>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:</p>																																																

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, 1980, 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. PM₁₀ and PM_{2.5} in reference to PM emission, and SO₂ and NO_x in reference to SO₂ and NO_x emissions) within and outside the plant area (at least at four locations one within and three outside the plant area at an angle of 120° each), covering upwind and downwind directions.
- iv. The project proponent shall submit monthly summary report of continuous stack emission and air quality monitoring and results of manual stack monitoring and manual monitoring of air quality/ fugitive emissions to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.
- v. Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources.
- vi. The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.
- vii. Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, etc. regularly.
- viii. Recycle and reuse of iron ore fines, coal and coke fines, lime fines and such other fines collected in the pollution control devices and vacuum cleaning devices in the process after briquetting/ agglomeration should be ensured.
- ix. The project proponent shall use leak proof trucks/dumpers carrying coal and other raw materials and cover them with tarpaulin.
- x. The project proponent shall provide covered sheds for raw materials like scrap and sponge iron, lump ore, coke, coal, etc.
- xi. The project proponent shall provide primary and secondary fume extraction system at all melting furnaces.
- xii. Design and implementation of the ventilation system for adequate air changes as per ACGIH document for all tunnels, motor houses, Oil Cellars should be ensured.

III. Water quality monitoring and preservation

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

- ii. The project proponent shall adhere to 'Zero Liquid Discharge'.
- iii. Sewage Treatment Plant of capacity 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 m³ 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 Phytoid plants trench (designed based on the technology developed by CSIR-NEERI's) divided in different parts, the overflow of each chamber shall be allowed to enter into another chamber which will ultimately lead to 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, protected, maintained and established without accounting any 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.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, SO₂, NO_x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.

- v. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the Ministry of Environment, Forest and Climate Change at environment clearance portal.
- vi. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
- vii. The project proponent shall inform the Regional Office of the Ministry and PPCB, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
- viii. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
- ix. The project proponent shall abide by all the commitments and recommendations made in the EIA /EMP report, commitment made during Public Hearing and also that during their presentation to the State Expert Appraisal Committee and SEIAA.
- x. No further expansion or modifications in the plant shall be carried out without prior approval of SEIAA, Punjab.
- 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 purposes.
- v. The project proponent shall not abstract ground water for the use of industrial purposes and green area from existing borewell. 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.

5.0 Deliberations during 167th meeting of SEAC held on 31.07.2020

The case was placed in the 167th meeting of SEIAA held on 31.07.2020, which was attended by the following through Video Conference:

- i) Sh. Kamal Sharma, Account Manager of the promoter company.
- ii) Sh. Sital Singh, EIA coordinator, M/s CPTL, Mohali, Environmental Consultant of

the promoter company.

Environmental Consultant presented the salient features of the project. A copy of the presentation was taken on record by SEIAA.

During discussions, representative of the promoter company agreed to comply with all the conditions as mentioned by SEAC except the condition no (i) of III of Air Quality monitoring and preservation regarding the condition installation of continuous air monitoring system due to the reason that same is not economically feasible being a small unit and requested to waive off the said condition. A request letter dated 31.07.2020 submitted by the project proponent was taken on record by SEIAA.

SEIAA accepted the request of the project proponent and decided to replace the said condition with the following condition: -

"The project proponent shall make necessary arrangements for the monitoring of stack emissions and shall get its emissions analyzed from NABL accredited laboratories at least once in two months and maintain the register showing the result of various tests conducted by the industry for monitoring of stack emissions"

SEIAA observed that the case stands recommended by SEAC and the Committee has awarded 'Silver Grading' to the project proposal. The SEIAA looked into the detail of the case and was satisfied with the same.

After detailed deliberations, SEIAA decided to accept the recommendations of SEAC and 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 aforesaid salient features and conditions proposed by the SEAC with the following amendments and in the proposed condition: -

Amended condition no (i) of III of Air Quality monitoring and preservation

- (i) The project proponent shall make necessary arrangements for the monitoring of stack emissions and shall get its emissions analyzed from NABL accredited laboratories once in two months and maintain the register showing the result of various tests conducted by the industry for monitoring of stack emissions

Item No.167.08: Application for obtaining Environmental clearance under EIA notification dated 14.09.2006 for expansion in existing steel manufacturing unit having existing capacity of 36,000 TPA of Steel ingots/billets to 1,68,000 TPA by replacing existing induction furnace located at G.T. Road, Sirhind Side, Tehsil- Amloh, Mandi Gobindgarh, District- Fatehgarh Sahib, Punjab by M/s. Bansal Alloys & Metals Pvt. Ltd (Unit-1) (Proposal No. SIA/PB/IND/47266 /2018).

SEIAA observed as under: -

1.0 Background

M/s Bansal Alloys & Metals Pvt. Ltd had previously filed an online application bearing proposal No. SIA/PB/IND/29493/2018 for issuance of TORs for expansion in existing steel manufacturing unit having the existing capacity of 36,000 TPA of Steel ingots/billets to 1,68,000 TPA by replacing existing induction furnaces of 2 X 3TPH & 1 X 5TPH capacities with 2 no's of induction furnaces of capacity 20 TPH each and Concast Machine along with existing rolling mill at G.T. Road, Sirhind Side, Tehsil- Amloh, Mandi Gobindgarh, District- Fatehgarh Sahib, Punjab. The project of the promoter pertains to category 'B' and it falls under category 3(a) - Metallurgical Industries (ferrous & non-ferrous) of the Schedule appended to the said notification. The project was covered under public consultation and hence required public hearing was conducted on 10.09.2019.

1.1 Deliberations during 172nd meeting of SEAC held on 31.10.2018

The case was considered by the SEAC in its 172nd meeting held on 31.10.2018 and the same was attended by the following on behalf of the project proponent: -

- (i) Sh. Vijay Kumar, Director of the Promoter Company.
- (ii) Sh. Sital Singh, EIA Coordinator/FAE, M/s CPTL, Chandigarh, Environment consultant of the promoter company.
- (iii) Sh. R.S. Rana, FAE. M/s CPTL, Chandigarh, Environment consultant of the promoter company.

It was apprised to the SEAC that Environment Engineer, Regional Office of Punjab Pollution Control Board, Sri Fatehgarh Sahib vide email dated 30.10.2018 sent the construction status report of the project informing that the industry has not started any construction activity for the proposed expansion of the existing steel manufacturing unit having the existing capacity of 36000 TPA of steel ingots/billets to 168000 TPA of steel ingots/billets.

Further, the industry was granted NOC expansion for installing Concast plant followed by rolling mill for manufacturing of HR strips, TMT bars @ 120 TPD vide no. CTE/Ext/FGS/2018/7825628 dated 30/6/2018, which is valid up to 28/8/2019. During the visit, it was found that the industry has already installed the proposed Concast plant and is in process of installing a rolling mill for which it had obtained NOC expansion as mentioned above. During the visit, it was found that the industry has constructed a new shed for the installment of rolling mill, which was under progress as observed during the

visit. The industry is also in the process of installing 3 no. tanks as seen during the visit. The representative of the industry informed that these tanks will be used for the re-circulation of water that will be used in the proposed rolling mill. The representative of the industry certifies that no construction has been done regarding the up-gradation of its induction furnaces as applied for expansion.

Further, the industry has installed spark arrestor and cyclone followed by baghouse filter as APCD with its induction furnace of capacity 5.0 TPH and 3 TPH separately. The industry has also provided twin spark arrestor followed by baghouse filter as APCD with 2nd no. induction furnace of capacity 3 TPH. However, the industry has not upgraded its emissions collection system and APCD as per the recommendation of PSCST and accordingly has not submitted completion certificate of its containment-cum- air Pollution Control device (APCD) to control particulate emissions from their induction furnace from PSCST as per one of the special conditions mentioned in the varied consent granted to the industry. The industry was earlier granted authorization for collection, Storage, and Disposal of hazardous waste under category no. 35.1 @ 27 TPA, valid up to 30/6/2021.No issue regarding any violation/complaint made against the industry is pending with their office as such, the industry is complying with environmental laws.

To this statement of the project proponent, SEAC observed that the project proponent has not submitted details of existing rolling mill/proposed rolling mill including production details of such as MS Bars, Round, flats, TMT bars, wire rod manufactured and that of concast plant in its application form (Form-I). Thus, the application filed by the industry is not representative of vis-a-vis products to be produced / plant to be established and for which environmental clearance sought. As the application is filed online, corrections are not feasible or possible. As such, the project proponent is required to submit afresh application online mentioning the exact details of the existing product/ new products being added /proposed products in the expansion project for which TOR/ Environmental clearance is sought.

After detailed deliberations, SEAC decided to accept the request of project proponent and recommended to SEIAA as under: -

- (i) The project proponent shall withdraw the present application and file a fresh application, representative of actual products/processes for which TOR/ environmental Clearance is required.
- (ii) The project proponent through its accredited environmental consultant may start the EIA study/monitoring based on Standard Scoping / TOR including the other prevailing special TOR being imposed in case of similar units recently in Mandi Gobindgarh / adjoining areas w.e.f 01/11/2018 onwards.

In compliance with the aforesaid observation mentioned at Sr.No.(i), the project proponent has submitted fresh application bearing proposal No. SIA/PB/IND /30460/2018 for issuance of TORs for expansion in existing steel manufacturing unit having the existing capacity of 36,000 TPA of Steel ingots/billets to 1,68,000 TPA by replacing existing induction furnace of 2 X 3TPH & 5TPH capacities with 2 no's of induction furnaces of capacity 20 TPH each and Concast Machine & enhancement in the capacity of Rolling Mill for manufacturing of Flats/TMT Bars, Rounds, Channels &

Structural Steel from 36,000 TPA to 1,50,000 TPA at G.T. Road, Sirhind Side, Tehsil- Amlah, Mandi Gobindgarh, District- Fatehgarh Sahib, Punjab.

1.2 Deliberations during 174th meeting of SEAC held on 28.12.2018

The case was considered by the SEAC in its 174th meeting held on 28.12.2018 and the same was attended by the following on behalf of the project proponent: -

- (i) Sh. Pawan Kumar, General Manager of the industry.
- (ii) Sh. Sandeep Singh, FAE M/s CPTL, SAS Nagar, Environment consultant of the industry.
- (iii)

SEAC allowed the project proponent to present the salient features of the project and Environment Consultant of the project proponent presented the same as under:-

- M/s Chandigarh Pollution Testing Laboratory (CPTL) is accredited by QCI/ NABET as Category-A EIA consultancy organization and the validity of accreditation is up to 9th February 2019. The Laboratory has also been certified from ISO 9001: 2015, ISO 14001: 2015 and OHSAS 18001: 2007.
- The site is not located within 5 km radius of Protected Areas notified under the Wild Life (Protection) Act, 1972, Critically Polluted areas as notified by the Central Pollution Control Board from time to time, Notified Eco-sensitive areas & Inter-State boundaries and international boundaries. As such, General Condition does not apply to the project.
- It is an existing unit and the following steps are taken care for efficient operation of APCD: -
 - i) Charging & Melting- Charging of processed/shredded scrap, Segregations of scrap to avoid any accident, over filling of furnace will be avoided.
 - ii) Air Pollution Control System - Existing APCD replaced with Pulse-Jet filtration system (Bag Filter)
 - iii) Proper Maintenance of bag filter- Maintain of pressure, Flue gas temperature, ID fan capacity & its maintenance.
 - iv) Collection & Disposal- Provision of side hood & adequate suction, provision of rotary air lock in hopper of spark arrestor, cyclone & bag house for collection of dust.
 - v) Training to operating staff.
 - vi) Interlocking of APCS with the manufacturing process.
- The status of the existing installed capacity of the industry is as under: -
 - Initially, the industry was granted consent to the establishment by Punjab Pollution Control Board, Patiala, Punjab, in 1990 for the manufacturing of Steel Ingot by installing an Induction furnace of capacity 3TPH. The industry was again

granted consent to operate (CTO) for expansion in 1993 for manufacturing of Steel Ingot from 25 TPD to 80 TPD by adding one induction furnace of 3 TPH capacity and further granted consent to operate in 1998 (CTO) for expansion for manufacturing of Steel Ingot from 80 TPD to 120 TPD by adding one induction furnaces 5TPH capacity.

The details of the unit areas under:

Year of Establishment	Installed Capacity	Power Load	Total Production Capacity	Whether covered under EIA Notification or Not
1990	3 TPH	1829.451KW	7500 TPA	EIA notification did not exist at that time.
1993	3 TPH	1830.546KW	16500 TPA	
1998	5 TPH	3110 KW	12000 TPA	The industry was not covered under the EIA notification 1994, because the cost of the project was less than Rs 100 Crore
In view of the above, we have not violated the provisions of EIA notification, 1994, EIA notification dated 14.09.2006, and their amendments.				

- M/s Bansal Alloys & Metals Pvt. Ltd. is an existing Steel Manufacturing industry having two units named as Unit-I (established in 1989-90) and Unit-II (established in the year 1992-93) having independent and separate setup.
- The Unit-I is having 3 Nos Induction Furnace with Production capacity to manufacture Steel Ingots/Concast Billets @36000 TPA based on 300 working days after getting approvals from competent Authorities i.e. SAC-cum-CSA/PPCB/DOF etc. Similarly, Unit-II is having a production capacity of 60000 TPA with an additional production facility of V.D. & LRF, etc. to manufacture Steel Ingots/Alloys Steel Ingots, etc.
- They have already installed Induction furnaces having capacity 2x3TPH & 5TPH with one Concast Machine & a Rolling Mill. Now, it is proposed to enhance the production of the unit by adding two number of Induction furnaces having capacity 20TPH each, a Concast by replacing existing furnaces and increasing the capacity of existing rolling mill.

S. No.	Particulars	Details
I.	Location	
a	Village/ Town/Plot No.	G.T. Road, Sirhind Side
b	Tehsil	Amloh
c	District	Fatehgarh Sahib
d	State	Punjab
e	Latitude	30°39'14.24"N,30°39'17.53"N 30°39'14.62"N,30°39'11.98"N
f	Longitude	76°18'34.48"E,76°18'37.90"E 76°18'41.47"E,76°18'38.57"E
2.	Topo-sheet No.	53B/2 &53B/6
3.	Project Area	Total Area-5.0 Acres

II.	Production Capacity	Existing: Steel Ingots/Billets–36,000TPA After Expansion: Steel Ingots/Billets–1,68,000TPA		
III.	Environmental settings			
1.	Nearest Village	G.T. Roads Sirhind		
2.	Nearest City	Mandi Gobindgarh, approx.1.5kmfrom the project site.		
3.	National Highway/State Highway/ Express Highway	NH-44 Delhi-Ludhianaisapprox.0.2km from the project site.		
4.	Nearest Railway Station	Mandi Gobindgarh, approx.2.1kmfrom the project site		
5.	Nearest Airport	Chandigarh Airport approx. 45.7km from the project site.		
6.	National Parks/ Wild Life Sanctuaries/ Biosphere Reserves within 10 km radius	Nil		
7.	Reserved / Protected Forest within 10 km radius (Boundary to boundary distance)	No, Reserved Forests exists within 10 km radius.		
8.	Nearest water bodies	Bhakhra Canal about2.9km		
9.	Source of Water	Ground water Existing tube-well		
10.	Seismic Zone	Zone– IV		
S. No.	PARTICULARS	EXISTING	PROPOSED	TOTAL
A	EXISTING&PROPOSED CAPACITY OF FURNACES&ROLLINGMILLS			
1	Induction Furnace	2 X 3TPH &5TPH (to be replaced)	2 X 20 TPH of Induction furnaces &Concast	
2.	Rolling Mill	36,000 TPA	1,50,000 TPA	
B	PRODUCTS			
1	Steel Ingots & Billets (TPA)	(-)36,000 TPA	(+)1,68,000 TPA	1,68,000 TPA
2	Flats/TMT Bars, Rounds, Channels etc.	36,000 TPA	1,14,000 TPA	1,50,000 TPA
C	RAWMATERIAL			
1	Member Secretary Scrap (TPA)	35,280	1,64,640	1,64,640
2	Ferro-alloys (TPA)	720	3,360	3,360
D	GENERALS			
1	Project Cost (Crores)	10.0	22.0	32.0
2	Land (Acres)	5.0	NIL	5.0
3	Power (KW)	6770	15,000	21,770
4	Manpower (Nos.)	150	70	220
5	Working days	24 hrs 350 working days in year		

- Water requirement met through existing tube well. The detail of water requirement existing & after expansion is given below:

DESCRIPTION	EXISTING	PROPOSED	TOTAL
Domestic	6.7 KLD	3.2 KLD	9.9 KLD
Cooling (makeup water)	10.1 KLD	25.9 KLD	36.0 KLD
Total	16.8 KLD	29.1 KLD	45.9 KLD

- There will be no generation of trade effluent from the process. The waste water generated from domestic & cooling tower will have treatment through STP and will be used for cooling purposes/plantation within premises.
- There will be emissions from Induction furnaces & D.G. Sets. Adequate APCD (Bag filters) will be provided to control emission generated from the process. As per the applicable statutory norms, the SPM level in the gas emission, at the discharge point, shall not exceed 150 mg/NM³. Additionally, the stack height requirement for the discharge of process emissions is also to be complied with. Also, ambient air quality within the premises should not have particulate matter concentration exceeding 100µg/m³ on a 24-hour basis, and 60µg/m³ averaged on an annual basis.
- The existing quantity of slag is 7.2 TPD and is being used for filling of low-lying area. The total quantity of slag after expansion will be 28.8 TPD and will be used for filling low lying area. Hazardous waste generated (0.02kl/annum) from DG sets in the form of used oil is being re-used as lubricants within the industry and dust after expansion (171.5 ton/annum) recovered by bag filter is also covered under hazardous waste & sent to TSDF site/ M/s Madhav Alloys Pvt. Ltd. for final disposal.
- As per the location of the site marked in the notified master plan, it falls in the industrial Zone. However, no documentary proof regarding its location in the industrial area/ zone / industrial park/ Industrial Estate from the concerned authorities or District Town Planner of the Department of Town & Country Planning, Punjab / Local Body / Development Authority has been submitted.
- The exemption from Public Consultation, as provided under para 7 (i) III Stage (3) (i) (b) of EIA notification, 2006, shall not be applicable to the project as the industry has not submitted any proof of its location in notified Industrial Estate/Industrial parks as defined in EIA notification, 2006.
- There are no wetlands, coastal zone, biospheres, mountains & reserve forest area within 10 KM radius. The activity of the unit will not affect the forests in any way. However, no documentary proof has been submitted.
- For Air Pollution Control, Wet Scrubber has already been provided on Induction furnaces. After expansion, Bag Filter will be provided. Canopy has also provided on DG Set.
- For Noise pollution, green belt (plantation of dense trees across the boundary) will be provided so as to reduce noise generated due to plant operations and transportation. Out of the total plant area approx. 15% of land is already developed as a green belt and it will be maintained in the future also.
- Green belt will be developed as per Central Pollution Control Board (CPCB) guidelines.
- Native species will be planted in consultation with the local DFO.
- Personal Protective Equipment like earplugs and earmuffs will be provided to the workers exposed to high noise levels.

- D.G sets will be provided with an acoustic enclosure to control the noise level within the prescribed limit.
- Total Cost of the Project after expansion will be 21.04 Crores and 150.0 lacs have been provided for Pollution Control Measures.
- Environment Management Plan for this industry will be prepared keeping in view the existing conditions and likely changes which may occur due to the proposed project. Environment Management Cell shall be created to oversee all the programmes & will include Plant Manager (Head of Environment Cell), In-charge Maintenance Department & a representative of Environmental Consultant.
- The proposed expansion will result in the growth of the surrounding areas by increased direct and indirect employment opportunities in the region including ancillary development and supporting infrastructure. Special emphasis on Financial and Social benefits will be given to the local people. Development of social amenities will be in the form of medical facilities, education to underprivileged, and creation of self-help groups. As per OM F.No.-22-65/2017-IA-III dated 01st May 2018, the organization will spend Rs. 25.0 Lakh for Corporate Environment Responsibility. The details of CER activity will be given in the final EIA report.
- The proposed expansion from 36,000 TPA to 1,68,000 TPA of Steel Billets/Ingots shall be carried out in the existing premises situated at Mandi Gobindgarh on NH-44. The material shall be transported via either side of NH-44. An estimated 24 no. of trucks each of capacity 20 ton will arrive on the premises daily. This meager increase will insignificantly impact the existing level of service on NH-44.

