Proceeding of 211th meeting of State Expert Appraisal Committee (SEAC) to be held on 25.12.2021 in the Conference Hall no. 2 at 10:30 AM, MGSIPA Complex, Sector-26, Chandigarh.

The following were present:

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

Item No. 211.01: 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)

1.0 Background

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

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

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

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

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

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

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

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

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

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

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

(iv) They had expanded the production beyond the limit of EC.

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

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

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

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

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

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

1.1 Deliberation during 167th meeting of SEAC held on 26.05.2018

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

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

1.2 Salient Features of the project

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

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

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

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

	16	Freshwater requirement	246	KLD
	17	Wastewater Generation	280	KLD
	18	Proposed STP Capacity	340	KLD
	19	Treated Water Available for Reuse	224	KLD
	20	Recycled Water	151	KLD
	21	Surplus treated water	73	KLD
	22	Rain Water Harvesting Potential	14934.82	CUM
	23	No of RWH of Pits Proposed	12	NOS
	24	Proposed Total Parking	756	
	25	Surface Parking	379	ECS
	26	Basement Parking	377	ECS
	27	Required Green Area	4106.336	SQM
	28	Proposed Green Area (36.85%)	17704.465	SQM
	29	Municipal Solid Waste Generation	2.01	TPD
	30	Quantity of E-Waste Generation-Kg/Day	13.0	KG/DAY
	31	Quantity of Hazardous Waste Generation	Oil =0.3	LTS/DAY
	32	Quantity of Sludge Generated from STP	56	KG/DAY
	33	Total Power Requirement	5800	KW
	34	DG set backup	1050	KVA

16	Municipal wastes (domestic and or commercial wastes)	(i) Solid waste generated from the residential block and other areas will be collected daily on door-to-door basis by the dedicated and trained housekeeping staff. Twin bin systems will also be provided for segregation at sources. Recyclable wastes will be sold to vendors and non- recyclable wastes will be disposed of through authorized agencies to the municipal waste disposal site. (ii) Biodegradable waste will be treated in an organic waste converter and will be used as a manure for horticulture development.

		(iii) MSW including horticulture waste will be handled as per the Municipal Solid Waste Management & Handling Rules, 2016
17	Detail of DG sets	DG set of 1050 KVA (1 X 300+ 1 X 750) is being used as a power backup during power failure. HSD (low sulfur variety as per availability) fuel is being used for DG sets.
18	Air pollution control	(i) Chimney on DG sets (ii) Generators will be placed either in acoustic chambers or a canopy.
19	Hazardous wastes (as per Hazardous Waste Management Rules)	(i) Waste oil from DG sets is only hazardous waste generation from the project. This waste oil is being carefully stored in HDPE drums in isolated covered space and sold to recyclers authorized by CPCB/SPCB. (ii) Suitable care is being taken to prevent spills/leaks of used oil from storage.
20	Give details of the water requirements met from water harvesting? Furnish details of the facilities create	(i) The rainwater collected from the rooftop, green area, and other paved areas will be collected through the network of stormwater drainage lines & conveyed to the RWH system. (ii) RWH system shall consist of de-silting cum filter chamber, oil and grease separator and pits are designed to store 15 minutes peak hour rainfall, for recharge into ground aquifer & to prevent flooding in the complex
21	Energy Requirements & Saving	The building envelop materials shall comply with ECBC norms on the whole building performance basis. The energy-saving shall be more than base capacity based on ECBC norms.

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

1	Proposal No	SIA/PB/NCP/22975/2018
2	Date of submission of application	13.09.2017

3	Date of acceptance of application	22.05.2018
4	Meeting of SEAC in which case was considered	167th meeting held on 26.05.2018
5	ADS 14.06.2018	Submit a hard copy of the application.
7	Reply received in reference to ADS	The project proponent submitted the hard copy of the application on 23/10/2019
6	ADS 05.05.2020	1. As to whether the list of persons responsible for the violation has been submitted. 2. As to whether the project has been constructed at a site that under prevailing law is permissible. if yes, has the project proponent submitted any documentary proof in this regard. 3. Whether permission has been obtained for the abstraction of the groundwater from the CGWA or not? 4. Whether any specific ToRs for the project on assessment of ecological damage, remediation plan and natural and community resources augmentation plan have been submitted?
8	Reminder	A reminder was issued through email 06.05.2020 wherein it was requested to submit the reply online to the observations immediately, otherwise, it will be presumed that the project proponent has nothing to say and the project will be delisted in light of the OM dated 30.10.2012. However, no reply has been received so far.

2.0 Deliberation during 190th meeting of SEAC held on 27.06.2020

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

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

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

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

3.0 Recommendation of SEAC

After detailed deliberations, SEAC decided as under:

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

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

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

No report has been received from the PPCB, so far.

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

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

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

In compliance with the aforesaid decision, PPCB has been issued a reminder vide 3622 dated 09.03.2021. The matter was also put up on the e-office on 26.02.2021. Another reminder was also sent to the PPCB vide letter no. 3676 dated 07.04.2021.

M/s Lotus Melange Projects Pvt. Ltd. vide letter dated 14.04.2021 has now intimated regarding the stay/recall of the proceedings, execution, summon and warrants against the Ansal Lotus Melange Projects Pvt. Ltd. and its Directors in pursuance of court order in view of the order dated 07.04.2021 passed by NCLT, New Delhi under section 9 and section 14 of insolvency and bankruptcy code, 2016. A copy of the said letter which was annexed as Annexure-4 of Agenda**.**

The promoter company has requested that since insolvency proceedings have been commenced against the company Ansal Lotus Melange Projects Pvt. Ltd. by NCLT and it

has stayed all judicial proceedings against the corporate debtor including **execution of any judgement, decree or order in any court of law, tribunal, arbitration panel or other authority**, so no proceedings can be initiated against the said company and its directors in view of the submissions made above.