SEAC observed that the pollution level of the Mandi Gobindgarh and adjoining area is a matter of concern. Thus, before issuance of the TOR to different industries going for expansion in the area, proper pollution control & mitigation measures are required to be adopted by them to reduce the pollution in the area. SEAC raised the following queries to project proponent to which he replied as under:

Sr. No.	Observation of SEAC Members	Reply of Project Proponent/ Consultant
1.	As to whether the project site is located in the notified industrial park/estate established before EIA notification 2006, so as to decide the requirement of public consultation?	The project site is not located in the notified industrial park/estate but the site of the industry falls within the industrial zone as per the Master Plan of the Mandi Gobindgarh. As such, the public consultation is required.
2.	a) As to whether the project site is located in the notified area/ overexploited area of the Central Ground Water Authority. If yes, then how, the project proponent will meet the additional requirement of water intake for the expanded project.	a) Mandi Gobindgarh is not a notified area but is designated an over-exploited area by the CGWA. They will obtain the necessary permission from the regulatory authority for the abstraction of additional ground water for the expansion project. If they will not be able to get permission for the same then either they will obtain permission for utilizing surface water from the concerned authority or utilize

		treated waste water.
	b) Whether there is a proposal to treat the domestic effluent and its utilization for plantation purposes.	b) STP will be provided to treat the domestic effluent and for its utilization for the plantation purpose to conserve the water.
	c) Whether there is a proposal to utilize the cooling tower blowdowns.	c) Cooling tower blowdown has normally a TDS below 2100 mg/l. This blowdown can be used for flushing activities or for gardening directly or by diluting the same with the fresh water. As such, the whole of the cooling water blowdown will be reutilized.
	d) Will there the generation of trade effluent from any acid pickling activity.	d) No such process is associated with their manufacturing activity. If at later stage any such effluent will be generated, the same will be disposed through authorized re-processors for manufacturing by-products like FeSO ₄ , etc.
3.	With a limited space, how the project proponent will fulfill the green belt criteria prescribed by MoEF&CC for such projects as per the Standard EC Conditions prescribed for Induction/ Electric Arc Furnace & Rolling Mills circulated vide OM dated 09/08/2018 by the MoEF&CC, New Delhi. As mentioned in the presentation, the existing Green Belt is 10% which is far below the minimum requirement of 33% as per the above OM.	While finalizing the layout, they will reserve the land for the green belt as per the provisions laid down in the OM dated 09/08/2018 by the MoEF&CC, New Delhi. If required, they will arrange additional land for the same.
4.	Further, with a limited space, how the project proponent will accommodate the other utilities for the expanded project including i) Loading/ Unloading area ii) Raw material/product storage area iii) Parking area i) Slag storage area ii) Haz. Waste Storage area iii) Admn. Office etc. Are there any calculations made by the project proponent to accommodate the above utilities?	Presently, they don't have any data. However, while finalizing the layout, they will reserve the land for the said utilities. If required, they will arrange additional land particularly for the parking of vehicles, outside the premises. The project proponent requested to issue a specific Terms of Reference on this point and compliance of the same will be incorporated in the EIA report.
5.	a) What is the cross-section of the road on which industry is located and its Traffic feasibility?	The exact road width is not known. He added that to avoid traffic hurdles, they will make necessary arrangements including the provision of dedicated parking in the nearby

	<p>b) In the wake of limited space in the premises, how, the additional traffic load will be managed as trucks will remain standing on the roadside, affecting the traffic.</p> <p>c) Whether any traffic study has been done in the past or by the project proponent.</p>	<p>vicinity. He was not sure about the traffic study if any conducted by some agency in the Mandi Gobindgarh. He requested to issue a specific Terms of Reference on this point and compliance of the same will be incorporated in the EIA report.</p>
6.	<p>a) The industry has not upgraded its Air Pollution Control System (APCS) despite the directions issued by the State Board to the existing induction furnace units for compliance by the 30/06/2018. The feasibility report for redesigning the suction system & APCD is yet to obtain.</p> <p>b) Compliance status of code of practice, if any prescribed by the State Board?</p> <p>Why the committee shall believe that the project proponent will follow the guidelines prescribed by the State/SEIAA for the control of pollution when the existing unit has yet to follow the guidelines of the State Board.</p>	<p>a) The order has already been placed to upgrade the existing APCD as per the guidelines issued by PPCB and shall be upgraded at the earliest possible.</p> <p>b) Further, the standard operating procedures prescribed by the PSCST/PPCB shall also be followed in totality.</p> <p>The compliance will be made and shall be incorporated in the EIA report.</p>
7.	<p>As to whether the vehicle movement area within the premises, as well as the approach road to the gate and weighing bridge area, is paved or not to reduce the dust emissions.</p>	<p>The area within the premises for vehicle movement as well as the approach road to the gate and weighing bridge area is already paved.</p>
8.	<p>Whether there is a proposal to use CNG as the same has already been introduced in the Mandi Gobindgarh?</p>	<p>As they have concast plant, there is no specific requirement of additional heating/fuel. As such, there is no role of CNG usage at this stage in their plant.</p>
9.	<p>Whether the industry has the plan to adopt green technologies like the provision of shredders or to use energy-efficient technologies.</p>	<p>Presently, they are shearing the scrap i.e. cutting the scrap into pieces of short size manually. Shredding is only feasible in big furnaces having production around 25000-30,000 Ton per week. However, energy-efficient furnaces will be provided for the expansion project. The whole of the domestic effluent/cooling blowdown will be utilized back in the industry. The project proponent will follow the guidelines if any issued by the State Board or by the SEIAA.</p>

10.	Rs. 25 lakhs proposed by the project proponent for the CER activities against the total project cost of Rs. 32 crores which is not adequate for a polluting industry.	They have proposed to reserve 0.75% for the CER activities. They will enhance the same to 1% and Rs. 32 lakhs will be kept reserved for such activities.
-----	---	--

- SEAC took the aforesaid reply on record and decided to make the aforesaid observation as Specific TORs along with the standard TORs prescribed for such units.

After detailed deliberations, it was decided to categorize the project into the B-1 category with public consultation as required for the projects not located in notified industrial parks/estates. The environmental consultant can start the EIA study/monitoring based on Standard Scoping / TOR including the other prevailing special TOR being imposed in case of similar units recently in Mandi Gobindgarh / adjoining areas w.e.f. the date of filing of a fresh application for issuance of TOR by the project proponent i.e. 22.12.2018. The project proponent shall submit an Environment Impact Assessment Study Report. The Committee approved the following Scoping & Terms of Reference for Environmental Impact Assessment Study of the proposed project and recommended to SEIAA to issue certain ToRs, specific ToRs, and following additional specific TORs.

1.3 Deliberations during 143rd meeting of SEIAA held on 07.02.2019

The case was considered by the SEIAA in its 143rd meeting held on 07.02.2019 and the same was attended by the following on behalf of the project proponent: -

- i) Sh. Pawan Kumar, General Manager of the industry.
- ii) Sh. Sital Singh, EIA Co-ordinator, M/s CPTL, SAS Nagar, Environment consultant of the industry.
- iii) Sh. R.S. Rana, FAE, M/s CPTL, SAS Nagar, Environment consultant of the industry.

Environmental Consultant of the Promoter Industry presented the salient features of the project and requested for issuance of TORs.

During discussions, the project proponent agreed to prepare detailed EIA on the basis of Terms of Reference as recommended by the SEAC and to submit the final EIA report incorporating the issues related to the Public Consultation process (to be held) as a separate chapter i.e. tabular chart with financial budget (capital and revenue) along with time-schedule of implementation for complying with the commitments made to the Public during aforesaid consultation.

The SEIAA observed that the SEAC has categorized the project into B-1 category (activity listed 3 (a) of the schedule) with public consultation as required for the projects not located in notified industrial parks/estates and has recommended specific TORs for undertaking detailed EIA & EMP for such type of projects.

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

In compliance with the decision of SEIAA, ToRs were issued vide letter no. SEIAA/2019/260 dated 22.02.2019. Public hearing was carried on 10.09.2019 and the proceedings have been submitted.

2.0 Present Case

The project proponent submitted the EIA report. EIA report was scrutinized and EDS was raised on 11.05.2020 and 23.06.2020, to which the project proponent replied vide letter dated 05.06.2020 and 24.06.2020 respectively.

Further, the project proponent has deposited the EC processing fee of Rs. 3,20,000/- dated 05.06.2020 through RTGS NO.- HDFCR52020060582496040. The application for obtaining EC was accepted online on 25.06.2020.

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. Vijay Bansal, Director of the promoter company.
- ii) Sh. Sital Singh, EIA coordinator, M/s CPTL, Mohali, Environmental Consultant of the promoter company.

Environmental Consultant presented the following salient features of the project as under:

Sr. No.	Item	Details		
1.	Online Proposal No.	SIA/PB/IND/47266/2018		
2.	TOR Letter	SEIAA/2019/260 dated 22.02.2019		
3.	Name and Location of the project	M/s Bansal Alloys & Metals Pvt. Ltd., G.T. Road, Sirhind Side, Mandi Gobindgarh, District- Fatehgarh Sahib, Punjab		
4.	Project/activity covered under item of scheduled to the EIA Notification, 14.09.2006.	3(a): Metallurgical Industries (Ferrous & Non-ferrous).		
5.	Consent to operate (Air/water)	Project Proponent has applied for consent to operate under Air (Prevention & Control of Pollution) Act, 1981 vide Application ID No. 12635721 dated 24.05.2020 and the same is pending with the PPCB. However, consent to operate under the Water (Prevention & Control of Pollution) Act, 1974 is valid up to 31.03.2024.		
6.	Public Hearing status	The public hearing was conducted on dated 10.09.2019 in the industry premises. The project proponent submitted a satisfactory reply in reference to all the Public Hearing points.		
7.	Product & Bye Product Details	Existing (TPA)	Additional (TPA)	Total (TPA)
i	Steel Ingots/ Billets	36,000	1,32,000	1,68,000

ii	Flats/TMT Bars, Rounds, Channels etc	36,000	1,14,000	1,50,000															
8.	Raw Material Details	Existing (TPA)	Additional (TPA)	Total (TPA)															
i	M.S Scrap	35,280	1,29,360	1,64,640															
ii	Ferro Alloys	720	2,640	3,360															
9.	Machinery Details	Existing	Proposed	Total															
i	Induction Furnace	2X3 TPH & 5 TPH (to be placed)	2X20 TPH of IF &concast	2X20 TPH															
ii	Rolling Mill	36000 TPA	1,32,000 TPA	1,68,000 TPA															
iii	Concast Machine	---	01 No.	01 No.															
10.	Cost of project	Existing	Proposed	Total															
	Cost (INR in Crores)	10.0	22.0	32.0															
11.	APCD cost	Existing	Proposed	Total															
	APCD Cost (INR IN Crores)	0.63	0.70	1.33															
12.	Latitude & Longitude	Corner coordinates: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Point</th> <th>Latitude</th> <th>Longitude</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>30°39'14.24"N</td> <td>76°18'34.48"E</td> </tr> <tr> <td>B</td> <td>30°39'17.53"N</td> <td>76°18'37.90"E,</td> </tr> <tr> <td>C</td> <td>30°39'14.62"N</td> <td>76°18'41.47"E</td> </tr> <tr> <td>D</td> <td>30°39'11.98"N</td> <td>76°18'38.57"E</td> </tr> </tbody> </table>			Point	Latitude	Longitude	A	30°39'14.24"N	76°18'34.48"E	B	30°39'17.53"N	76°18'37.90"E,	C	30°39'14.62"N	76°18'41.47"E	D	30°39'11.98"N	76°18'38.57"E
Point	Latitude	Longitude																	
A	30°39'14.24"N	76°18'34.48"E																	
B	30°39'17.53"N	76°18'37.90"E,																	
C	30°39'14.62"N	76°18'41.47"E																	
D	30°39'11.98"N	76°18'38.57"E																	
13.	Whether the project is in critical polluted area or not.	No, Project does not fall in a critically polluted area.																	
14.	Classification/Land use pattern as per Master Plan	Industrial zone as per the 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 a copy of the latest Jamabandi (not more than one-month-old) and credible document showing the status of land acquisition w.r.t. project site as prescribed in OM dated 07.10.2014 issued by MoEF)	Submitted
-----	--	-----------

16.	Cost of the project	Rs. 32 Crores
17.	EC processing fee details	An amount of Rs. 3,20,000/- has been submitted on dated 05.06.2020 through RTGS NO.- HDFCR52020060582496040
18.	Total Plot area, Built-up Area and	The details of the project are sunder:

	Green area	Detail of Area																																						
		Description		Area (Sqm.)																																				
		Total Area		21205.39																																				
		Covered Area		8871.59																																				
		Green Area		7002.78																																				
		Road Area		3475.83																																				
		Parking Area		1410.43																																				
		Open Area		444.72																																				
19.	<p>Breakup of Water Requirements & source in Operation Phase (Summer, Rainy, Winter): Total water requirement for the project after expansion will be 45.9 KLD; out of which fresh water requirement will be 9.9 KLD. Break-up of the same is given below:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>S. No.</th> <th>Description</th> <th>Existing water demand (KLD)</th> <th>Proposed water demand (KLD)</th> <th>Water demand after expansion (KLD)</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Cooling water demand</td> <td>10.1</td> <td>25.9</td> <td>36.0</td> </tr> <tr> <td>2.</td> <td>Domestic water demand</td> <td>6.7</td> <td>3.2</td> <td>9.9</td> </tr> <tr> <td></td> <td>Total</td> <td>16.8</td> <td></td> <td>45.9</td> </tr> </tbody> </table> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>S. No.</th> <th>Description</th> <th>Source of water</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Domestic</td> <td>Ground water</td> </tr> <tr> <td>2.</td> <td>Make-up water demand for cooling</td> <td>Recycling</td> </tr> <tr> <td>3.</td> <td>Flushing purposes</td> <td>Treated waste water</td> </tr> <tr> <td>4.</td> <td>Green area water demand</td> <td>Treated waste water</td> </tr> </tbody> </table>					S. No.	Description	Existing water demand (KLD)	Proposed water demand (KLD)	Water demand after expansion (KLD)	1.	Cooling water demand	10.1	25.9	36.0	2.	Domestic water demand	6.7	3.2	9.9		Total	16.8		45.9	S. No.	Description	Source of water	1.	Domestic	Ground water	2.	Make-up water demand for cooling	Recycling	3.	Flushing purposes	Treated waste water	4.	Green area water demand	Treated waste water
S. No.	Description	Existing water demand (KLD)	Proposed water demand (KLD)	Water demand after expansion (KLD)																																				
1.	Cooling water demand	10.1	25.9	36.0																																				
2.	Domestic water demand	6.7	3.2	9.9																																				
	Total	16.8		45.9																																				
S. No.	Description	Source of water																																						
1.	Domestic	Ground water																																						
2.	Make-up water demand for cooling	Recycling																																						
3.	Flushing purposes	Treated waste water																																						
4.	Green area water demand	Treated waste water																																						
20.	Disposal Arrangement of Waste water in Operation Phase	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Details</th> <th>Quantity (After expansion)</th> <th>Remarks</th> </tr> </thead> <tbody> <tr> <td>Industrial Effluent</td> <td style="text-align: center;">-</td> <td style="text-align: center;">-</td> </tr> <tr> <td>Domestic effluent</td> <td>8 KLD</td> <td>Will be treated in STP of 12KLD capacity</td> </tr> </tbody> </table>	Details	Quantity (After expansion)	Remarks	Industrial Effluent	-	-	Domestic effluent	8 KLD	Will be treated in STP of 12KLD capacity																													
Details	Quantity (After expansion)	Remarks																																						
Industrial Effluent	-	-																																						
Domestic effluent	8 KLD	Will be treated in STP of 12KLD capacity																																						
21.	CGWA Approval	The project proponent submitted application vide no. 21-4/4949/PB/IND/2019 on dated 27.03.2019 for 63 KLD water requirements.																																						
22.	Rain water recharging detail	A pond of Bhamershi Khurd village will be adopted. Total 36422 KL/annum water will be recharged. Waste water of nearby Bhamershi Khurd 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 Panchayat has already been obtained.																																						

23.	Solid waste generation and its disposal		About 26.5 TPD of slag will be generated and the same after recovering of iron will be sold to M/s Vohra Industries. An agreement has been made for the same.	
24.	Hazardous Waste &E-Waste		The details of the hazardous waste generated is given below:	
	Sr. No.	Hazardous Waste Category	Quantity (After expansion)	Disposal
	i)	Cat.35.1 – Exhaust air or Gas cleaning Residue.	350.0 TPA	Shall be sold to M/s Madhav Alloys, Fatehgarh Sahib, for recovery of metal.
	ii)	Cat.5.1 – Used Oil	0.02 KL per annum	Shall be sold to authorized recyclers.
25.	Energy Requirements & Saving		The details of the energy are given below:	
	S. No.	Description	Existing	After expansion
	1.	Power load	6770 KW	21,770 KW
	2.	D.G sets	500kVA	500kVA
	<u>Energy-saving measures:</u>			
	c) LEDs will be used in place of CFL			
	d) Solar lights will be used for lighting the streets			
26.	Environment Management Plan along with Budgetary breakup phase wise and responsibility to implement			
	Sr. No	Title	Capital Cost Rs. Lakh	Recurring Cost Rs. Lakh
	1.	Pollution Control during construction stage	5.0	---
	2.	Air Pollution Control (Installation of APCD)	70.0	10.0
	3.	Water Pollution Control / Septic tank upgradation	8.0	0.5
	4.	Noise Pollution Control (Including cost of Landscaping, Green Belt)	10.0	0.30
	5.	Solid Waste Management	10.0	--
	6.	Environment Monitoring and Management	5.0	0.10
	7.	Occupational Health, Safety and Risk Management	10.0	0.20
	8.	RWH	10.0	0.10
	9.	Miscellaneous	4.0	---
		Total	132	11.2
27.	CER activities Mr. Vijay Kumar Bansal of M/s Bansal Alloys & metals Pvt. Ltd. will be responsible for implementation of CER. An amount Rs.33 lakhs will be spent in two phases a) & b)			

	on the following activities:					
a)	Rs. 25 Lakhs will be spent in S.N.A.S. Senior Secondary School, Mandi Gobindgarh on the following activities: -					
	Sr.No.	Activity	Environment Aspect	Cost (Rs. Lac)	Timeline	
					Start	End
	1.	Science Lab Equipments	Infrastructure	5.00	Feb,2021	March 2022
	2.	School Building Renovation	Infrastructure	5.00	Jan 2022	Dec 2022
	3.	Toilet Block for Students	Water Hygiene & Sanitation	8.00	March 2022	Dec. 2023
	4.	Smart Classes Equipments	Infrastructure	3.00	Oct 2020	Dec 2020
	5.	Furniture & Air Condition for Science Lab	Infrastructure	4.00	Oct 2020	Dec 2020
	Total			25.0		
b)	Further, Rs. 8 Lakhs will be spent in Parbhat Puri Charitable Hospital, Amloh road, Shanti Nagar, Mandi Gobindgarh. The activities are as follows					
	S.No.	Activity	Environment Aspect	Cost (Rs. Lac)	Timeline	
					Start	End
	1.	Medical Equipments & Office Appliances	Infrastructure	4.00	Jan 2021	March 2022
	2.	Solar Panel	Infrastructure	3.00	April 2022	Dec. 2022
	3.	Water Cooler & R.O. System	Water Hygiene	1.00	Oct 2020	Dec. 2020
	Total			8.0		

SEAC made certain observations to which project proponent replied as under:

S. No.	Observations	Reply submitted by the project proponent
1.	a)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.	<p>a) APCD in the form of Pulse-jet bag filter with offline cleaning technology will be provided on the Induction Furnace of capacity 20 TPH each.</p> <p>Design of the proposed APCD will be taken from Punjab State Council for Science and Technology, (PSCST) Chandigarh.</p> <p>Design for the existing APCD installed on the furnace capacity i.e. 2×3 TPH & 5 TPH, has already been taken from the PSCST and adequacy certificate from PSCST, Chandigarh has been obtained.</p> <p>Continuous Casting Machine (CCM) will be provided and direct rolling will be done. After passing through CCM and there will be no requirement of re-heating furnace in the unit. Thus, there</p>

	<p>b) Revised EMP cost to be submitted based on revised cost of APCD.</p>	<p>will be no requirement of separate APCD for rolling mill. Further, an online monitoring system will be provided for sampling at the inlet/outlet of APCD. An undertaking in this regard has been submitted.</p> <p>b) Project proponent submitted revised EMP cost of Rs. 195 Lacs towards the capital cost and Rs 11.20 Lacs/annum towards recurring cost as mentioned below:-</p>																																												
		<table border="1"> <thead> <tr> <th>S.No</th> <th>Title</th> <th>Capital Cost Rs. Lakh</th> <th>Recurring Cost Rs. Lakh</th> </tr> </thead> <tbody> <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 Device cost (Installation of APCD)</td> <td>133.0</td> <td>10.0</td> </tr> <tr> <td>3.</td> <td>Water Pollution Control/ STP up-gradation</td> <td>8.0</td> <td>0.50</td> </tr> <tr> <td>4.</td> <td>Noise Pollution Control (Including cost of Landscaping, Green Belt)</td> <td>10.0</td> <td>0.30</td> </tr> <tr> <td>5.</td> <td>Solid Waste Management</td> <td>10.0</td> <td>---</td> </tr> <tr> <td>6.</td> <td>Environment Monitoring and Management</td> <td>5.0</td> <td>0.10</td> </tr> <tr> <td>7.</td> <td>Occupational Health, Safety and Risk Management</td> <td>10.0</td> <td>0.20</td> </tr> <tr> <td>8.</td> <td>RWH</td> <td>10.0</td> <td>0.10</td> </tr> <tr> <td>9.</td> <td>Miscellaneous</td> <td>4.0</td> <td>--</td> </tr> <tr> <td></td> <td>TOTAL</td> <td>195.0</td> <td>11.20</td> </tr> </tbody> </table>	S.No	Title	Capital Cost Rs. Lakh	Recurring Cost Rs. Lakh	1.	Pollution Control during construction stage	5.0	---	2.	Revised Air Pollution Control Device cost (Installation of APCD)	133.0	10.0	3.	Water Pollution Control/ STP up-gradation	8.0	0.50	4.	Noise Pollution Control (Including cost of Landscaping, Green Belt)	10.0	0.30	5.	Solid Waste Management	10.0	---	6.	Environment Monitoring and Management	5.0	0.10	7.	Occupational Health, Safety and Risk Management	10.0	0.20	8.	RWH	10.0	0.10	9.	Miscellaneous	4.0	--		TOTAL	195.0	11.20
S.No	Title	Capital Cost Rs. Lakh	Recurring Cost Rs. Lakh																																											
1.	Pollution Control during construction stage	5.0	---																																											
2.	Revised Air Pollution Control Device cost (Installation of APCD)	133.0	10.0																																											
3.	Water Pollution Control/ STP up-gradation	8.0	0.50																																											
4.	Noise Pollution Control (Including cost of Landscaping, Green Belt)	10.0	0.30																																											
5.	Solid Waste Management	10.0	---																																											
6.	Environment Monitoring and Management	5.0	0.10																																											
7.	Occupational Health, Safety and Risk Management	10.0	0.20																																											
8.	RWH	10.0	0.10																																											
9.	Miscellaneous	4.0	--																																											
	TOTAL	195.0	11.20																																											
2.	<p>Trees should be provided in the green area and no shrubs should be planted.</p>	<p>Project proponent submitted undertaking regarding plantation of 1051 trees in 7002 m² green area indicating species of trees to be planted and no shrubs will be planted.</p>																																												

3.	Rain water utilization proposal during monsoons	Project proponent submitted rain water utilization proposal during monsoons season alongwith tank design for rain water storage. Two tanks of capacity 66 KLD each will be provided to store the rain water fun off generated from the roof top during monsoon season.
----	---	--

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

4.0 Recommendations

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 located at G.T. Road, Sirhind Side, Tehsil- Amloh, Mandi Gobindgarh, District- Fatehgarh Sahib, Punjab by M/s. Bansal Alloys & Metals Pvt. Ltd (Unit-1) as per the details mentioned in Form 2, EMP & subsequent presentation /clarifications made by the project proponent and his consultant with aforesaid salient features and conditions given as under:-

II. Statutory compliance:

- i. The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1980, 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 project proponent shall comply with the siting criteria, standard operating practices, code of practice and guidelines if any prescribed by the SPCB/CPCB/MoEF&CC for such type of units.
- viii. The project proponent shall comply with the CLU conditions imposed by competent authority, if any

III. Air quality monitoring and preservation

- i. The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R 277 (E) dated 31st March 2012 (applicable to IF/EAF) as amended from time to time; S.O. 3305 (E) dated 7th December 2015 (Thermal Power Plants) as amended from time to time) and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- ii. The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through laboratories recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- iii. The project proponent shall install a system to carryout Manual Ambient Air Quality monitoring for parameters relevant to the main pollutants released (e.g. PM₁₀ and PM_{2.5} in reference to PM emission, and SO₂ and NO_x in reference to SO₂ and NO_x emissions) within and outside the plant area (at least at four locations one within and three outside the plant area at an angle of 120° each), covering upwind and downwind directions.
- iv. The project proponent shall submit monthly summary report of continuous stack emission and air quality monitoring and results of manual stack monitoring and manual monitoring of air quality/ fugitive emissions to 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.

IV. 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 12 KLD shall be provided for treatment of domestic wastewater to meet the prescribed standards.
- iv. Garland drains and collection pits shall be provided for each stock pile to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run off
- v. The project proponent shall practice rainwater harvesting to maximum possible extent. For this, a village pond having recharge capacity @ 24,281.13 m³, located at Village Bhamershi Khurd shall be adopted for desilting to recharge the water @ 36,421.95 m³/annum (50% of total recharge 72,843.9 m³/annum). As an additional safety measure, the stream carrying waste water of the village shall be diverted in one corner of Phytoid plants trench (designed based on the technology developed by CSIR-NEERI's) divided in different parts, the overflow of each chamber shall be

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

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

V. 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.

VI. 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.

VII. 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.

VIII. Green Belt

- ii) Green belt shall be developed in an area equal to at least 33% (7002.78 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 1051 trees to be planted, protected, maintained and established without accounting any shrubs. The green belt 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.

IX. 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 public hearing as per public hearing Action plan.

X. 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.33 Lacs (Rs. 25 Lacs + Rs. 8 Lacs) towards following CER activities:

- a) Rs. 25 Lakhs will be spent in S.N.A.S. Senior Secondary School, Mandi Gobindgarh. The activities are as follows: -

S.No.	Activity	Environment Aspect	Cost (Rs. Lac)	Timeline	
				Start	End
1.	Science Lab Equipments	Infrastructure	5.00	Feb,2021	March, 2022

2.	School Building Renovation	Infrastructure	5.00	Jan 2022	Dec 2022
3.	Toilet Block for Students	Water Hygiene & Sanitation	8.00	March 2022	Dec. 2023
4.	Smart Classes Equipments	Infrastructure	3.00	Oct 2020	Dec 2020
5.	Furniture & Air Condition for Science Lab	Infrastructure	4.00	Oct 2020	Dec 2020
Total			25.0		

b) Further, Rs. 8 Lakhs will be spent in ParbhatPuri Charitable Hospital, Amloh road, Shanti Nagar, Mandi Gobindgarh. The activities are as follows: -

S.No.	Activity	Environment Aspect	Cost (Rs. Lac)	Timeline	
				Start	End
1.	Medical Equipments & Office Appliances	Infrastructure	4.00	Jan 2021	March 2022
2.	Solar Panel	Infrastructure	3.00	April 2022	Dec. 2022
3.	Water Cooler & R.O. System	Water Hygiene	1.00	Oct 2020	Dec. 2020
Total			8.0		

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. 195 Lacs towards the capital cost and Rs 11.20 Lacs/annum towards recurring cost including the environmental monitoring cost for the implementation of EMP as proposed in revised EMP plan submitted 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 Device cost (Installation of APCD)	133.0	10.0
3.	Water Pollution Control/ STP up-gradation	8.0	0.50
4.	Noise Pollution Control (Including cost of Landscaping, Green Belt)	10.0	0.30
5.	Solid Waste Management	10.0	---
6.	Environment Monitoring and Management	5.0	0.10
7.	Occupational Health, Safety and Risk Management	10.0	0.20
8.	RWH	10.0	0.10
9.	Miscellaneous	4.0	--
	TOTAL	195.0	11.20

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, SO₂, NO_x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.
- v. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the Ministry of Environment, Forest and Climate Change at environment clearance portal.
- vi. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
- vii. The project proponent shall inform the Regional Office of the Ministry and PPCB, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
- viii. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.

- ix. The project proponent shall abide by all the commitments and recommendations made in the EIA /EMP report, commitment made during Public Hearing and also that during their presentation to the State Expert Appraisal Committee and SEIAA.
- x. No further expansion or modifications in the plant shall be carried out without prior approval of SEIAA, Punjab.
- 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 20TPH each 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 to meet the requirement of Industrial, domestic & green belt.
- v. The project proponent shall implement Rain water utilization by installing rain water tank of capacity 132KL (i.e 2 x 66KL each) in order 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 @ 30 MT per day as per the agreement.
- vii. The project proponent shall dispose of APCD dust @ 350 TPA 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 upgradation 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 the traffic congestion and 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.

4.0 Deliberations during the 167th meeting of SEIAA held on 31.07.2020.

The case was placed in the 167th meeting of SEIAA held on 31.07.2020, which was attended by the following through Video Conference:

- i) Sh. Vijay Bansal, Director of the promoter company.
- ii) Sh. Sital Singh, EIA coordinator, M/s CPTL, Mohali, Environmental Consultant of the promoter company.

Environmental Consultant presented the salient features of the project. A copy of the presentation was taken on record by SEIAA.

During discussions, representative of the promoter company agreed to comply with all the conditions as mentioned by SEAC except the condition no (i) of III of Air Quality monitoring and preservation regarding the condition of installation of continuous air monitoring system due to the reason that same is not economically feasible being a small unit and requested to waive off the said condition. A request letter dated 31.07.2020 submitted by the project proponent was taken on record by SEIAA.

SEIAA accepted the request of the project proponent and decided to replace the said condition with the following condition: -

"The project proponent shall make necessary arrangements for the monitoring of stack emissions and shall get its emissions analyzed from NABL accredited

laboratories at least once in two months and maintain the register showing the result of various tests conducted by the industry for monitoring of stack emissions"

SEIAA observed that the case stands recommended by SEAC and the Committee has awarded 'Silver Grading' to the project proposal. The SEIAA looked into the detail of the case and was satisfied with the same.

After detailed deliberations, SEIAA decided to accept the recommendations of SEAC and to grant Environmental Clearance for expansion of its existing unit located at G.T. Road, Sirhind Side, Tehsil- Amluh, Mandi Gobindgarh, District- Fatehgarh Sahib, Punjab by M/s. Bansal Alloys & Metals Pvt. Ltd (Unit-1) as per the details mentioned in Form 2, EMP & subsequent presentation /clarifications made by the project proponent and his consultant with aforesaid salient features and conditions proposed by the SEAC with the following amendments in the proposed conditions: -

Amended condition no (i) of III of Air Quality monitoring and preservation

- (i) The project proponent shall make necessary arrangements for the monitoring of stack emissions and shall get its emissions analyzed from NABL accredited laboratories once in two months and maintain the register showing the result of various tests conducted by the industry for monitoring of stack emissions

Item No. 167.09: Application for issuance of TORs for carrying out EIA study for obtaining Environmental clearance under EIA notification dated 14.09.2006 for establishment of steel manufacturing unit at G.T. Road, Doraha, Tehsil- Payal, District- Ludhiana, Punjab by M/s RN Gupta & Company Ltd (Proposal No. SIA/PB/IND/30520/2018)

SEIAA observed as under: -

1.0 Background:

M/s RN Gupta & Company Ltd has filed online application issuance of TORs for the establishment of a steel manufacturing unit and proposed to manufacture steel billets@3,09,750 TPA & Rounds, Bars, Squares@2,90,000 TPA by installing one induction furnaces of capacity 30 TPH each, an arc furnace of capacity 35 TPH and rolling mill having capacity 40 TPH at G.T. Road, Doraha, Tehsil- Payal, District- Ludhiana, Punjab. The project of the promoter pertains to category 'B' and it falls under category 3(a) - Metallurgical Industries (ferrous & non-ferrous) of the Schedule appended to the said notification. The project is covered under public consultation and hence required public hearing. The project also requires comprehensive Terms of References (TOR) addressing all relevant environmental concerns for the preparation of an Environmental Impact Assessment (EIA) report in respect of project or activity for which environmental clearance is sought. The project proponent submitted details of the project, Form 1, and other documents.

1.1 178th meeting of SEAC held on 15.04.2019

The case was placed in the 178th meeting of SEAC held on 15.04.2019. The item could not be taken up due to paucity of time and the case was deferred.

1.2 Deliberation during 179th meeting of SEAC held on 02.05.2019

The case was considered by the SEAC in its 179th meeting held on 02.05.2019, which was attended by the following: -

- i) Sh. Gaurav Gupta, Director on behalf of the promoter company
- ii) Sh. Sital Singh, EIA-co-ordinator cum CEO, M/s CPTL Pvt. Ltd., Mohali, Environment Consultant of the promoter company.

SEAC was apprised that Environmental Engineer, Regional Office-2, Punjab Pollution Control Board, Ludhiana was requested vide e-mail dated 09.01.2019 to visit the project site and send the report on the following:

- 1) Construction status of site.
- 2) Status of NOC
- 3) Whether project site meeting with the siting criteria prescribed by the Board for such type of projects.
- 4) Whether the project attracts the 'General Condition'(*) as mentioned in the EIA notification, 2006.

Environmental Engineer, Regional Office-2, Punjab Pollution Control Board, Ludhiana vide email dated 15.04.2019 has sent the status report as under:

Sr.No.	Description	Status Report
1.	Construction status of site.	Only boundary wall has been provided
2.	Status of NOC	No NOC application has been received in his office till date.
3.	Whether project site meeting with the siting criteria prescribed by the Board for such type of projects.	The site is located in the industrial Zone as per Master Plan, Ludhiana. But no CLU has been obtained.
4.	Whether the project attracts the 'General Condition'(*) as mentioned in the EIA notification, 2006.	The site falls in the vicinity of MC Ludhiana which is a critically polluted area. The industry could not produce any document regarding distance from MC limit of Ludhiana and the site of the industry may attract 'General Condition as per EIA Notification,2006.

SEAC perused the visit report and has taken the same on record. Further, before allowing the project proponent to present the salient features of the project, SEAC queried to the project proponent regarding the distance of the site from the MC limit of Ludhiana. To this, the project proponent submitted a copy of the letter issued by the Assistant Town Planner, Zone -B, Municipal Corporation, Ludhiana vide no. 290 dated 30.01.2019 wherein it has been reported that Khasra nos. 129(8-18), 130(10-15), 134(2-15),135(6-17) with Khata no. 106/133 falling in Hadbast no. 244, Tehsil Payal is outside the MC limit. As such, distance certificate from the MC limit cannot be issued. SEAC took a copy of the letter on record.

SEAC allowed the project proponent to present the salient features of the project and his environmental consultant presented the same as under:

1. M/s. RN Gupta & Company Ltd. was established in the year 1948 and since then it is maintaining its presence in the engineering industry. The Company is ISO-9001:2000 certified.
2. It has proposed to install one number of Induction furnace having capacity 30 TPH, an Arc furnace of capacity 35 TPH, and a Rolling Mill of capacity 40 Ton per hour at G.T. Road, Doraha, Tehsil- Payal, District- Ludhiana, Punjab. The total project cost is estimated at Rs 100.00 Crores. The project is having 14.0 acres of land. The capacity of the unit will be 3, 09,750 TPA of Steel Billets and 2, 90,000TPA of Rounds, Bars & Squares.

3. The proposed project falls under activity 3(a) Metallurgical Industries (ferrous & non-ferrous) & Non-Toxic Secondary Metallurgical processing industry with capacity > 30,000 TPA, and the same is to be treated as Category 'B1', as per MOEF&CC OM dated 24th December 2013 and its Environment Clearance is to be accorded by the SEIAA, MoEF& CC, Punjab. The site of the industry falls in Industrial Zone and the site is 6.6 km away from the boundary of the Master Plan of Ludhiana. General Conditions does not apply, because the project site is not located within 5 km radius of any of these:
 - (i) Protected Areas notified under the Wild Life (Protection) Act, 1972
 - (ii) Critically Polluted areas as notified by the Central Pollution Control Board from time to time
 - (iii) Eco-sensitive areas notified by MoEF&CC and Punjab Govt.
 - (iv) Inter-State boundaries and International boundaries.

4. Chandigarh Pollution Testing Laboratory (CPTL) is incorporated in 1997. The Registered office of CPTL is at Plot no. E-126, Industrial Area, Phase-7, Mohali, Punjab. Its laboratory division has accreditation from NABL, recognition from MoEF& CC & PPCB (Punjab Pollution Control Board), and EIA division (i.e. CPTL-EIA) is accredited by QCI/ NABET as Category-A EIA consultancy organization. In addition, it is ISO 9001, ISO 14001, and OHSAS 18001 certified. The validity of accreditation is up to 9th August 2019.

BRIEF OF PROJECT

Sr. No.	Description	Total
1.	Plot Area (Acres)	14.0
2.	Production Capacity (TPA)	Steel Billets – 3,09,750 Rounds, Bars, Square – 2,90,000
3.	Plant details	I.F. – 1X30 TPH @ 12 Heats Arc Furnace – 1X35 TPH @ 15 Heats Rolling Mill – 40 Ton per Hours
4.	Raw Materials (TPA)	MS Scrap, Ferro Alloys (MS, CI + Additives) – 3,40,725
5.	Manpower	350
6.	Project Cost (Crores)	100.0

POWER REQUIREMENT

Power Load (MW)	30
Source of Power	PSPCL
D.G. Set (01 No.)	250KVA

WATER DEMAND

Total Water Demand (KLD)	62.5
Domestic Water Demand (KLD)	17.5
Cooling Water Demand (KLD)	45.0
Water Supply Source	Ground water through tube-well

WATER MANAGEMENT

- a) Fresh water requirement of the project will be met from Ground water through tube well.
- b) Domestic waste water generated from the plant will be treated in Sewage Treatment Plant and treated water will be used for cooling purpose/green belt development.
- c) The cooling water will be re-circulated and cooling tower blow down will be treated through sewage treatment plant and used for plantation.

SOURCES OF AIR POLLUTION:

Sr No.	Source	APCD
i)	Induction Furnaces	Bag Filters, Suction Hoods, Stack
ii)	D.G. Sets	Acoustic Enclosure & Chimney

AIR POLLUTION CONTROL SYSTEM:

- a) Bag House: Unit has been provided with Bag House. The gases are fed to bag house. The Bag House removes fine particles and gases are fed to chimney through Blower. The collected dust on the bag filter surface is removed with the pulse jet mechanism. The removed dust is collected in the hopper from it is conveyed through screw conveyor and discharged through a rotary air lock valve.
 - (i) The gases enter the baghouse at 100- 120 deg temperature.
 - (ii) The baghouse is provided with a temperature controller cum indicator to prevent high temperature in the bag house.
 - (iii) Pulse-jet mechanism of de-dusting works online simultaneously with the filtration of flue gases.
 - (iv) The dust filtered is regularly removed with screw conveyor and rotary airlock valve hence no accumulated dust in bag house hopper

- b) Suction Hoods: The furnace is fitted with Movable Suction Hood of capacities adequate enough for efficient suction of the total volume of flue gases generated from the furnace. The hood is provided with the geared motor arrangement so that it can be brought near or away to the furnace by a reversible switch as and when desired during the melting and feeding operation of the furnace.

The main features of the hood are

- (i). Aerodynamic shape hood prevents backpressure.
 - (ii). Mechanized movement facilitates the easy operation and accurate positioning.
 - (iii). Time taken to move in and out is very small.
 - (iv). Movement is based on rugged thrust bearings with minimum leakages.
- c) Spark Arrestors: It is provided to capture the live particles (if any) from the furnace, to avoid the burning of the bags in the baghouse. The mechanism of spark arrestor is based on impingement type so that particles strike the baffle plate at higher velocity at impingement plate and in the process, large particles are arrested in the spark arrestor.

The main function of spark arrestor:

- (i). The unit removes large size particles and red-hot particles.
- (ii). Reduces the temperature of flue gases.
- (iii). Require minimum pressure loss.

Following steps will be taken for the efficient operation of APCS: -

- a) Charging & Melting- Charging of processed/shredded scrap, Segregations of scrap to avoid any accident, over filling of the furnace will be avoided.
- b) APCS- A dedicated system comprising swiveling (movable) hood, spark arrestor, bag filters, ID fan, and stack of adequate height.
- c) Proper Maintenance of bag filter- Maintain of pressure, Flue gas temperature, ID fan capacity & its maintenance.
- d) Collection & Disposal- Provision of side hood & adequate suction, provision of the airlock in the hopper of spark arrestor, cyclone & baghouse
- e) Training of operational staff.
- f) Interlocking of APCS with the manufacturing process.

NOISE MANAGEMENT

- a) There will be no danger of noise pollution from plant. The green belt (plantation of dense trees across the boundary) helps in reducing noise levels in steel plant as a result of attenuation of noise generated due to plant operations and transportation.
- b) Earmuffs will be used while running the equipment of the plant.
- c) D.G sets will be provided with acoustic enclosure to control the noise level within the prescribed limit.
- d) A high standard of maintenance will be practiced for plant machinery and equipment, which helps to avert potential noise problems.
- e) Personal Protective Equipment like earplugs and earmuffs will be provided to the workers exposed to high noise level.
- f) Regular monitoring of noise level will be carried out.

DETAILS OF THE AREA:

Sr No	DESCRIPTION	AREA(SQM)
1.	Total Land Area	57240
2.	Green Belt Area	17200
3.	Car Parking Area	440
4.	Truck Parking Area	2700
5.	Slag Processing Area	2600
6.	Slag Dumping Area	2800
7.	Hazardous Dumping Area (Used Oil & Grease Storage)	240
8.	Plant Building Area	12670
9.	AUX. Building Area	6024
10.	Other Open Area	6046

SITE PLANNING

Sr.No	Particulars	Details
A.	Location	
(i)	Village	Doraha
(ii)	Tehsil	Payal
(iii)	District	Ludhiana
(iv)	State	Punjab

(v)	Latitude	30°49'00.94"N, 30°48'59.37"N 30°48'58.76"N, 30°48'57.04"N
(vi)	Longitude	76°00'50.46"E, 76°00'48.21"E 76°00'54.78"E, 76°00'54.80"E
B.	Toposheet No.	53B/1 & 53B/2
C.	Project Area	Total Area – 14.0Acres
D.	Nearest highway	NH-44 Sirhind-Ludhiana is approx 1.0 km South side
E.	Nearest railhead/Railway station	Doraha approx. 2.9 km East side
F.	Nearest airport	Ludhiana Airport approx. 7.0 km North West side
G.	Nearest major city	Ludhiana about 18km North West side
H.	Nearest major settlement	Ludhiana
I.	Features within 10km Radius	
a)	Defence installations	Nil
b)	Archaeological important places	Nil
c)	Wild life sanctuaries	Nil
d)	Reserved/Protected	Nil
e)	Rivers	Sirhind Canal (about 2.3 km)
f)	Hill ranges	Nil

WASTE MANAGEMENT

Sr. No.	Description	Management
1.	Solid waste generation	Quantity of solid waste (Furnace Slag) generation will be 49.0 TPD and the same after recovery of iron will be supplied to manufacturers of cement concrete blocks, pavers & tiles under proper agreement.

2.	Hazardous waste generation	Used oil (0.01kl/annum) from DG sets and Flue gas cleaning residue (0.09TPD) from I.F/AF. will be generated as H.W. from the industry. The same will be disposed off to authorized recyclers and approved metal recoveries respectively. Additionally, the membership of approved TSDF site will also be taken for the disposal of Flue Gas Cleaning residue.
----	----------------------------	---

GREEN BELT MANAGEMENT

- i) Green belt development in and around the plant site will help to attenuate the pollution level.
- ii) Out of the total plant area approx. 33% land will be developed and maintained as green belt.
- iii) Green belt will be developed as per Central Pollution Control Board (CPCB) guidelines.
- iv) Native species will be planted in consultation with the local DFO.

OCCUPATIONAL HEALTH & SAFETY

Main objective of Occupational health is to maintain healthy and safe work environment so that workers do not get affected from different type of hazards which generally are as under:

- i) Physical Hazards - such as heat, noise etc.
- ii) Chemical hazards – There are no chemical hazards in this industry.
- iii) Dust - dust from APCD etc.
- iv) Toxic metals - There are no toxic hazards in this industry

The unit neither uses nor produces any hazardous chemicals or toxic metals. The only possible health hazard could be Heat and dust. Following mitigation measures to be provided to control the heat and dust.

HEAT

- i) Workers working near the furnace and handling moulds manually may be exposed to heat.
- ii) Fans will be provided near such places and hot air shall be withdrawn through exhaust fans.
- iii) All workers will be provided PPE like gloves, helmets, gum boots, goggles etc.
- iv) Fresh water shall be made available near the working area.

DUST

- i) Bag filter will be provided for collection of dust.
- ii) Face masks with side covered glasses will be provided to all workers.
- iii) Frequent check-up of the workers will be done which shall include chest X-ray, ECG & vision testing. Necessary treatment shall be provided wherever required.
- iv) All check-ups will be documented and reviewed monthly for occupation health and safety of the workers.

ENVIRONMENTAL MANAGEMENT PLAN

E.M.P. has been prepared keeping in view the existing conditions and likely changes which may occur due to the proposed project. As discussed earlier it covers:

- i) Air Pollution Control: Provision of APCD comprising suction hood, spark arrestor, bag filters, ID fan and stack of adequate height.
- ii) Water Pollution Control:
 - a. Maximum use of recycled water & only make-up water for replenishment of cooling water due to blow down and evaporation losses.
 - b. STP will be provided for the treatment of waste water. The treated water will be used for plantation within the premises or will be reused for cooling.
- iii) Environment Management Cell- Environment Management Cell shall be created to oversee all the programmes & will include:
 - a. Plant Manager (Head of Environment Cell).
 - b. In charge Maintenance Department.
 - c. A representative of Environmental Consultants.

The Head of EMC will send monthly reports to the management and will keep all records regarding implementation of the E.M.P. for follow up actions.

CER ACTIVITIES

- a) Proposed unit will result in growth of the surrounding areas by increased direct and indirect employment opportunities in the region including ancillary development and supporting infrastructure.
- b) Special emphasis will be laid on Environmental activities and local people including tribal population, if any, in the area will be benefited.
- c) Development of social amenities will be in the form of medical facilities, education to underprivileged and creation of self-help groups.

- d) The proposed project is Green Field. As per OM F.No.-22-65/2017-IA-III dated on 01st May, 2018, the organization will spend Rs. 2.0 Crores on Corporate Environment Responsibility. The details of CER activity will be given in the final EIA report.

IMPACT ON TRAFFIC

The production from the proposed unit will be 3,09,750 TPA of Steel Billets and 2,90,000 of Rounds, Bars, Squares. An estimated 45-50 no. of trucks of capacity 20 ton each will be involved in transportation of raw material & finished products. will be required daily, NH-44 (Sirhind- Ludhiana) which is approx. 1.0 km from project site will be major road for transportation. The addition of 45-50 trucks/day will not significantly affect the existing LOS on NH-44.

1) Baseline Study

In the light of MoEF&CC, OM No. – J-11013/41/2006-IA-II (I) (Part) dated 29th Aug, 2017 and due to the onset of monsoon season, the Environmental Baseline Monitoring for the subject proposal has been undertaken w.e.f. 16th March, 2019 and SEAC has already been informed through email dated 08.03.2019 in this regard. It is requested that the same may please be accepted while issuing Terms of Reference.

SEAC observed that the pollution level of the Ludhiana and the adjoining area is a cause of serious concern. SEAC raised the following queries to project proponent to which he replied as under:

Sr. No.	Observation of SEAC Members	Reply of Project Proponent/ Consultant
1.	As the site is located on GT Road, Doraha, District Ludhiana, Punjab, the possibility of Deer Park/ Zoo Neelon, Ludhiana within 5 km radius from the boundary of the project site cannot be ruled out, and is required to be confirmed so as to decide the applicability of the General Condition?	No wildlife sanctuary / protected forest area including Deer Park / Zoo Neelon, Ludhiana falls within a 5 km radius from the boundary of the project site. The project proponent assured to submit the documentary proof from the concerned authority at the time of submission of the EIA report.
2.	As to whether the project site is located in the notified industrial park/estate established before EIA notification 2006, so as to decide the requirement of public consultation?	The project site is not located in the notified industrial park/estate but the site of the industry falls within the industrial zone falls in Industrial Zone and the site is 6.6 km away from Boundary Point of Master Plan of Ludhiana. As such, as per OM dated 27.08.2018, the public consultation is required.

3.	<p>a) As to whether the project site is located in the notified area/ overexploited area of the Central Ground Water Authority. If yes, then how, the project proponent will meet the requirement of water intake for the project.</p>	<p>a) Doraha is not a notified area but is a designated over-exploited area by the CGWA. They will obtain the necessary permission from the regulatory authority for the abstraction of ground water for the project. If they will not be able to get permission for the same then either they will obtain permission for utilizing surface water from the concerned authority or utilize treated waste water.</p>
	<p>b) Whether there is a proposal to treat the domestic effluent and its utilization for plantation purposes.</p>	<p>b) STP will be provided to treat the domestic effluent and for its utilization for the plantation purpose to conserve the water.</p>
	<p>c) Whether there is a proposal to utilize the cooling tower blowdowns.</p>	<p>c) Cooling tower blowdown has normally a TDS below 2100 mg/l. This blow down can be used for flushing activities or for gardening directly or by diluting the same with the fresh water. As such, the whole of the cooling water blowdown will be reutilized.</p>
	<p>d) Will there the generation of trade effluent from any acid pickling activity.</p>	<p>d) No such process is associated with their manufacturing activity. If at later stage any such effluent will be generated, the same will be disposed through authorized re-processors for manufacturing by-products like FeSO₄, etc.</p>
4.	<p>As per presentation, 17200 sqm has been kept reserved for green belt out of total project area of 57,240 sqm which is 30% of plot area against the mandatory requirement of 33 % green belt criteria prescribed by MoEF&CC for such projects as per the Standard EC Conditions prescribed for Induction/ Electric Arc Furnace & Rolling Mills circulated vide OM dated 09/08/2018 by the MoEF&CC, New Delhi.</p>	<p>They are having adequate land of 14 acres. As such, while finalizing the layout, they will reserve sufficient land for the green belt as per the provisions laid down in the OM dated 09/08/2018 by the MoEF&CC, New Delhi. If required, they will arrange additional land for the same.</p>
5.	<p>Further, how the project proponent will accommodate the other utilities for the expanded project including</p>	<p>Presently, they don't have any data. However, while finalizing the layout, they will reserve the land for the said utilities.</p>

	<p>i) Loading/ Unloading area ii) Raw material/product storage area iii) Parking area iv) Slag storage area v) Haz. Waste Storage area</p> <p>Is there any calculations made by the project proponent to accommodate the above utilities.</p>	<p>They have sufficient land for these activities.</p> <p>The project proponent requested to issue a specific Terms of Reference on this point and assured that compliance will be incorporated in the EIA report.</p>
6.	<p>a) What is the cross-section of the road on which industry is located and its Traffic feasibility? b) In the wake of limited space on the premises, how, the additional traffic load will be managed as trucks will remain standing on the roadside, affecting the traffic. c) Whether any traffic study has been done in the past or by the project proponent.</p>	<p>The exact road width is not known. He added that to avoid traffic hurdles, they will make necessary arrangements including the provision of dedicated parking in the nearby vicinity. He was not sure about the traffic study if any conducted by some agency in the Doraha region. He requested to issue a specific Terms of Reference on this point and compliance of the same will be incorporated in the EIA report.</p>
7.	<p>Whether any proposal has been made for paving the approach road to the gate and weighing bridge area for the vehicle movement within the premises to reduce the dust emissions.</p>	<p>The area within the premises for vehicle movement as well as the approach road to the gate and weighing bridge area shall be kept paved.</p>
8.	<p>Considering the inadequate designs/technology w.r.t suction of the secondary emissions from the crucible, what special pollution control measures will be there particularly during the pouring of raw material and movement of the crane.</p>	<p>Side Hood along with appropriate and adequate APCD and code of practice as prescribed by the State Board shall be implemented to ensure maximum possible suction of secondary emissions for the unit. The compliance will be incorporated in the EIA report.</p>
9.	<p>Whether there is a proposal to use natural gas as the GAIL has a tapping point at Doraha?</p>	<p>At present, they are having no proposal but the use of the same shall be explored.</p>
10.	<p>Whether the industry has the plan to adopt green technologies like the provision of shredders or to use energy-efficient technologies.</p>	<p>They have a proposal to provide shearing/bundling machines. But, shredders are not economically feasible for small projects. However, energy-efficient furnaces will be provided for the project.</p>

		The whole of the domestic effluent/cooling blowdown will be utilized back in the industry.
--	--	--

SEAC took the aforesaid reply on record and decided to make the aforesaid observation as Specific TORs along with the standard TORs prescribed for such units and also accepted the request of the Environmental Consultant to consider the Environmental Baseline Monitoring undertaken w.e.f. 16th March 2019 in light of MoEF&CC, OM dated 29th Aug 2017 and prior intimation given to SEAC on 08/03/2019 through email. The application of TOR has been appraised right now and as decided by SEAC in other cases, the project proponent shall carry out an additional 1-1/2 (one and a half months) study with immediate effect i.e. 02.05.2019 to complete the three-month study.

After detailed deliberations, it was decided to categorize the project into the B-1 category with public consultation as required for the projects not located in notified industrial parks/estates. The study carried out by Environmental Consultant for collecting the baseline data from 16 March 2018 onwards to 02 May 2018 is accepted subject to the condition that remaining study (one and half-months) shall be carried out with immediate effect i.e. 02.05.2019, shall be carried out as well as to complete the traffic study which includes at least three days, etc. The project proponent shall submit an Environment Impact Assessment Study Report. The Committee approved the following Scoping & Terms of Reference for Environmental Impact Assessment Study of the proposed project and recommended to SEIAA to issue the following TORs:

A. STANDARD TERMS OF REFERENCE

1) Executive Summary

2) Introduction

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

3) Project Description

- (i) Cost of project and time of completion.
- (ii) Products with capacities for the proposed project.
- (iii) If expansion project, details of existing products with capacities and whether adequate land is available for expansion, reference of earlier EC if any.
- (iv) List of raw materials required and their source along with mode of transportation.
- (v) Other chemicals and materials required with quantities and storage capacities.

- (vi) Details of Emission, effluents, hazardous waste generation and their management.
- (vii) Requirement of water (breakup for induction and rolling mill), power, with source of supply, status of approval, water balance diagram, man-power requirement (regular and contract).
- (viii) The project proponent shall furnish the requisite documents from the Competent Authority in support of drawl of ground water and surface water (if any) and supply of electricity.
- (ix) Process description along with major equipment and machineries, process flow sheet (quantitative) from raw material to products to be provided
- (x) Hazard identification and details of proposed safety systems.
- (xi) In case of Expansion/modernization proposals:
 - a) Status of compliance of Consent to Operate for the ongoing /existing operation of the project from SPCB shall be attached with the EIA-EMP report.
 - b) In case the existing project has not obtained environmental clearance, reasons for not taking EC under the provisions of the EIA Notification 1994 and/or EIA Notification 2006 shall be provided. Copies of Consent to Establish/No Objection Certificate and Consent to Operate (in case of units operating prior to EIA Notification 2006, CTE and CTO of FY 2005-2006) obtained from the SPCB shall be submitted. Further, compliance report to the conditions of consents from the SPCB shall be submitted.

4) Site Details

- (i) Location of the project site covering village, Taluka / Tehsil, District and State, Justification for selecting the site, whether other sites were considered. Copy of Master Plan indicating a land use pattern of the site is in conformity of proposals of Master Plan shall be attached with EIA report.
- (ii) A topo sheet of the study area of radius of 10 km and site location on 1:50,000/1:25, 000 scale on an A3/A2 sheet. (Including all eco-sensitive areas and environmentally sensitive places)
- (iii) Co-ordinates (lat-long) of all four corners of the site.
- (iv) Google map-Earth downloaded of the project site
- (v) Layout maps indicating existing unit as well as proposed unit indicating storage area, plant area, greenbelt area, utilities etc. I f located within an Industrial area/Estate/Complex, layout of Industrial Area indicating location of unit within the Industrial area/Estate.

- (vi) Photographs of the proposed and existing (if applicable) plant site. If existing, show photographs of plantation/greenbelt, in particular.
 - (vii) Land use break-up of total land of the project site (identified and acquired), government/private - agricultural, forest, wasteland, water bodies, settlements, etc. shall be included. (not required for industrial area)
 - (viii) A list of major industries with name and type within study area (10 km radius) shall be incorporated. Land use details of the study area.
 - (ix) Geological features and Geo-hydrological status of the study area shall be included.
 - (x) Details of Drainage of the project up to 5km radius of study area. If the site is within 1 km radius of any major river, peak and lean season river discharge as well as flood occurrence frequency based on peak rainfall data of the past 30 years. Details of Flood Level of the project site and maximum Flood Level of the river shall also be provided. (mega green field projects)
 - (xi) Status of acquisition of land. If acquisition is not complete, stage of the acquisition process and expected time of complete possession of the land.
 - (xii) R&R details in respect of land in line with state Government policy
- 5) Forest and wildlife related issues (if applicable):
- (i) Permission and approval for the use of forest land (forestry clearance), if any, and recommendations of the State Forest Department. (if applicable).
 - (ii) Land use map based on High resolution satellite imagery (OPS) of the proposed site delineating the forestland (in case of projects involving forest land more than 40 ha).
 - (iii) Status of Application submitted for obtaining the stage I forestry clearance along with latest status shall be submitted.
 - (iv) The projects to be located within 10 km of the National Parks, Sanctuaries, Biosphere Reserves, Migratory Corridors of Wild Animals, the project proponent shall submit the map duly authenticated by Chief Wildlife Warden showing these features vis-a-vis the project location and the recommendations or comments of the Chief Wildlife Warden-thereon.
 - (v) Wildlife Conservation Plan duly authenticated by the Chief Wildlife Warden of the State Government for conservation of Schedule I fauna, if any exists in the study area.
 - (vi) Copy of application submitted for clearance under the Wildlife (Protection) Act, 1972, to the Standing Committee of the National Board for Wildlife.
- 6) Environmental Status

- (i) Determination of atmospheric inversion level at the project site and site specific micro-meteorological data using temperature, relative humidity, hourly wind speed and direction and rainfall.
- (ii) AAQ data (except monsoon) at 8 locations for PM 10, PM2.5, SO₂, NO_x, CO and other parameters relevant to the project shall be collected. The monitoring stations shall be based CPCB guidelines and take into account the pre dominant wind direction, population zone and sensitive receptors including reserved forests.
- (iii) Raw data of all AAQ measurement for 12 weeks of all stations as per frequency given in the NAQQM Notification of Nov. 2009 along with - min., max., average and 98% values for each of the AAQ parameters from data of all AAQ stations should be provided as an annexure to the EIA Report.
- (iv) Surface water quality of nearby River (60m upstream and downstream) and other surface drains at eight locations as per CPCB/MoEF& CC guidelines.
- (v) Whether the site falls near to polluted stretch of river identified by the CPCB/MoEF& CC.
- (vi) Ground water monitoring at minimum at 8 locations shall be included.
- (vii) Noise levels monitoring at 8 locations within the study area.
- (viii) Soil Characteristic as per CPCB guidelines.
- (ix) Traffic feasibility / serviceability study for at least 3 days based on Indian Standard Codes. Further it shall also include the details of cross section of the road on which industry is located, vehicles movement w.r.t. the industry, traffic load of other vehicles on the road incorporating the haulage time for the vehicles for loading/unloading within the premises and parking requirement to avoid the traffic congestions on the link and adjoining roads. Traffic study shall be conducted considering the traffic of the industries located in the vicinity.
- (x) Detailed description of flora and fauna (terrestrial and aquatic) existing in the study area shall be given with special reference to rare, endemic and endangered species. If Schedule-I fauna are found within the study area, a Wildlife Conservation Plan shall be prepared and furnished.
- (xi) Socio-economic status of the study area.

7) Impact Assessment and Environment Management Plan

- (i) Assessment of ground level concentration of pollutants from the stack emission based on site-specific meteorological features. In case the project is located on a hilly terrain, the AQIP Modeling shall be done using inputs of the specific terrain characteristics for determining the potential impacts of the project on the AAQ. Cumulative impact of all sources of emissions (including

transportation) on the AAQ of the area shall be well assessed. Details of the model used and the input data used for modeling shall also be provided. The air quality contours shall be plotted on a location map showing the location of project site, habitation nearby, sensitive receptors, if any.

- (ii) Water Quality modelling.
- (iii) Impact of the transport of the raw materials and end products on the surrounding environment shall be assessed and provided. In this regard, options for transport of raw materials and finished products and wastes (large quantities) by rail or rail-cum road transport or conveyor-cum-rail transport shall be examined.
- (iv) A note on treatment, recycling and reuse of wastewater from different plant operations, extent for different purposes shall be included. Complete scheme of effluent treatment. Characteristics of untreated and treated effluent to meet the prescribed standards of discharge under EPA Rules.
- (v) Details of stack emission and action plan for control of emissions to meet standards.
- (vi) Measures for fugitive emission control
- (vii) Details of hazardous waste generation and their storage, utilization and disposal. Copies of MOU regarding utilization of solid and hazardous waste shall also be included. EMP shall include the concept of waste-minimization, recycle/reuse/recover techniques, Energy conservation, and natural resource conservation.
- (viii) Proper utilization of fly ash shall be ensured as per Fly Ash Notification, 2009. A detailed plan of action shall be provided.
- (ix) Action plan for the green belt development in 33 % area with not less than 1,500 trees per hectares. giving details of species, width of plantation, planting schedule, post plantation maintenance plan for 3 years shall be included. The green belt shall be around the boundary and a scheme for greening of the roads used for the project shall also be incorporated
- (x) Action plan for rainwater harvesting measures at alternative sites shall be submitted to harvest rainwater from the roof tops and storm water drains to recharge the ground water and also to use for the various activities to conserve fresh water and reduce the water requirement from other sources.
- (xi) Total capital cost and recurring cost/annum for environmental pollution control measures shall be included.
- (xii) Action plan for post-project environmental monitoring shall be submitted.
- (xiii) Onsite and Offsite Disaster (natural and Man-made) Preparedness and Emergency Management Plan including Risk Assessment and damage control.

Disaster management plan should be linked with District Disaster Management Plan.

8) Occupational health

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

9) Corporate Environment Policy

- (i) Does the company have a well laid down Environment Policy approved by its Board of Directors? If so, it may be detailed in the EIA report.
- (ii) Does the Environment Policy prescribe for standard operating process / procedures to bring into focus any infringement / deviation / violation of the environmental or forest norms / conditions? If so, it may be detailed in the EIA.
- (iii) What is the hierarchical system or Administrative order of the company to deal with the environmental issues and for ensuring compliance with the environmental clearance conditions? Details of this system may be given.
- (iv) Does the company have system of reporting of non-compliances / violations of environmental norms to the Board of Directors of the company and / or shareholders or stakeholders at large? This reporting mechanism shall be detailed in the EIA report

10) Details regarding infrastructure facilities such as sanitation, fuel, restroom etc. to be provided to the labour force during construction as well as to the casual workers including truck drivers during operation phase.

11) Enterprise Social Commitment (ESC)

- (i) To address the Public Hearing issues, 2.5% of the total project cost of (Rs. ___crores), amounting to Rs. ___crores, shall be earmarked by the project

proponent, towards Enterprise Social Commitment (ESC). Distinct ESC projects shall be carved out based on the local public hearing issues. Project estimate shall be prepared based on PWD schedule of rates for each distinct Item and schedule for time bound action plan shall be prepared. These ESC projects as indicated by the project proponent shall be implemented along with the main project. Implementation of such program shall be ensured by constituting a Committee comprising of the project proponent, representatives of village Panchayat & District Administration. Action taken report in this regard shall be submitted to the Ministry's Regional Office. No free distribution/donations and or free camps shall be included in the above ESC budget

- 12) Any litigation pending against the project and/or any direction/order passed by any Court of Law against the project, if so, details thereof shall also be included. Has the unit received any notice under the Section 5 of Environment (Protection) Act, 1986 or relevant Sections of Air and Water Acts? If so, details thereof and compliance/ATR to the notice(s) and present status of the case.
- 13) A tabular chart with index for point wise compliance of above TORs.
- 14) The ToRs prescribed shall be valid for a period of three years for submission of the EIA-EMP reports along with Public Hearing Proceedings (wherever stipulated).

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

- (i) Details of proposed layout clearly demarcating existing & proposed features of the project within the plant.
- (ii) Total no. of furnaces & details including capacity of each furnace.
- (iii) Detail of the mechanical shredder to reduce the size of raw material.
- (iv) Complete process flow diagram describing each unit, its processes and operations, along with material and energy inputs and outputs (material and energy balance).
- (v) Details on design and manufacturing process for all the units.
- (vi) Details on environmentally sound technologies for recycling of hazardous materials, as per CPCB Guidelines, may be mentioned in case of handling scrap and other recycled materials.
- (vii) Details on requirement of raw materials, its source and storage at the plant.
- (viii) Details on requirement of energy and water along with its source and authorization from the concerned department. Location of water intake and outfall points (with coordinates).
- (ix) Details on toxic metal content in the waste material and its composition and end use (particularly of slag).

- (x) Details on toxic content (TCLP), composition and end use of chrome slag. Details on the recovery of the Ferro chrome from the slag and its proper disposal.

C. ADDITIONAL SPECIFIC TORS DECIDED DURING MEETING OF SEAC

- (i) The remaining study (one and half-months) shall be carried out by project proponent with immediate effect i.e. 02.05.2019.
- (ii) Public consultation is required for the projects as not located in notified industrial parks/estates.
- (iii) Certificate from the concerned authority w.r.t the location of protected areas as notified under the WildLife Protection Act, 1972 within 5 km radius from the boundary of the project site.
- (iv) Certificate from the Department of Town & Country Planning or concerned authorities to support the claim made by project proponent that the project site is located in the industrial zone as per the provisions of Master Plan of Town/City in the jurisdiction of which the project site is located.
- (v) Compliance of the siting criteria, standard operating practices, code of practice and guidelines if any prescribed by the SPCB/CPCB/MoEF&CC for such type of units.
- (vi) Necessary permissions from the Central Ground Water Authority (CGWA)/ State Ground Water Authority (SGWA)/concerned authority for the abstraction of ground water for the existing requirements as well as for the expanded unit. In case of not allowing such permission by the concerned authority for the abstraction of additional ground water for the expanded project, the project proponent shall propose alternative arrangements to meet out the additional water requirements. It shall be ensured that:-
 - a) In the projects where ground water is proposed as water source, the project proponent shall apply to the Central Ground Water Authority (CGWA)/ State Ground Water Authority (SGWA), as the case may be, for obtaining No Objection Certificate (NOC) if applicable.
 - b) Approval /permission of the CGWA/SGWA shall be obtained before drawing ground water for the project activities.
- (vii) Minimize the water consumption in the steel plant complex by segregation of used water, practicing cascade use and by recycling treated water.
- (viii) STP for treatment of waste water & reutilization of the treated water for core/non-core activities so as to achieve the Zero Liquid Discharge Condition as per the III (iv) of OM dated 09/08/2018 issued by the MoEF&CC for such units.

- (ix) 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.
- (x) In case of any acid pickling activity, the spent acid / effluents generated from such activities shall be utilized through authorized re-processors for converting the same into useful by-products like FeSO₄ etc. An agreement to this effect shall be made with the authorized agencies.
- (xi) Adequate area to be reserved and marked on the layout plan for the green belt as per the conditions laid down by the MoEF&CC as per the Standard EC Conditions prescribed for Induction/ Electric Arc Furnace & Rolling Mills circulated vide OM dated 09/08/2018.
- (xii) Detailed study report along with calculation for reserving land for loading or unloading of raw material, products, slag, hazardous waste as well as for storage of these materials and the area to be reserved for parking incorporating the time required for loading and unloading of vehicles for respective activities and minimum/maximum period for which storage of the above material is required in the premises. The areas for the respective activities to be marked on the layout plan.
- (xiii) Action plan for the compliance of standard operating procedures and upgradation of suction and treatment arrangement for the secondary emissions as prescribed by the State Pollution Control Board or by CPCB/MoEF&CC.
- (xiv) Compliance of standard operating procedures and up gradation of suction / treatment systems for the control of secondary emissions within the time frame prescribed by the State Pollution Control Board. Similar action is to be implemented in the proposed expansion project.
- (xv) 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.
- (xvi) The vehicles to be used for loading / unloading purpose shall not be parked along roadside so as to avoid the traffic congestion and dedicated parking place to be provided for the same.
- (xvii) Adopt green technologies to conserve the water and energy including shearing / cutting / bundling machines. Also to provide abrasive resistant fire bricks in the crucibles to reduce the periodic maintenance & disposal of discarded fire bricks.
- (xviii) Use of natural gas (if available) as substitute fuel wherever possible in the existing industry/ for expansion project.

- (xix) Compliance along with details of the cost to be spent on the activities and action plan specifying the timeline for completion of activities under Corporate Environment Responsibility as per Office Memorandum dated 01.05.2018 issued by the MoEFCC, New Delhi. As committed during presentation, the project proponent shall provide atleast 1% amount of the total project cost for the above activities.
- (xx) Compliance w.r.t. condition no.II [(i) & (iii)] subtitled as "Air Quality Monitoring & Preservation" regarding continuous emission monitoring system and continuous ambient air quality monitoring as prescribed in the Standard EC Conditions for Induction/ Electric Arc Furnace & Rolling Mills issued by the MoEF&CC, New Delhi vide OM dated 09/08/2018.
- (xxi) Examine and submit the proposal for: -
 - a) Recovery of iron from slag before disposing it off.
 - b) Identify the areas for utilization of slag in scientific manner and explore its usage in cement / construction industry / road laying etc.
 - c) Recovery of precious metals like Zinc, lead and iron etc. from the APCD dust (Hazardous waste) through authorized re-processor.
- (xxii) Air Pollution Control Arrangement details shall be provided as below:

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

- (xxiii) If any part of the data/information submitted by the project proponent is found to be false or misleading at any stage, then SEIAA & SEAC will not be responsible for the expenditure incurred on the project due to issuance of this ToR or subsequent work carried out by the project proponent for conducting EIA study or for any other activity related to the project.
- (xxiv) Mandatory clearances under Pollution Control laws.
- (xxv) Categorization of the project as B-1 category is subject to the compliance of the exemptions granted vis-à-vis General conditions mentioned in the EIA Notification, 2006 amended from time to time.

Executive Summary

Executive summary of the report in about 8-10 pages incorporating the following:

- (i) Project name and location (Village, Distt., State, Industrial Estate (if applicable)
- (ii) Products and capacities. If expansion proposal, then existing products with capacities and reference to earlier EC.
- (iii) Requirement of land, raw material, water, power, fuel, with source of supply (Quantitative)
- (iv) Process description in brief, specifically indicating the gaseous emission, liquid effluent and solid and hazardous wastes.
- (v) Measures for mitigating the impact on the environment and mode of discharge or disposal.
- (vi) Capital cost of the project, estimated time of completion
- (vii) Site selected for the project - Nature of land - Agricultural (single/double crop), barren, Govt./private land, status of its acquisition, nearby (in 2-3 km.) water body, population, within 10 km other industries, forest, eco-sensitive zones, accessibility, (note - in case of industrial estate this information may not be necessary)
- (viii) Baseline environmental data - air quality, surface and ground water quality, soil characteristic, flora and fauna, socio-economic condition of the nearby population
Identification of hazards in handling, processing and storage of hazardous material and safety system provided to mitigate the risk.
- (ix) Identification of hazards in handling, processing and storage of hazardous material and safety system provided to mitigate the risk
- (x) Likely impact of the project on air, water, land, flora-fauna and nearby population
- (xi) Emergency preparedness plan in case of natural or in plant emergencies
- (xii) Issues raised during public hearing (if applicable) and response given
- (xiii) CSR plan with proposed expenditure.
- (xiv) Occupational Health Measures
- (xv) Post Project monitoring plan

The following general points shall be noted:

- (i) The EIA document shall be printed on both sides, as far as possible.
- (ii) All documents shall be properly indexed, page numbered.
- (iii) Period/date of data collection shall be clearly indicated.
- (iv) The letter/application for environmental clearance shall quote the MOEF / SEIAA file No. and also attach a copy of the letter.

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

TORs prescribed by the State Expert Appraisal Committee (Industry) shall be considered for preparation of EIA-EMP report for the project in addition to all the relevant information as per the 'Generic Structure of EIA 'given in Appendix III and IIIA in the EIA Notification,2006. Where the documents provided are in a language other than English, an English translation shall be provided. The draft EIA-EMP report shall be submitted to the State Pollution Control Board of the concerned State for conduct of Public Hearing. The SPCB shall conduct the Public Hearing/public consultation, district-wise, as per the provisions of EIA notification,2006. The Public Hearing shall be chaired by an Officer not below the rank of Additional District Magistrate. The issues raised in the Public Hearing and during the consultation process and the commitments made by the project proponent on the same shall be included separately in EIA-EMP Report in a separate chapter and summarized in a tabular chart with financial budget (capital and revenue) along with time-schedule of implementation for complying with the commitments made. The final EIA report shall be submitted to the SEIAA, Punjab for obtaining environmental clearance.

Deliberation during 149th meeting of SEIAA held on 05.07.2019

The case was considered by the SEIAA in its 149th meeting held on 05.07.2019, which was attended by the following: -

- i) Sh. K.K. Walia, Director (Technical) on behalf of promoter company
- ii) Sh. Sital Singh, EIA Co-ordinator, M/s CPTL, SAS Nagar, Environment Consultant of the industry.
- iii) Sh. Sandeep Singh, FAE, M/s CPTL, SAS Nagar, Environment consultant of the industry.

Before allowing the project proponent to present the salient features of the project, SEIAA queried to the project proponent regarding distance of site from the MC limit of Ludhiana. To this, the project proponent submitted a copy of the letter issued by the Assistant Town Planner, Zone -B, Municipal Corporation, Ludhiana vide no. 290 dated

30.01.2019 wherein it has been reported that Khasra nos. 129(8-18), 130(10-15), 134(2-15), 135(6-17) with Khata no. 106/133 falling in Hadbast no. 244, Tehsil Payal is outside the MC limit. As such, distance certificate from the MC limit cannot be issued. SEIAA was not satisfied with the reply and observed that in order to verify as to whether General Condition applies to the project or not, a concrete report regarding the distance of the site from MC limit is required to be obtained in the matter.

After detailed deliberation, SEIAA decided that concerned Regional Office of PPCB be requested to send the report clarifying as to whether the site of the industry falls within the 5 KM radius of the MC limit (critically polluted area Limit) or outside the said radius, within fifteen days so that further action in the matter can be taken.

In compliance to the aforesaid decision, Regional Office of PPCB was requested vide letter no 696 dated 22/08/2019 to send the report clarifying as to whether the site of the industry falls within the 5 KM radius of the MC limit (critically polluted area Limit) or outside the said radius, within fifteen days so that further action in the matter can be taken.

Now, the PPCB vide letter no 682 dated 02.07.2020 informed that the site of the industry does not fall within the 5 KM radius of the MC limit (critically polluted area Limit). A copy of said letter is enclosed herewith as Annexure-A of the Agenda.

Deliberations during the 167th meeting of SEIAA held on 31.07.2020.

The case was placed in the 167th meeting of SEIAA held on 31.07.2020, which was attended by the following through Video Conference:

- iii) Sh. Gaurav Gupta, Director of the Promoter Company
- iv) Sh. Sital Singh, Environmental Consultant from M/s CPTL

SEIAA was apprised that the project proponent submitted a copy of the letter issued by the PPCB vide no. 682 dated 02.07.2020 in reference to the earlier observation raised by SEIAA wherein it was mentioned that the site of the industry does not fall within the 5 KM radius of the MC limit of Ludhiana City (Critically Polluted Area).

SEIAA queried to the project proponent to explain the delay made in the matter. To this, Environmental Consultant replied that delay has been made on the part of PPCB. However, they had issued a letter after sending a reminder by the SEIAA.

SEIAA was not satisfied with the reply of the Environmental Consultant and directed to follow up their cases timely with the stakeholder departments in future. Environmental Consultant replied that they will ensure the proper follow-up in the future.

After deliberations, SEIAA decided to accept the recommendations of SEAC and issue Terms of Reference as proposed by SEAC to the project proponent with following additional TORs: -

- i) Examine the installed capacity of the unit & submit the detailed calculations for the production quantities.

- ii) Submit the complete design & details of newly designed induction furnaces.
- iii) Submit the comparison between the newly designed induction furnaces and the old induction furnace.

Item No. 167.10: Application for issuance of Terms of Reference (TORs) Environmental Clearance under EIA notification dated 14.09.2006 for the Modernization of Residential Township located at sector- 97, 106 & 107, Mohali, Punjab by M/s Unitech Limited. (Proposal No. SIA/PB/NCP/47473/2019).

SEIAA observed as under: -

1.0 Background

Earlier, M/s Unitech Limited was granted Environmental Clearance vide letter no. 21-660/2006-IA.III dated 30-07-2007 by the MoEF&CC for the development of a residential colony on a plot area of 135.6 Hectares. The detail of the said Environmental Clearance is given below: -

- i) Area under plotted development was 51.86 Hectares. Total numbers of main plots are 1275. Area under Group housing was 8.28 Hectares. Area under commercial was 4.69 Hectares and area for EWS is 6.92 Hectares. Area under Green belt was 9.33 Hectares.
- ii) Total water requirement is 6461 KLD and STP was of 5250 KLD capacity. About 4135 KLD of treated effluent will be available from STP for recycling which will be used for flushing of toilets and for horticulture use. The surplus waste water will be discharged in the municipal drain.
- iii) About 18.5 tonne/day of solid waste was expected to be generated during the operation phase. The bio-degradable waste will be disposed of in composting pits. The non-bio-degradable will be disposed on PUDA's approved landfill sites. Total parking proposed was for Group Housing1-729, Group Housing2-1338 and for Commercial 570. The total cost of the project was Rs.830 crores.

1.1 Construction Status:

Work was partially completed on the land of 40.0 Acres during the validity period of Environment Clearance and the project is partially occupied.

1.2 Present case

Essential details were sought from the project proponent online on 12.01.2020 to which he replied on 21.01.2020.

The project proponent intimated that due to change in planning and reduction inland area, M/s Unitech Limited has applied for proposed development as modernization of Residential Township over the total plot area of 1149470.114 m² (284.04 Acres) and built-up area of 1349336.63 m² located at sector- 97, 106 & 107, Mohali, Punjab. The details of the project as given in Form I, Form IA, PFR, Proposed ToRs, and other documents are as under:

Table: Land Breakup as per prior Environment Clearance

Area	As per EC dated 30 July 2007		
	Sqm	Hectare	Acres
Plot Area	1355698.10	135.6	335.00
Land Surrender	-		-
Net Plot Area	1355698.10	135.6	335.00
Area under plots	518600.00	51.86	128.09
Area under GH	82764.76	8.28	20.4516
Area under Commercial	46880.04	4.69	11.5843
Area under EWS	69170.55	6.92	17.0924
Institutional	104943.22	10.5	25.93201
Green Area	92960.42	9.3	22.971
Road & Open Area	440405.96	44.04	108.8282
Total	1355724.95	135.57	334.95

Table: Land break up after modernization

Area	Sqm	Hectare	Acres
Plot area	1149470.114	114.95	284.04
Plotted	429412.315	42.941	106.11
GH	84267.766	8.427	20.823
commercial	29946.764	2.995	7.4
EWS	55288.201	5.529	13.662
Institutional	104943.174	10.494	25.932
utility	39493.307	3.949	9.759
STP	4127.797	0.413	1.02
Green	73114.620	7.311	18.067
Roads including berms	328876.172	32.888	81.267
Total	1149470.114	114.947	284.040

Table: Details of Plotted Development

Plotted	As per EC	Current plan	Constructed till date	Balance to be constructed	Total after modernization
Area Under plot	518600 sqm (51.86 ha)	429412.315 sqm (42.94 ha)	20840 sqm	408572.315 sqm	429412.315 sqm
FAR (Proposed)	777900 sqm		33579.75	611921.57	645501.32
Non FAR area	233370 sqm		10073.93	183576.48	193650.41
Builtup Area (I)	1011270 sqm		43653.680	795498.05	839151.73
No of plots	1275		92	1033	1125

Table: Details of Group Housing

Group Housing	As per EC	Current plan	Constructed till date	Balanceto be constructed	Total after modernizat ion
Area Under GH	82764.76 sqm (8.28 ha)	84267.766 sqm (8.42 ha)	34276.820 sqm	49990.946 sqm	84267.766 sqm
FAR (Proposed)	148976.568sqm		32348.844	134523.13	166871.974
Non FAR area	101304.0662 sqm		17644.7	99969.72	117614.42
Builtup Area (II)	250280.632 sqm		49993.54	234492.85	284486.39
NoofDwelling units			256	912	1168

Table: Details of commercial

commercial	As per EC	Current plan	Constructed	Tobe constructed	Totalafter moderniza tion
AreaUnder commercial	46880.0 sqm (4.69ha)	29946.764 sqm (2.99 ha)	No construction	29946.764 sqm (2.99 ha)	29946.764 sqm (2.99 ha)
FAR (Permissible)	82040 sqm			52406.72	52406.72
FAR (Proposed)	81571.2 sqm			52406.72	52406.72
Non FAR area	73414.08 sqm			48240.68	48240.68
Basement Area					
Builtup Area (III)	154985.28 sqm			100647.396	100647.396

Table: Details of Institutional

Institutional	As per EC	Current plan	Constructe d	Tobe constructed	Totalafter moderniza tion
AreaUnder Institutional	104943.22 (10.5ha)	92547.641 sqm (9.25 ha)	Not started	Yet92547.641 sq (9.25 ha)	92547.641 sqm (9.25 ha)
FAR (Permissible)				108216.82	108216.82
FAR (Proposed)	104943.22 sqm			108216.82	108216.82
Non FAR area	15741.48 sqm			16834.29	16834.29
Basement Area					
Builtup Area (IV)	120684.703 sqm			125051.1100	125051.110

Total Built up as Per EC (I+II+III+IV)

$$=1011270 \text{ m}^2+250280.632\text{m}^2+154985.28 \text{ m}^2+120684.703\text{m}^2=1537220.615 \text{ m}^2$$

Total Built up area after modernization (I+II+III+IV)
=839151.73m²+284486.39m²+100647.396 m²+125051.110m²= 1349336.63m²

Construction Status

Details	Plotted Development	Group Housing
Area Under plot	20840 m ²	34276.820 m ²
FAR (Proposed)	33579.75 m ²	32348.844 m ²
Non FAR area	10073.93 m ²	6143.630 m ²
Builtup Area (I)	43653.680 m ²	49993.54 m ²
No of plots	92	256

EWS plots are already developed and handed over to authorities.

Already Developed Area Details	
Plotted	5.150 Acres
Group Housing	5.000 Acres
STP	1.020 Acres
Green	6.316 Acres
Area Under Roads, Berms, circulation area including area under undetermined uses	22.514 Acres
Total	40 Acres

- As the Built-up area is more than 1,50,000 m², the project comes under Category B; activity 8 (b) of EIA notification 2006 and its subsequent amendments. Hence, we are applying for Terms of Reference for the project.
- The project will include activities such as Group Housing(Main Plots & EWS Plots), Plotted, Commercial and Institutional (N.S. & P.S., High School, Dispensary, ESS, Community Centre, Religious Site and other institutes)
- The total cost of the project shall be Rs. 371.33 Crores.
- The total population of the project after modernization will be 30916.
- After modernization, the total water requirement of the project will be 5065 KLD. Out of which fresh water requirement will be 2894 KLD. The source of water will be Municipal Supply and borewell water after taking permission as per Punjab tubewell act 1954.
- The total waste water generation will be 2670 KLD, the generated waste water will be treated in the Sewage Treatment Plant (STP)of combined capacity 3500 KLD based on MBBR Technology. STP of 75 KLD and 150KLD are already existing. Total

2430 KLD of treated water will be generated from STP out of which 2171 KLD of treated water will be reused for flushing, gardening, cooling and misc. purposes and remaining 259 KLD will be discharged to sewer line.

- Total 24 Nos. of rainwater harvesting pits (Existing- 10 & Proposed- 14) will be provided to recharge the groundwater.
- The total power requirement will be 34000kVA out of which 1000 kVA connection has already been taken. Power will be provided by Punjab State Power Corporation Ltd. For back-up purposes, DG Sets of 1x62.5 kVA, 1x125 kVA are already existing and DG sets of 5x1010 kVA are proposed which will be kept in an acoustic enclosure. Hence, to avoid the emissions proper stack height of 6 m above roof level will be provided as per CPCB norms to reduce the air emissions meeting all the norms prescribed by CPCB.
- The total solid waste generation from the proposed project will be approximately 11454 kg/day. From the proposed project the biodegradable waste of 6871kg/day will be generated which will be treated in Organic Waste Converter proposed within the project, recyclable waste of 2290 kg/day and 2290 kg/day plastic waste will be handed over to authorized recycler.
- Used Oil of approx.50L/month will be collected in leak proof containers at isolated place and then it will be given to approved recycler.
- E-Waste of approx. 5- 10 kg/month will be collected and given to approved recycler. Parking provision of 3360 ECS is proposed on the surface.
- Green area of 173114.620 m² will be provided as mandatory green. Residential plots will have their own green area inside the plots.

2.0 Deliberation during the 187th meeting held on 26.02.2020

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

- i) Sh.Sanjey Khanna (GM), and Tarun Sial (AGM) of the project proponent.
- ii) Ms. Ekta Chugh, M/s Perfact Enviro solution Pvt. Ltd.

SEAC allowed the Project proponent to present the salient features of the project and the Environmental Consultant of the same presented as under:

Sr. No.	Item	Details
1.	Online Proposal No.	SIA/PB/MIS/47473/201
2.	Name and Location of the project	Modernization of Residential Township is located at sector- 97, 106 & 107, Mohali, Punjab by M/s Unitech Limited

3.	Latitude & Longitude	<p>Corner coordinates:</p> <table border="1"> <thead> <tr> <th>Point</th> <th>Latitude</th> <th>Longitude</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>30°40'38.47"N</td> <td>76°40'35.64"E</td> </tr> <tr> <td>B</td> <td>30°40'0.61"N</td> <td>76°41'14.86"E</td> </tr> <tr> <td>C</td> <td>30°39'42.36"N</td> <td>76°40'34.96"E</td> </tr> <tr> <td>D</td> <td>30°40'19.87"N</td> <td>76°40'18.81"E</td> </tr> </tbody> </table>	Point	Latitude	Longitude	A	30°40'38.47"N	76°40'35.64"E	B	30°40'0.61"N	76°41'14.86"E	C	30°39'42.36"N	76°40'34.96"E	D	30°40'19.87"N	76°40'18.81"E
Point	Latitude	Longitude															
A	30°40'38.47"N	76°40'35.64"E															
B	30°40'0.61"N	76°41'14.86"E															
C	30°39'42.36"N	76°40'34.96"E															
D	30°40'19.87"N	76°40'18.81"E															
4.	Project/activity covered under the item of scheduled to the EIA Notification,14.09.2006	The project falls under Category 'B' Item 8(b) of the schedule of EIA notification, 2006 & its amendments.															
5.	Whether the project is in critical polluted area or not.	No															
6.	Does the project involves diversion of forestland.	No. Project does not involve any diversion of forest land.															
7.	Does the project covered under PLPA,1900,if No but located near to PLPA area then the project proponent is required to submit NOC from the concerned DFO to the effect that project area does not fall under the provision of PLPA Act,1900.	The project is not covered under PLPA, 1900.															
8.	Does the project fall within 10 km of eco-sensitive area/ National park/Wild Life Sanctuary?	No wildlife or bird sanctuary falls within 10 km of the project site, thus, there is no requirement of NBWL clearance.															
9.	Classification/Landuse pattern as perMaster Plan	As per the Master plan of SAS Nagar, Punjab (2031) the site is allocated for residential use.															
10.	Cost of the project	<p>Rs. 371.33 Crores for the expansion part. Detail of the fee for the processing of TOR application is given as under:-</p> <ul style="list-style-type: none"> i) Rs. 86,213 vide DD No. 616819 dated 17.01.2020 ii) Rs. 2,51,122 through RTGS vide UTR No. ANDVR 52020051100023541 dated 11.05.2020 iii) Total fee deposited Rs. 3,37,335 (25% of the total fee) which is adequate as per the office order dated 27.06.2019. 															

11.	Total Plot area, Built-up Area and Green area	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">S. No.</th> <th style="width: 50%;">Description</th> <th style="width: 20%;">Area</th> <th style="width: 20%;"></th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1.</td> <td>Plot Area</td> <td style="text-align: right;">11,49,470.114m² (284.04 Acre)</td> <td></td> </tr> <tr> <td style="text-align: center;">2.</td> <td>Built-up Area</td> <td style="text-align: right;">1349336.63</td> <td></td> </tr> <tr> <td style="text-align: center;">3.</td> <td>Green Area</td> <td style="text-align: right;">73,114.62 m²</td> <td></td> </tr> </tbody> </table>			S. No.	Description	Area		1.	Plot Area	11,49,470.114m ² (284.04 Acre)		2.	Built-up Area	1349336.63		3.	Green Area	73,114.62 m ²																	
S. No.	Description	Area																																		
1.	Plot Area	11,49,470.114m ² (284.04 Acre)																																		
2.	Built-up Area	1349336.63																																		
3.	Green Area	73,114.62 m ²																																		
12.	Population (when fully operational)	Estimated Population: 31,561 No.																																		
13.	Water Requirements & source in Construction Phase	20 KLD of water will be required during the construction phase, out of which 12 KLD of water will be used for 250 nos. of labours for domestic & flushing purpose which will be sourced through tankers from nearby STP and 8 KLD of water will be required for construction purpose through STP treated water from nearby area/ STP supplied through Tankers																																		
14.	<p>Breakup of Water Requirements & source in Operation Phase (Summer, Rainy, Winter):</p> <p>Total water requirement for the project after expansion will be 5152 KLD; out of which fresh water requirement will be 2981 KLD. Break-up of the same is given below:</p> <p>Summer:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">S. No.</th> <th style="width: 30%;">Description</th> <th style="width: 20%;">Existing water demand (KLD)</th> <th style="width: 40%;">Water demand after expansion (KLD)</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1.</td> <td>Cooling water demand</td> <td style="text-align: center;">Not submitted</td> <td style="text-align: center;">100 (Will be met from Process Water Demand)</td> </tr> <tr> <td style="text-align: center;">2.</td> <td>Domestic water demand</td> <td style="text-align: center;">Not submitted</td> <td style="text-align: center;">2981</td> </tr> <tr> <td style="text-align: center;">3.</td> <td>Process water</td> <td style="text-align: center;">Not submitted</td> <td style="text-align: center;">2171</td> </tr> <tr> <td colspan="2" style="text-align: center;">Total</td> <td style="text-align: center;">-</td> <td style="text-align: center;">5152 KLD</td> </tr> </tbody> </table> <p>Winter:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">S. No.</th> <th style="width: 30%;">Description</th> <th style="width: 20%;">Existing water demand (KLD)</th> <th style="width: 40%;">Water demand after expansion (KLD)</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1.</td> <td>Cooling water demand</td> <td style="text-align: center;">Not submitted</td> <td style="text-align: center;">80 (Will be met from Process Water Demand)</td> </tr> <tr> <td style="text-align: center;">2.</td> <td>Domestic water demand</td> <td style="text-align: center;">Not submitted</td> <td style="text-align: center;">2981</td> </tr> </tbody> </table>				S. No.	Description	Existing water demand (KLD)	Water demand after expansion (KLD)	1.	Cooling water demand	Not submitted	100 (Will be met from Process Water Demand)	2.	Domestic water demand	Not submitted	2981	3.	Process water	Not submitted	2171	Total		-	5152 KLD	S. No.	Description	Existing water demand (KLD)	Water demand after expansion (KLD)	1.	Cooling water demand	Not submitted	80 (Will be met from Process Water Demand)	2.	Domestic water demand	Not submitted	2981
S. No.	Description	Existing water demand (KLD)	Water demand after expansion (KLD)																																	
1.	Cooling water demand	Not submitted	100 (Will be met from Process Water Demand)																																	
2.	Domestic water demand	Not submitted	2981																																	
3.	Process water	Not submitted	2171																																	
Total		-	5152 KLD																																	
S. No.	Description	Existing water demand (KLD)	Water demand after expansion (KLD)																																	
1.	Cooling water demand	Not submitted	80 (Will be met from Process Water Demand)																																	
2.	Domestic water demand	Not submitted	2981																																	

3.	Process water	Not submitted	1806	
Total			4787 KLD	
Rainy:				
S. No.	Description	Existing water demand (KLD)	Water demand after expansion (KLD)	
1.	Cooling water demand	Not submitted	80 (Will be met from Process Water Demand)	
2.	Domestic water demand	Not submitted	2981	
3.	Process water	Not submitted	1634	
Total			4615 KLD	
S.No	Description	Source of water		
1.	Domestic	Ground Water		
2.	Make-up water demand for cooling	Treated Wastewater		
3.	Flushing purposes	Treated Wastewater		
4.	Green area water demand	Treated Wastewater		
5.	HVAC	--		
15.	Treatment & Disposal arrangements of waste water in Construction Phase	Total waste water generation from the residential township will be 10 KLD. Mobile toilets with septic tank for construction labours will be provided which will be cleaned regularly and hygienic conditions will be maintained at site.		
16.	Disposal Arrangement of Waste water in Operation Phase	Details	Quantity (After expansion)	Remarks
		Industrial Effluent	Nil	This is a Residential Township Project
		Domestic effluent	2740 KLD	The Wastewater will be treated in STP of 3500 KLD (Existing: 75 KLD)

				150 KLD, Proposed: 3275 KLD)																																	
17.	Rain water recharging detail	<p>24 Nos. of rainwater harvesting pits (Existing- 10 & Proposed- 14) will be provided after modernization. Size of Existing Pits:</p> <table border="1"> <thead> <tr> <th>S.no</th> <th>Location</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Sector 97</td> <td>8m X 8m</td> </tr> <tr> <td>2</td> <td>Sector 97</td> <td>8m X 8m</td> </tr> <tr> <td>3</td> <td>Sector 97</td> <td>8m X 8m</td> </tr> <tr> <td>4</td> <td>Sector 97</td> <td>8m X 8m</td> </tr> <tr> <td>5</td> <td>Sector 97</td> <td>8m X 4.5m</td> </tr> <tr> <td>6</td> <td>Sector 106</td> <td>5 m dia</td> </tr> <tr> <td>7</td> <td>Sector 106</td> <td>5 m dia</td> </tr> <tr> <td>8</td> <td>Sector 106</td> <td>8m X 4.5m</td> </tr> <tr> <td>9</td> <td>Sector 106</td> <td>8m X 4.5m</td> </tr> <tr> <td>10</td> <td>Sector 106</td> <td>8m X 8m</td> </tr> </tbody> </table>			S.no	Location	Size	1	Sector 97	8m X 8m	2	Sector 97	8m X 8m	3	Sector 97	8m X 8m	4	Sector 97	8m X 8m	5	Sector 97	8m X 4.5m	6	Sector 106	5 m dia	7	Sector 106	5 m dia	8	Sector 106	8m X 4.5m	9	Sector 106	8m X 4.5m	10	Sector 106	8m X 8m
S.no	Location	Size																																			
1	Sector 97	8m X 8m																																			
2	Sector 97	8m X 8m																																			
3	Sector 97	8m X 8m																																			
4	Sector 97	8m X 8m																																			
5	Sector 97	8m X 4.5m																																			
6	Sector 106	5 m dia																																			
7	Sector 106	5 m dia																																			
8	Sector 106	8m X 4.5m																																			
9	Sector 106	8m X 4.5m																																			
10	Sector 106	8m X 8m																																			
18.	Solid waste generation and its disposal	<p>i) Total solid waste generation-11744 kg/day ii) Solid waste will be appropriately segregated (at source by providing bins) into recyclable, biodegradable Components and non-biodegradable. iii) 7046 Kg/day of Biodegradable Solid Waste will be Converted into Manure using Composting Pits iv) 2349 Kg/day of Non-biodegradable will be Handed over to authorized recycler. v) 2349 Kg/day Plastic waste will be handed over to authorized recycler.</p>																																			
19.	Hazardous Waste & E-Waste	<p>The details of the hazardous waste generated is given below:</p> <table border="1"> <thead> <tr> <th>S. No.</th> <th>Description</th> <th>Existing</th> <th>After expansion</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Cat. 35.1 – Exhaust air or Gas cleaning Residue</td> <td>NA</td> <td>NA</td> </tr> </tbody> </table>			S. No.	Description	Existing	After expansion	1.	Cat. 35.1 – Exhaust air or Gas cleaning Residue	NA	NA																									
S. No.	Description	Existing	After expansion																																		
1.	Cat. 35.1 – Exhaust air or Gas cleaning Residue	NA	NA																																		

		2.	Cat. 5.1 – Used Oil	3 Lit/month	50 Lit/month												
		3.	Category 34.3 – ETP sludge	NA	NA												
		4.	Category 33.1 – Hazardous chemicals / waste	NA	NA												
20.	Energy Requirements & Saving	The details of the energy is given below:															
		S. No.	Descripti on	Existing	After expansion												
		1.	Power load	1 MVA	34 MVA												
		2.	D.G sets	2 x 62.5 kVA	5 x 1010 kVA												
		<u>Energy Saving Measures:</u>															
		a) LEDs will be used in place of CFL															
		b) Solar lights will be used for lighting the streets															
		c) Double reflective glass shall be used in commercial area only.															
		d) In the Residential part the energy efficient measures will be adopted by individual plot owners.															
21.	EnvironmentManagem ent Plan along with Budgetary breakup phase wise and responsibility to implement	<table border="1"> <thead> <tr> <th>Description</th> <th>Capital cost (lakhs)</th> <th>Recurring cost (lakhs)</th> <th>Monitoring of Air, Noise, water (per annum) Rs.</th> </tr> </thead> <tbody> <tr> <td>Constructio n</td> <td>-</td> <td>-</td> <td>Will be provided at the time of EIA</td> </tr> <tr> <td>Operation</td> <td>848.1</td> <td>74.5</td> <td>Will be provided at the time of EIA</td> </tr> </tbody> </table>				Description	Capital cost (lakhs)	Recurring cost (lakhs)	Monitoring of Air, Noise, water (per annum) Rs.	Constructio n	-	-	Will be provided at the time of EIA	Operation	848.1	74.5	Will be provided at the time of EIA
Description	Capital cost (lakhs)	Recurring cost (lakhs)	Monitoring of Air, Noise, water (per annum) Rs.														
Constructio n	-	-	Will be provided at the time of EIA														
Operation	848.1	74.5	Will be provided at the time of EIA														
22.	CER activities along with budgetary break up and responsibility to implement																
	Rs. 278lakhs (@ 0.75 % of expansion cost) is required for C.E.R activities as per																

Office Memorandum vide F. No. 22-65/ 2017-IA.III dated 01.05.2018.

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

Sr. No.	Observations	Reply submitted by the project proponent and his Environmental Consultant
1.	What is the present construction status.	Total 92 nos of plots having built up area of 43653.680 sqm and 256 no. group housing dwelling units of built up area 49993.54 sqm have been constructed.
2.	What is the reason for reduction in the proposed built up area than the Environmental Clearance granted earlier?	Due to change in planning as per market scenario, the planning has been revised for lesser area.
3.	The project proponent is required to submit complete details of CER activities to be carried out as per OM F. No. 22-65/ 2017-IA.III dated 01.05.2018.	Same will be submitted at the time of submission of EIA report for obtaining Environmental Clearance under the EIA Notification dated 14.09.2006.
4.	The project proponent needs to be submitted water balance diagram for the existing project and after amendment.	Same will be submitted at the time of submission of EIA report for obtaining Environmental Clearance under the EIA Notification dated 14.09.2006.
5.	The project proponent not submitted complete details of the Environment Management Plan.	Same will be submitted at the time of submission of EIA report for obtaining Environmental Clearance under the EIA Notification dated 14.09.2006.

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

3.0 Recommendations of SEAC

After detailed deliberations SEAC decided as under:

1. To issue Terms of References (ToRs) for obtaining Environmental Clearance under EIA notification dated 14.09.2006 for the Modernization of Residential Township is located at sector- 97, 106 & 107, Mohali, Punjab as per the Annexure-II of the proceedings of SEAC.
2. Northern Regional Office, MoEF Chandigarh be requested to send compliance report of the conditions of Environmental Clearance granted to the project

proponent earlier in compliance to OM dated 07.09.2017

4.0 Deliberations during 163rd meeting of SEIAA held on 29.05.2020

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

- i) Ms. Neha Tando, Project Manager of the promoter company.
- ii) Ms. Ektachugh, EIA Coordinator, M/s Perfect Enviro solution Pvt. Ltd.

Environmental Consultant of the Promoter Company presented the salient features of the project and requested for issuance of TORs. A copy of the presentation submitted by the project proponent was taken on record by the SEIAA

During discussions, the Project Manager of the promoter company agreed to prepare detailed EIA on the basis of Terms of Reference as recommended by the SEAC. SEIAA observed that the SEAC has categorized the project into B-1 category (activity listed 8 (b) of the schedule) without public consultation as not required for the said projects and has recommended specific TORs for undertaking detailed EIA & EMP for such type of projects.

During the meeting, it was apprised to SEIAA that Northern Regional office, MoEF Chandigarh has already been requested vide letter no 1581 dated 14.05.2020 to send compliance report of the conditions of Environmental Clearance granted to the project proponent earlier in compliance to OM dated 07.09.2017.

SEIAA looked into the details of the case and was satisfied with the same. Therefore, the Authority decided to accept the recommendations of SEAC and approved following Terms of Reference for undertaking detailed EIA & EMP as finalized by SEAC for the Modernization of Residential Township is located at sector- 97, 106 & 107, Mohali, Punjab :

Standard Terms of Reference

- 1) Examine details of land use as per Master Plan and land use around 10 km radius of the project site. Analysis should be made based on latest satellite imagery for land use with raw images. Check on flood plain of any river.
- 2) Submit details of environmentally sensitive places, land acquisition status, rehabilitation of communities/villages and present status of such activities.
- 3) Examine baseline environmental quality along with projected incremental load due to the project.
- 4) Environmental data to be considered in relation to the project development would be (a) land, (b) groundwater, (c) surface water, (d) air, (e) bio-diversity, (f) noise and vibrations, (g) socio economic and health.
- 5) Submit a copy of the contour plan with slopes, drainage pattern of the site and surrounding area. Any obstruction of the same by the project
- 6) Submit the details of the trees to be felled for the project.
- 7) Submit the present land use and permission required for any conversion such as forest, agriculture etc.

- 8) Submit Roles and responsibility of the developer etc for compliance of environmental regulations under the provisions of EP Act.
- 9) Ground water classification as per the Central Ground Water Authority.
- 10) Examine the details of Source of water, water requirement, use of treated waste water and prepare a water balance chart.
- 11) Rain water harvesting proposals should be made with due safeguards for ground water quality. Maximize recycling of water and utilization of rain water. Examine details.
- 12) Examine soil characteristics and depth of ground water table for rainwater harvesting.
- 13) Examine details of solid waste generation treatment and its disposal.
- 14) Examine and submit details of use of solar energy and alternative source of energy to reduce the fossil energy consumption. Energy conservation and energy efficiency.
- 15) DG sets are likely to be used during construction and operational phase of the project. Emissions from DG sets must be taken into consideration while estimating the impacts on air environment. Examine and submit details.
- 16) Examine road/rail connectivity to the project site and impact on the traffic due to the proposed project. Present and future traffic and transport facilities for the region should be analysed with measures for preventing traffic congestion and providing faster trouble-free system to reach different destinations in the city.
- 17) A detailed traffic and transportation study should be made for existing and projected passenger and cargo traffic.
- 18) Examine the details of transport of materials for construction which should include source and availability.
- 19) Examine separately the details of construction and operation phases both for Environmental Management Plan & Environmental Monitoring Plan with cost and parameters.
- 20) Submit details of a comprehensive Disaster Management Plan including emergency evacuation during natural and man-made disaster.
- 21) Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
- 22) The cost of the Project, Capital cost and recurring cost towards implementation of EMP for the Construction Phase and Operation Phase of the project should be clearly spelt out.
- 23) Any further clarification on carrying out the above studies including anticipated impacts due to the project and mitigative measure, project proponent can refer to the model ToR available on Ministry website "<http://moef.nic.in/Manual/Townships>".

Additional TORs

- 1) Submit details of the EIA Consultant including NABET accreditation and an undertaking to the effect that EIA/EMP prepared by them.
- 2) Submit dully filled check list for environmental clearance project & synopsis of the project available on web site i.e www.pbdecc.gov.in.
- 3) The project proponent shall submit proper index with page numbering.

- 4) Submit proof of ownership of land (existing owner) such as copy of latest Jamabandi (not more than one month old) and credible document showing status of land acquisition w.r.t. project site as prescribed in OM dated 07.10.2014 issued by MoEF)
- 5) Submit Layout plan duly approved by the Competent Authority / Conceptual plan of the project
- 6) Submit 500 m radius map of the area from periphery of project site clearly indicating the various industries (specifically red category industries) and structures lying in the area.
- 7) Submit dully filled prescribed field data sheets and analysis reports along with exact location of sampling / monitoring point marked on the layout map. Also submit the status of approvals of Laboratories.
- 8) Submit cost of the project duly certified by Chartered Engineer/ Approved valuer / Chartered Accountant. In the absence of above, the project proponent may submit self-certified detail of cost of the project mentioning the cost of Land, building, infrastructure and plant & machinery
- 9) Submit a a copy of acknowledgement along with set of application filed to CGWA /Competent Authority for obtaining permission for abstraction of ground water.
- 10) Submit a letter from concerned Local Body / Authority giving details as under:
 - i) Availability of the water supply in the area, exact position of water supply line duly marked on the layout map / plan and providing the water supply to the proposed project.
 - ii) Availability of the existing sewer duly marked on layout map and status of sewer connectivity indicating feasibility with respect to the project sewer & acceptance of quantity of sewage.
 - iii) Acceptance of Solid Waste indicating quantity to be generated by the proposed project.
- 11) Submit Location plan showing the exact location of the project site w.r.t. some permanent / important features of the area and site plan of the project showing the following:
 - i) Location of STP
 - ii) Solid waste storage area
 - iii) Green belt with marking of tree
 - iv) Parking space
 - v) RWH and water recharge pits
 - vi) Firefighting equipment layout
 - vii) First aid room
 - viii) Location of Tube-wells
 - ix) DG Sets and Transformers
 - x) Any other utilities
- 12) Examine and submit the details of the environmental impacts at the stage of land acquisition including aspects such as displacement of families, rehabilitation, acquiring of agricultural/forest land, acquiring of ecologically important lands and water bodies.

- 13) Examine and submit the details of the environmental aspects, impacts and their mitigation measures at the stage of construction and operation phase of the projects as indicated in Appendix III of EIA Notification 2006 and the manual titled as "EIA guidance Manual-Building, Construction, Township and area Development projects" published by the Ministry of Environment & Forests, New Delhi.
- 14) Submit the details of the socio-economic impact due to the employment to be generated from the household activities.
- 15) Management plan to utilise the entire earth generated within the site may be worked out and submitted.
- 16) Submit the status of ground water table. Also examine the impacts of abstraction of ground water on the ground water table.
- 17) Design of rain water harvesting/storage as per CGWA norms be worked out and submitted.
- 18) Submit plan for installation of own STP based on SBR Technology on module basis of adequate capacity within project site for the treatment the waste water generated from the project and utilising maximum treated sewage water to reduce the demand on the fresh water
- 19) Submit layout plan dully marked with at least single line plantation all around the boundary of the project and number of trees considering a minimum of one tree for every 80 sqm of total project land. The existing trees will be counted separately for this purpose.
- 20) Submit the percentage of the green area to be developed and maintenance plan for 3 years indicating cost to be incurred.
- 21) List the species with heavy foliage, broad leaves and wide canopy cover. The landscape planning should include plantation of native species. Water intensive and/or invasive species should not be used for landscaping.
- 22) Submit scheme to handle the organic waste generated from the project
- 23) Examine details of the management & handling of E- waste, hazardous waste, scrap, construction and demolition waste management.
- 24) Submit plumbing system for reuse of treated wastewater for flushing/ HVAC/ other purposes etc. and colour coding of different pipe lines carrying water/wastewater from different sources / treated wastewater shall be provided as follows:

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

e)	Treated wastewater (for reuse only for plantation purposes) from the STP treating black water	Green
f)	Treated wastewater (for reuse for flushing purposes or any other activity except plantation) from the STP treating grey water	Green with strips
g)	Storm water	Orange Color

- 25) Delineate the concrete proposal regarding activities to be undertaken under Corporate Environmental Responsibility indicating the followings:-
- i) various activities to be undertaken as per the provision of OM dated 01.05.2018
 - ii) proportionate provisions of funds,
 - iii) the period in which CER activities is to be implemented
 - iv) the person(s) responsible for the implementation.
- 26) What is the hierarchical system or Administrative order of the company to deal with the environmental issues and for ensuring compliance with the EC conditions? Details of this system may be given.
- 27) For expansion project: -
- i) Submit detail of every component (water details, waste water details, solid waste, energy requirement etc.) in the format of existing, proposed and after expansion.
 - ii) Submit the super imposed plan on appropriate readable size (the existing building plan superimpose with proposed building plan in different colors).
 - iii) Specify the adequacy of internal water supply system, sewer line and STP for the proposed expansion/revision
 - iv) Submit Structural Safety/ Stability Certificate may be required from the Approved Engineer (In case of increase in no. of story's.)
- 28) Examine the requirement of separate Environment clearance under the EIA Notification 14.09.2006 for Individual Group Housing Projects which are to be established within the project site.
- 29) Re-examine the Green area as per the MoEF & CC guidelines and resubmit the same.
- 30) Design the STP for the treatment of waste water considering the water demand @ 200 LPCD.
- 31) Submit the valid certificate of EIA consultant issued by the NABET.

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

The 'Terms of Reference' (TORs) prescribed will be valid for a period of three years from its issuance. The project proponent should prepare a detailed EIA / EMP

Report for its project-based on the above Terms of Reference and submit the same to the SEIAA for its appraisal.

4.0 Deliberations during the 167th meeting of SEIAA held on 31.07.2020.

The case was placed in the 167th meeting of SEIAA held on 31.07.2020. SEIAA was apprised as under: -

- i) Terms of Reference are yet to be issued to the project proponent.
- ii) The project proponent vide email dated 06.07.2020 informed that as per the minutes of the 163rd meeting of SEIAA held on 29.05.2020 displayed on the website, the project configuration is not matching with the presentation submitted before SEIAA.
- iii) An undertaking regarding minor changes in the project configuration was submitted before SEAC on 26.02.2020 and the details of the said minor changes are annexed as Annexure-B of the agenda
- iv) As per the record file of the project, it was found that the project proponent submitted an undertaking on 26.02.2020 but the same has not been incorporated in the minutes of SEAC.
- v) Request of the project proponent regarding incorporating the minor changes as per Annexure-B may please be considered.

SEIAA observed that the request of the project proponent was not incorporated in the minutes of SEAC by mistake. A request was made by project proponent to issue the Terms of Reference after incorporating the minor changes as mentioned in Annexure-B.

After detailed deliberations, SEIAA decided to accept the request of the project proponent and issue the Terms of Reference after incorporating the minor changes as mentioned in the request letter.

Item No. 167.11: Hon'ble NGT Order dated 15.07.2020 in the matter of OA No. 125/2020 titled Kulwant Singh & Ors. Vs UOI & Ors.

SEIAA observed as under: -

Hon'ble NGT in the OA No. 125/2020 titled Kulwant Singh & Ors. Vs UOI & Ors. has passed an order on 15.07.2020, which is annexed as **Annexure-C**.

The matter relates to the Talwandi Sabo Power Ltd. (TSPL), Mansa to pay environmental compensation for damage to the environment and the agricultural fields on account of unscientific management of the fly ash. On account of such activities radioactive and heavy metals in coal and fly ash have affected the soil, apart from air pollution caused on account of emissions from the plant of the said unit.

As per the said order of Hon'ble NGT, a joint Committee comprising CPCB, State PCB, SEIAA, Punjab and District Magistrate, Mansa has been constituted to furnish a factual and action taken report including restoration plan for damage to the environment and assessment of realistic compensation of the damage caused. The nodal agency for compliance will be State PCB.

The joint Committee may give an opportunity to unit in question of giving its viewpoint which may be independently verified. The report be furnished within three months by e-mail at judicialngt@gov.in

A copy of the report may also be furnished to Justice Jasbir Singh, former Judge of Punjab and Haryana High Court who has been appointed to look into certain environmental issues in the State of Punjab for information and such action as may be found necessary. A copy of the said order has also been sent to CPCB, State PCB, SEIAA, Punjab and District Magistrate, Mansa and Justice Jasbir Singh, by e-mail.

The case is listed for further consideration on **07.01.2021**.

Deliberations during the 167th meeting of SEIAA held on 31.07.2020.

The matter was placed in the 167th meeting of SEIAA held on 31.07.2020. SEIAA perused the order passed by the Hon'ble NGT on 15.07.2020.

SEIAA observed that the matter relates to the Talwandi Sabo Power Ltd. (TSPL), Mansa to pay environmental compensation for damage to the environment and the agricultural fields on account of unscientific management of the fly ash.

After deliberations, SEIAA decided that Dr. Sunil Mittal, Member SEIAA shall represent the SEIAA in the committee constituted by Hon'ble NGT. He shall coordinate with the Nodal Agency i.e. PPCB on behalf of SEIAA to comply with the order dated 15.07.2020 passed by the Hon'ble NGT in the OA no.125/2020 titled Kulwant Singh and Ors. Vs UOI & Ors.

Item No. 167.12: Regarding the status of various Court Cases pending before the Hon'ble Court.

SEIAA was apprised the latest status of Court cases relating to the different Hon'ble Courts as under:

Sr. No.	Name of the case/Industry	Year of filing the case	U/s/Act and Brief of Violation	Remarks (Interim orders of last hearing of court)	Present Status and next date of hearing
1	CWP no. 21351 of 2016 filed by M/s Janta Land Promoters Ltd. v/s Union of India & others	2016 SSTE, PPCB, SEAC & SEIAA have been impleaded as Respondent no. 2, 3, 4 & 5.	The project proponent has contended that Janta Land Promoter Ltd. has taken the Environmental Clearance for whole area which included their project site also. As such, the individual project does not require Environmental clearance.	Lastly, the court was attended on 19.02.2020. During hearing, Mr. Aman Sharma, Advocate appeared on behalf of SEIAA, who accepted the notice on behalf of respondents No. 4 and 5 and prays for time to file a reply to the application.	The case listed on 03.07.2020, which was adjourned to 17.08.2020 Draft status report in the matter was prepared and handed over to the advocate engaged in the matter for filing the same in the Hon'ble High Court.
2	CWPno.21940 of 2018 titled as Sukhdev Singh & Others v/s State of Punjab & others	2018 SEIAA have been impleaded as Respondent no. 4	The petitioner has prayed about shifting of Solid Waste facility from the present venue i.e. Bhagtanwala to some other alternative site.	The reply has been filed on behalf of respondent no 4 i.e SEIAA in the Hon'ble Court on 24.01.2020.	Case was listed on 21.07.2020 and then adjourned to 08.10.2020.
3	CWP no.6777 of 2019 titled as	2019	The petitioner has prayed	Earlier, case was	Case was listed on

	Piyar Kaur & Another v/s Union of India & others filed through Advocate Satinder Kaur in Hon'ble Punjab & Haryana High Court, Punjab	SEIAA has been impleaded as Respondent 09.	that he has been falsely implicated in the illegal mining case. PPCB vide letter no. 19258 dated 28/06/2019 informed that Sh. Sahil Sharma, Advocate has been appointed to appear before the Hon'ble Court on behalf of SEIAA	listed on 16.11.2019 and Sh. Sahil Sharma, Advocate appearing on behalf of SEIAA (Respondent No. 9) submitted in the court that he does not want to file any reply as no prayer has been made against the SEIAA Lastly, Listed on 16.03.2020	21.07.2020 and adjourned to 08.10.2020
4	Review Petition in CWP 27115 of 2019 CM 1234 of ___ 2020 RA-CW- 31 of 2020 M/s Surya Land Promoters Pvt. Ltd. Vs Union of India &Ors.	2020	Review petition filed against the order of High court dated 25.09.2019	A review petition was filed by the SEIAA on 17.01.2020. The case was listed on 24.03.2020	Case was listed on 21.07.2020 and adjourned to 06.10.2020 MoEF&CC was requested vide letter no. 1869 dated - 29.07.2020 to send a copy of the reply file in the Hon'ble High Court.
5	CWP No 1483 of 2020 Jalandhar Human Welfare Society Vs State of Punjab	2020	Requested to cancel the Environmental Clearance. SEIAA is one of respondent i.e. Respondent no	Reply was filed on 12.03.2020 on behalf of SEIAA. Case was listed on 01.04.2020	Case was listed on 02.07.2020 and adjourned to 13.08.2020

			6		
6.	CWP 20853 of 2019 Premdeep Singh Shergil Vs State of Punjab & Others	2020	Copy of petition received SEIAA is one of respondent i.e. Respondent no 5	Mail received on 31.01.2020 Reply has been approved by SEIAA in its 162nd meeting held on 19.03.2020. However, same has yet to be signed by MS(SEIAA)	Case was listed on 16.07.2020 and adjourned to 17.09.2020. Reply has been prepared and got signed from MS SEIAA on 21.05.2020. Reply is handed over to the Advocate for filing in the court. He replied on 15.06.2020 that reply will be filed as and when court open

Before Hon'ble NGT

Sr. No.	Name of the case/Industry	Year of filing the case	U/s/Act and Brief of Violation	Remarks (Interim orders of last hearing of court)	Present Status and next date of hearing
1	OA No. 980/2019 tilted as Harminder Singh & others. v/s Union of India & others	2019	NGT constituted a team in the matter	Lastly listed on 06.12.2019. Report was filed on 05.12.2019 through email Detailed order passed on	Case was listed on 21.05.2020 * Updated status is not available. The matter is placed in the instant agenda i.e. (167 th meeting) at item no.

				03.03.2020	167.15
2.	OA no. 55/2020 tilted as M/s Bachitter Singh Versus State of Punjab &Ors.	2020	NGT constituted a team in the matter. SEIAA decided that Sh. Deepak Sethi will represent SEIAA in the committee and he was informed vide email dated 21.05.2020	Detailed order passed on 03.03.2020	Case was listed on 07.07.2020 and adjourned to 22.09.2020.

Earlier, the matter was considered by the SEIAA in its 165th meeting held on 19.06.2020 wherein SEIAA decided as under: -

- i) In the matter of 21351 of 2016, Punjab Pollution Control Board be asked to engage Ms Rita Kohli, Sr Advocate and appear on 03.07.2020 on behalf of respondents No. 4 (SEAC) & respondent 5 (SEIAA) before the Hon'ble High Court Chandigarh as she is already appearing in the same case on behalf of PPCB.
- ii) In the matter of M/s Surya Land Promoters Pvt. Ltd. Vs Union of India & Ors., reply given by the DTP, Ludhiana be placed in the next meeting of SEIAA and MoEF, New Delhi be requested to send a copy of the reply filed in the Hon'ble High Court, Chandigarh.
- iii) In the matter of CWP 20853 of 2019 titled Premdeep Singh Shergill Vs State of Punjab & Others, reply be filed through MS SEIAA well before the next date of hearing i.e. 16.07.2020.
- iv) In the matter of OA No. 980/2019 tilted as Harminder Singh & others v/s Union of India & others Chief Engineer, Water Resources be again requested to send the report regarding illegal filling of rivulet and diversion of rivulet at village Kansala at the earliest so that the same be discussed in a joint meeting and action taken report could be sent to the Hon'ble NGT.
- v) As the action is pending, Director, DECC, be requested to empanel the experienced advocates in the field of Environment.
- vi) Standing counsel may be asked a day before to appear in their respective case as per the listed date before the respective Court.
- vii) Updated status of court cases pending before various Hon'ble Courts be placed in every meeting of SEIAA.

In compliance with the above-said decision, it is submitted as under: -

- i) Punjab Pollution Control Board has already been requested vide letter no Spl-1 dated 20/06/2020 to engage Ms. Rita Kohli, Sr Advocate and appear on 03.07.2020 on behalf of respondents No. 4 (SEAC) & respondent 5 (SEIAA) before the Hon'ble High Court Chandigarh. Further, PPCB vide letter no 13552 dated 25.06.2020 has engaged the said advocate. This is for information.
- ii) The matter of M/s Surya Land Promoters Pvt. Ltd. Vs Union of India & Ors., is placed as item no 167.16 in the instant agenda (167th meeting of SEIAA) for consideration.
- iii) MoEF, New Delhi & Regional Office, Chandigarh has been requested vide letter 29.07.2020 to send a copy of the reply filed in the Hon'ble High Court, Chandigarh
- iv) In the matter of CWP 20853 of 2019 titled Premdeep Singh Shergill Vs State of Punjab & Others, dully signed reply has already been handed over to the Advocate Suveer Shoekand. He was contacted telephonically on 14.07.2020 & informed that reply is yet to be filed due to the reason of COVID as working of the court is not normalized.
- v) Matter of OA No. 980/2019 tilted as Harminder Singh & others v/s Union of India & others is placed as item no 167.15 in the instant agenda (167th meeting of SEIAA) for consideration.
- vi) Director, DECC, has been requested vide letter 29.07.2020 to empanel the experienced advocates in the field of Environment.
- vii) Decision No vi and vii) mentioned above is noted for compliance.

Deliberations during the 167th meeting of SEIAA held on 31.07.2020.

The matter was considered by the SEIAA in its 167th meeting held on 31.07.2020. SEIAA perused the aforesaid compliance report.

After deliberations, SEIAA decided that action taken report on decision no. (ii), (iii) and (iv) and (v) will be placed in the next meeting of SEIAA as and when scheduled as a followed up item.

Item No 167.13: Monitoring report of the projects of environmental clearance granted to M/s Flowtech Chemicals (P) Limited and M/s Shiva Exim Enterprises.

SEIAA observed as under: -

Northern Regional office of MoEF&CC, Chandigarh vide letter no. 97 dated 26.07.2019 and 100 dated 26.07.2019 has sent the monitoring reports of M/s Flowtech Chemicals (P) Limited and M/s Shiva Exim Enterprises, which were annexed as Annexure-D & E of agenda. In both cases, it was concluded that no major non-compliance was observed during the visit. However, additional general observations are as follows:

- i) No waste water was found to be discharged outside the unit premises.
- ii) The unit has installed Chlorine Leak Detention Sensor.
- iii) No Borewell for abstraction of Ground water was observed.
- iv) Few trees were observed within the unit premises and there is still scope of further plantation along the periphery of the unit.

Deliberations during the 167th meeting of SEIAA held on 31.07.2020.

The matter was considered by the SEIAA in its 167th meeting held on 31.07.2020. SEIAA perused the monitoring report of the project annexed at Annexure 'D' and 'E' of the agenda. SEIAA observed that besides aforesaid general observations, some of the Environmental Conditions were not complied or partially complied.

After deliberations, SEIAA decided that project proponents of respective projects be asked to submit the action taken report on the not complied or partially complied conditions of Environmental Clearance to SEIAA, within 30 days, failing which further necessary action in the matter will be taken.

Item No.167.14: Request for the extension in validity of Environmental Clearance granted for Establishment of two modules of CETP (one for organic wastewater and the other for inorganic wastewater) of capacity 2500 KLD each in the revenue estate of village Vallah, District Amritsar by M/s Penguin Buildtech Pvt. Ltd. And Veer Colonizers & Builders Pvt. Ltd.

SEIAA observed as under: -

M/s Penguin Buildtech Pvt. Ltd. And Veer Colonizers & Builders Pvt. Ltd. was granted Environmental Clearance vide letter no. SEIAA/2473 dated 20.04.2015 for the establishment of two modules of CETP (one for organic wastewater and the other for inorganic wastewater) of capacity 2500 KLD each in the revenue estate of village Vallah, District Amritsar.

Now the project proponent requested to consider the validity of Environmental Clearance for their project up to 19.04.2022 as per the OM issued by the MoEF on 12.04.2016.

A copy of the said OM is annexed as Annexure-F of the agenda for kind perusal, please.

Deliberations during the 167th meeting of SEIAA held on 31.07.2020.

The case was placed in the 167th meeting of SEIAA held on 31.07.2020. SEIAA perused the OM dated 12.04.2016 and observed that Environmental Clearance of the projects which had not completed five (5) years on the date of 29.04.2015, their validity will stand automatically extended to seven (7) years.

Since the said project was granted EC on 20.04.2015 and the said EC had not completed five years on 29.04.2015, the validity of Environmental Clearance granted by SEIAA vide letter no. SEIAA/2473 dated 20.04.2015, is deemed valid for seven years i.e. up to 28.04.2022.

After detailed deliberations, SEIAA decided that the project proponent be informed as above.

Item no. 167.15: Construction of 100 ft wide road to PR-4 at Mullanpur (New Chandigarh), Punjab, in the matter if OA No. 980/2019 titled as Harminder Singh & Others Vs Union of India & Others before the National Green Tribunal, New Delhi.

SEIAA observed as under: -

1.0 Background:

1. M/s Omaxe New Chandigarh Developer Pvt. Ltd has submitted an explanation to GMADA in reference to the letter issued by GMADA vide letter No. GMADA/CE/2019/819 dated 02-12-19 with regard to clear the debris dumped in the waterway of the natural drain.
2. The Chief Engineer, GMADA vide letter dated 17.12.2019 addressed to M/s Omaxe New Chandigarh Developer Pvt. Ltd in reference to his letter no ONCDPL/DM/2019-19 dated 04.12.2019 informed that since the final report of the committee already stands submitted on NGT on 05.12.2019 and now M/s Omaxe New Chandigarh Developer Pvt. Ltd can submit their point of view regarding removing the debris dumped in the waterway of a natural drain to Chairman, SEIAA, Punjab.
3. However, GMADA has directed M/s Omaxe New Chandigarh Developer Pvt. Ltd. should take immediate action to clear the debris as already instructed vide his office letter dated 02.12.2019.

SEIAA was apprised that the present status of the said OA on the website of NGT is showing pending, neither any order after the order of 25.09.2019 nor any next date of hearing is available online.

SEIAA observed that since the matter relates to the Hon'ble NGT, the reply submitted by the project proponent vide letter no ONCDPL/DM/2019-19 dated 04.12.2019 to GMADA, be obtained from GMADA so that further action in the matter can be taken. The decision of SEIAA has been conveyed to GMADA vide letter no. 1466 dated 03.03.2020.

The matter was considered by the SEIAA in its 162nd meeting held on 19.03.2020 and it was observed as under: -

- 1) M/s Omaxe New Chandigarh Developer Pvt. Ltd has submitted its response in reference to GMADA letter no CE/GMADA/2019/74047 dated 17.12.2019 regarding immediate action to clear the debris.
- 2) While sending a copy of the complaint, Secretary, Real Estate Regulatory Authority Punjab vide memo no 8077 dated 31.12.2019 informed as under: -

- i) A complaint has been received from Mr. Sunil Goyal, Promoter & Former JMD of Omaxe Ltd. vide letter dated 12/10/2019, alleging that the Environment Clearance Certificate does not cover the project land (Beacon Street, Located at Omaxe New Chandigarh)
 - ii) In reply to the above complaint, M/s Omaxe submitted a copy of the letter no. SEIAA/2017/228 dated 21.03.2017 issued by State Level Environment Impact Assessment Authority Punjab and stated that the promoter (M/s Omaxe Ltd.) had again applied on 04.05.2018 for Environment Certificate to the SEIAA, covering a further increased area of the project for 759 Acres which included the area of Beacon Street as well, which is pending and under consideration since 02.01.2019 before the Authority.
 - iii) RERA requested that contention of M/s Omaxe Ltd. may kindly be confirmed
- 3) SEIAA was apprised that the status of the proposal (SIA/PB/NCP/25992/2018)) submitted for issuance of Terms of Reference was checked online and it was observed as under:-

S. No.	EDS Sought Date	EDS Sought
(1.)	22/05/2018	EDS raised
(2.)	02/01/2019	The corrections have been made as per the instruction received.
(3.)	08/01/2019	EDS raised again.
(4.)	22/01/2020	The corrections have been made as per the instruction received.

- 4) Hon'ble NGT has also passed the detailed order in the matter on 03.03.2020. A copy of said order is annexed as Annexure-C and the relevant part of the NGT order is reproduced as under:-
- "The State PCB may assess and recover compensation on 'Polluter Pays' principle. The GMADA may also enforce its directions in letter dated 28.03.2014, Annexure B-1 to the report. The Committee may look into the issue of diversion of the river at village Kansala which has not been gone into so far. Illegal filling up of the river and raising illegal construction and remedial action be also examined by the Committee. The illegal construction may either have to be removed or compensation assessed and recovered. For this purpose, representatives of the Central Pollution Control Board (CPCB), IIT Roorkee, and the State PCB will be a separate Committee. The nodal agency for compliance and coordination would be the State PCB. A report may be furnished before the next date by e-mail at judicial-ngt@gov.in. "
- The case was listed on 21.05.2020 for further consideration.
- 5) It was also apprised that a copy of the said order has already been sent to the Chief Engineer, GMADA, Chief Engineer, Department of Water Resources, Punjab,

and Chief Town Planner, Mohali through email on 13.03.2020 for taking necessary action in the matter under intimation to this office. A copy of the said order has also been emailed to Member Secretary, PPCB for information and taking necessary action in the matter being PPCB the nodal agency in the matter.

After detailed deliberations, SEIAA decided as under: -

- 1) Response submitted by M/s Omaxe New Chandigarh Developer Pvt. Ltd in reference to GMADA letter no CE/GMADA/2019/74047 dated 17.12.2019 regarding immediate action to clear the debris to be sent to the Chief Engineer, GMADA, and Chief Engineer, Department of Water Resources, Punjab for taking further necessary action in the matter. A copy of the NGT order dated 03.03.2020 also be sent to the both for its meticulous compliance.
- 2) Status of the proposal (SIA/PB/NCP/25992/2018) be conveyed to the Secretary, Real Estate Regulatory Authority Punjab in reference to his memo no 8077 dated 31.12.2019.
- 3) Application submitted by M/s Omaxe New Chandigarh Developer Pvt. Ltd. (Proposal (SIA/PB/NCP/25992/2018)) be scrutinized at the earliest and thereafter, necessary action in the matter be taken to decide the application. Status report be also sought from concerned RO of PPCB regarding this case as a complaint has already been received by RERA Punjab.
- 4) As Hon'ble NGT have constituted the new committee consisting of representatives of the Central Pollution Control Board (CPCB), IIT Roorkee and the State PCB (as the nodal agency for compliance and coordination), no further action is required to be taken by the SEIAA, in the matter except illegal filling of river and diversion of river at village Kansala. For this purpose Chief Engineer, Water Resources was contacted by the Chairman, SEIAA on the telephone to whom the order of Hon'ble NGT has already been emailed. Chief Engineer, Water Resources be requested to send the report in this case at the earliest so that the same be discussed in a meeting and the action can be taken accordingly.

In compliance to the above-said decisions, the following actions have been taken:-

- 1) Response submitted by M/s Omaxe New Chandigarh Developer Pvt. Ltd in reference to GMADA letter no CE/GMADA/2019/74047 dated 17.12.2019 regarding immediate action to clear the debris has been sent to the Chief Engineer, GMADA and Chief Engineer, Department of Water Resources, Punjab vide letter no 1588 dated 20.05.2020 and letter no 1589 dated 20.05.2020 respectively for taking further necessary action in the matter. A copy of the NGT order dated 03.03.2020 has also been sent to the both for its meticulous compliance
- 2) Status of the proposal (SIA/PB/NCP/25992/2018) has been conveyed vide letter no 1599 dated 20.05.2020 to the Secretary, Real Estate Regulatory Authority Punjab in reference to his memo no 8077 dated 31.12.2019

- 3) Application submitted by M/s Omaxe New Chandigarh Developer Pvt. Ltd. (Proposal (SIA/PB/NCP/25992/2018)) has been scrutinized and EDS has been conveyed on 14.04.2020. Status report has also been sought vide letter no 1597 dated 20.05.2020 from Regional office, Mohali.
- 4) Chief Engineer, Water Resources was requested vide letter no 1596 dated 20.05.2020 to send the report regarding illegal filling of river and diversion of the river at village Kansala at the earliest so that the same be placed before SEIAA and the action can be taken accordingly.

In reference to SEIAA letter no 1596 dated 20.05.2020, Chief Engineer Drainage vide letter no 966-67 dated 23.06.2020 has sent its report regarding illegal filling of rivulet and diversion of a rivulet at village Kansala, which was annexed as Annexure-A of the Agenda item.

2.0 Deliberation during 166th meeting of SEIAA held on 26.06.2020

The case was considered by the SEIAA in its 166th meeting held on 26.06.2020. The report regarding illegal filling of rivulet and diversion of a rivulet at village Kansala and the orders of Hon'ble NGT dated 03.03.2020 were perused by the SEIAA in detail.

SEIAA observed that Hon'ble NGT in its order dated 03.03.2020 had constituted a separate Committee consisting of a representative of Central Pollution Control Board (CPCB), IIT Roorkee and the State PCB, which will look into the issue of diversion of the river at village Kansala (which has not been gone into so far) including the examination of Illegal filling up of the river & raising illegal construction, remedial action and assessment of compensation to be recovered. In the said order, State PCB has been nominated as a Nodal Agency for compliance and coordination.

After detailed deliberations, SEIAA decided as under:-

- i) Report sent by the Chief Engineer, Drainage vide letter no. 966-67 dated 23.06.2020 be forwarded to the PPCB, immediately through e-mail for consideration in the committee constituted by the Hon'ble NGT and sending the report to the Hon'ble NGT in compliance to its order dated 03.03.2020.
- ii) Regional office of the PPCB, Mohali be followed up for asking the detailed status report as sought vide letter no 1597 dated 20.05.2020 as a complaint was received in the matter.

In compliance to the aforesaid decisions, the following actions have been taken:

- i) Report sent by the Chief Engineer, Drainage vide letter no. 966-67 dated 23.06.2020 has been forwarded to the PPCB, through e-mail on 28.06.2020 for consideration in the committee constituted by the Hon'ble NGT and sending the report to the Hon'ble NGT in compliance to its order dated 03.03.2020.
- ii) Regional office of the PPCB, Mohali has been requested vide letter no. 1899 dated 29.07.2020 to send the report in the matter.

In this regard, it is submitted that SEE, ZP-1 vide email dated 18.07.2020 informed as under

"The Second committee constituted in the subject matter has deliberated this issue during its meeting held through VC on 7.7.2020 and again in the subsequent teleconferencing held on 17.7.2020. The committee while acknowledging the report shared by the SEIAA observed that filing of the above report of Chief Engineer(Drainage) does not come under the domain of the 2nd Committee. SEIAA may take appropriate action at their end with respect to the above report."

3.0 Deliberations during the 167th meeting of SEIAA held on 31.07.2020.

The matter was placed before SEIAA in its 167th meeting held on 31.07.2020 and perused the aforesaid report sent by SEE, ZP-1 vide email dated 18.07.2020. After detailed deliberations, SEIAA decided as under:

- (i) Report sent by the Chief Engineer, Drainage vide letter no. 966-67 dated 23.06.2020 be forwarded to the Hon'ble NGT, through e-mail for consideration.
- (ii) The matter shall be followed up with the Regional office of the PPCB, Mohali to sought report in reference to SEIAA letter no. 1899 dated 29.07.2020.

Item No. 167.16: Regarding CWP No. 27115 of 2019 in the matter of M/s Surya Land Promoters Pvt. Ltd. v/s UOI and Others in the Hon'ble Punjab and Haryana High Court at Chandigarh.

SEIAA observed as under: -

1.0 Background:

A civil Writ petition was received through e-mail by the Chairman, SEIAA. After perusal of the said writ petition, it was observed that the said CWP was filed by M/s Surya Land Promoters Pvt. Ltd. and titled as M/s Surya Land Promoters Pvt. Ltd. v/s Union of India . The said CWP was filed for the following:

1. For issuance of the appropriate writ, direction or order particularly in the nature of Certiorari for quashing clarification dated 25.03.2019 issued by MoEF&CC whereby it has been incorrectly stated that projects with land area less than 50 ha, but built-up area more than 20,000 sqm may be appraised as per the provisions of Schedule 8 (a) and Schedule 8(b) and the petitioner being State Developer/ Town Planner and not a builder cannot be included under Schedule 8(a).
2. For issuance of the appropriate writ, direction or order particularly in the nature of Certiorari for quashing clarification by SEIAA dated 09.07.2019 wherein the learned authority has incorrectly placed reliance on the clarification dated 25.03.2019 issued by MoEF&CC and thereby incorrectly concluding that the total built up area in the case of petitioner is more than 20,000 sqm and thus, the project of the petitioner will be appraised under Schedule 8(a)- Building and Construction Projects.
3. For issuance of appropriate writ order or direction in the nature of mandamus declaring the Environmental Clearance is not mandatory in the case of the petitioner as the same is not covered by the EIA Notification, 14.09.2006 as amended from time to time.
4. For issuance of any other appropriate writ, order or direction which this Hon'ble Court may deem fit and proper under the facts and circumstances of the case.

The relevant part of the order of Hon'ble Punjab & Haryana High Court, Chandigarh dated 25.09.2019 in the matter is as under:

"Accordingly, in view of the statement made by the learned counsel appearing on behalf of the State of Punjab, No Objection Certificate be issued to the petitioner within six weeks by the State of Punjab."

During the course of hearing of the above said CWP, Sh. Meetinder Singh Mann, District Town Planner, Ludhiana submitted before the Hon'ble High Court through the learned counsel appearing on behalf of the State of Punjab that

"... the petitioner company is not required to obtain any clearance from the Ministry of Environment, Forest and Climate Change.."

In pursuance to the said order, Dy. DGF (Central), MoEF&CC vide letter no. 19-366/2019-ROC dated 01.10.2019 had written to the Chief Secretary, Punjab to direct the concerned department to provide the documentary evidence or statutory authority authorizing Sh. Meetinder Singh Mann, District Town Planner, Ludhiana to make above averments before the Hon'ble High Court at an early.

Earlier, Govt. Of Punjab, Deptt. of Forests & Wildlife Preservation O/o Principal Chief Conservator of Forests (HoFF), SAS Nagar vide letter No. FCA/1980/19/2013/4928 dated 26.12.2018 sought clarification in the case of M/s Surya Land Promoters Pvt. Ltdas to whether the Project Proponent was required to obtain Environment Clearance for their project or not.

Northern Regional Office of MoEF&CC, Chandigarh vide letter no. 164 dated 05.04.2019 forwarded a copy of the letter no. 22-8/2019-IA-III dated 25.03.2019 of the Ministry wherein MoEF&CC has clarified that as on date, projects with land area less than 50 ha but built-up area more than 20,000 sqm may be appraised as per the provisions of schedule 8(a) of the EIA notification, 2006 as amended from time to time and the said letter was taken on record by SEIAA.

Accordingly, the Addl. PCCF & Nodal Officer (FCA), Department of Forests & Wildlife Preservation, O/o Principal Chief Conservator of Forests (HOFF), Forests Complex, Sector- 68, SAS Nagar was informed vide this office letter no. 518 dated 09.07.2019 to the effect that the project attracted the provisions of EIA Notification dated 14.09.2006 with activity listed at 8(a)- Building & Constructions Project in light of clarification dated 25.03.2019 issued by MoEF&CC. Copy of the same was also endorsed to the project proponent.

2.0 Deliberations during the 153rd meeting of SEIAA held on 17.10.2019.

The matter was considered by SEIAA in its 153rd meeting held on 17.10.2019, wherein, it was appraised that M/s Abohar Developers LLP., Sukhbir, Bhawan Block- K 2, No. 501, Room No. 22, Tarachand Colony, Near Mata Chowk, Mahipalpur Extension, New Delhi – 1100337 vide letter dated 07/10/2019 has made request along with copy of orders of the Hon'ble High Court to Deputy Director General- Forests and Dy. Inspector General of Forests for the issuance of NOC for removal of Trees from PWD Roads & Diversion of 0.018618 ha of forest land for the approach road to the proposed colony.

In view of the above, SEIAA observed that DTP, Ludhiana was not competent to decide whether any project requires EC or not. Also, his statement did not align with the clarification issued by the MoEF& CC in such cases.

After detailed deliberations, SEIAA decided that Directorate of Environment & Climate Change be requested to engage advocate on behalf of SEIAA in the matter to file a review petition in the Hon'ble Punjab & Haryana High Court.

In compliance with the aforesaid decision, the matter was taken up with the DECC and it was decided that PPCB be requested to engage an advocate in the matter as no legal cell is available with DECC. Accordingly, the Member Secretary, PPCB was requested vide letter no. 945 dated 26.11.2019 to engage a senior advocate on behalf of SEIAA, Punjab so as to file review in the subject cited matter.

PPCB has now suggested Sh. Suveer Sheokand, Additional Advocate General, Punjab as the counsel in the matter. He was contacted on 03.01.2020 and again on 06.01.2020 and accordingly review petition has been prepared and the same is annexed as Annexure-I of the agenda

3.0 Deliberations during the 159th meeting of SEIAA held on 08.01.2019.

The matter was discussed in 159th meeting of SEIAA held on 08.01.2019. The SEIAA examined the Review Petition prepared in consultation with the advocate, in detail. The SEIAA suggested some additions/amendments in the Review Petition & approved the same. The SEIAA decided that Member Secretary, SEIAA shall file the Review Petition on behalf of SEIAA, Punjab in the Hon'ble Punjab & Haryana High Court, Chandigarh.

In compliance with the aforesaid decision, Review Petition on behalf of SEIAA, Punjab was filed in the Hon'ble Punjab & Haryana High Court, Chandigarh on 17.01.2020.

4.0 Deliberations during the 165th meeting of SEIAA held on 19.07.2020.

It was apprised that Review Petition RA-CW- 31 of 2020 in CWP 27115 of 2019 CM 1234 of 2020 tilted M/s Surya Land Promoters Pvt. Ltd. Vs Union of India &Ors. was listed on 21.07.2020 and Hon'ble High Court adjourned the matter to 06.10.2020. After detailed deliberations, SEIAA decided as under: -

- i) Reply given by the DTP, Ludhiana be placed in the next meeting of SEIAA.
- ii) MoEF, New Delhi be requested to send a copy of the reply filed in the Hon'ble High Court, Chandigarh.

In compliance with the decision of 165th meeting of SEIAA held on 19.07.2020,

- i) MoEF&CC was requested vide letter dated 29.07.2020 to send a copy of the reply file in the Hon'ble High Court.
- ii) Reply given by the DTP, Ludhiana was placed 167th meeting of SEIAA held on 31.07.2020 as Annexure-G of Agenda.

5.0 Deliberations during the 167th meeting of SEIAA held on 31.07.2020.

The matter was placed before SEIAA in its 167th meeting held on 31.07.2020. During the meeting, SEIAA was apprised as under: -

- i) Sh. Meetinder Singh Mann, District Town Planner, Ludhiana vide letter no. 3366-69 dated 25.10.2019 has submitted its reply in reference to MoEF&CC vide letter no. 19-366/2019-ROC dated 01.10.2019 to the Deputy DGF Central, MoEF Chandigarh.

A copy of the same was also endorsed to SEIAA for information, which was annexed as Annexure-G of the agenda.

- ii) DTP Ludhiana concluded that the affidavit submitted in the Hon'ble court by him on the instruction of competent authority is in consonance with the notification dated 14.09.2006 and official record and MoEF&CC Chandigarh was requested to set their house in order before making false and baseless averments to the higher authorities. SEIAA was not satisfied with the explanation given by the DTP Ludhiana.

After detailed deliberations, SEIAA decided as under:

- (i) Regional Office MoEF&CC Chandigarh be requested
- (ii) to send the latest status report and action taken, if any, in reference to the reply submitted by DTP Ludhiana to MoEF&CC Chandigarh.
- (iii) The matter shall be followed up with the Regional office of MoEF&CC Chandigarh to sought a copy of the reply submitted in the review petition no. RA-CW-31 of 2020 filed before Hon'ble High Court Chandigarh in the matter of CWP 27115 of 2019 with respect to the SEIAA letter no. 1869 dated 29.07.2020.

Meeting ended with a vote of thanks to the Chair.