6.0 Deliberations during 180th meeting of SEIAA held on 26.04.2021.

The case was considered by SEIAA in its 180th meeting held on 26.04.2021 through Video Conference, which was attended by Sh. Parvir Singh, DGM Projects, M/s Ansal Lotus Melange Projects Pvt. Ltd. and Dr. Sandeep Garg, M/s Eco Laboratories & Consultant Pvt. Ltd., Environmental Consultant on behalf of the promoter company.

To a query by SEIAA regarding the occupancy in the project, Sh. Parvir Singh, DGM Project informed that about 400 plots have already been handed over by them and occupied by the allottees. It was also informed that an auditor has been appointed for the start of liquidation process of the project.

SEIAA was also apprised that Sh. Ravdeep Singh, Assistant Environmental Engineer of the Regional Office, PPCB, Mohali was contacted telephonically who informed that a complaint u/s 15 & 16 read with section 19 of the Environmental (Protection) Act, 1986 has already been filed in the Hon'ble Court of Law.

SEIAA observed that M/s Ansal Lotus Melange Projects Pvt. Ltd. has failed to complete the project and insolvency proceedings have been commenced against the company by Hon'ble National Company Law Tribunal, Principal Bench, New Delhi and that the Tribunal vide order dated 07.04.2021 has stayed all proceedings against the corporate debtor including execution of any judgement, decree or order in any court of law, tribunal, arbitration panel or other authority.

After detailed deliberations, SEIAA decided to send the matter to Senior Advocate for taking the legal opinion with respect to the following aspects:

(i) Can criminal proceedings u/s 15 & 16 read with section 19 of the Environmental (Protection) Act, 1986 be initiated / continued against the violators when the Hon'ble National Company Law Tribunal, Principal Bench, New Delhi has stayed all proceedings vide order dated 07.04.2021 against the corporate debtor including execution of any judgement, decree or order in any court of law, tribunal, arbitration panel or other authority?

(ii) What legal action can be taken by the SEIAA in the matter, under the provisions of the EIA Notification, 14.09.2006 as amended time to time since this project was started without obtaining prior Environmental Clearance under the provisions of EIA Notification, 14.09.2006?

In compliance with the aforesaid decision, Sh. Sandeep Khunger, Sr. Advocate has been requested to provide the legal opinion vide letter 4115 dated 11.05.2021. However, the reply is yet awaited.

Member Secretary, PPCB vide letter no. 2464 dated 03.05.2021 (Annexure-5 of agenda) informed that the project site was visited by the officers of the Board on 26.02.2021 to verify the construction status of the project. During visit, it was observed as under:

(i) The project proponent has completed construction work of 516 flats and about 200-250 families are residing in these flats.

(ii) The promoter company has proposed to construct additional 128 flats of (G+15) and 64 flats of (G+ 15) storied building. During visit, no construction activity was going at the site and the construction status remain same as observed earlier in the year 2018. The detail of construction status of the project at the site is as under:

Configuration	No. of Towers	No. of flats	Construction status
G+9	8no.	40 flats each i.e., total 320 flats	Construction work completed and families are residing.
G+9 (8th / 9th pent house)	8 no.	34 flats each i.e., total 320 flats	Construction work completed and families are residing.
G+3	2 no.	34 flats each i.e., total 68 flats	Construction work completed and families are residing.
G+15	1 no.	128 flats	Roof of 3rd floor has been casted.
G+15	1 no.	64 flats	Roof of basement has been casted and column work above basement has been completed.
G+3 (EWS)	1 Block	72 flats	Civil construction work has been completed and finishing work is to be started.
Total flats		780	

(iii) The project proponent has installed STP and the same was in operation at the time of visit.

(iv) Prosecution has been launched u/s 15, 16 read with section 19 of the Environment (Protection) Act, 1986 against the project proponent and the responsible persons in the court of JMIC, Kharar. The case is now fixed for hearing on 15/6/2021.

7.0 Deliberations during 182nd meeting of SEIAA held on 24.05.2021.

The case was considered by SEIAA in its 182nd meeting held on 24.05.2021 through Video Conference, which was attended by Sh. Parvir Singh, DGM Projects, M/s Ansal Lotus Melange Projects Pvt. Ltd. and Dr. Sandeep Garg, M/s Eco Laboratories & Consultant Pvt. Ltd., Environmental Consultant on behalf of the promoter company.

SEIAA noted that the original EC had been issued in favour of M/s Ansal Lotus Melange Projects Pvt. Ltd but as per their own representation, proceedings had been initiated by NCLT under section 14 of Bankruptcy and Insolvency Code, 2016, against this firm. The Locus standi of M/s Ansal Lotus Melange Projects Pvt. Ltd to submit the application for issue of TOR's was, therefore, questionable. This basic issue could not be replied to satisfactorily by either the Project Proponent or their Environmental Consultant.

SEIAA was also apprised as under:

(i) Website of M/s Ansal API, has been scrutinised and it was observed that Orchard County is a project of M/s Ansal API.
(ii) M/s Ansal Lotus Melange Projects Pvt. Ltd. is a Joint Venture of M/s Ansal API and M/s Lotus Melange.
(iii) The application bearing proposal no. SIA/PB/NCP/22975/2018 for issuance of Terms of Reference for expansion of Group Housing Project Namely "Orchard County" has been submitted by M/s Ansal Lotus Melange Pvt. Ltd against which proceedings have been initiated by NCLT under section 14 of Bankruptcy and Insolvency Code, 2016.

It is evident from Sr. No's (i), (ii) & (iii) above that the project proponent has either attempted to mislead SEIAA by submitting the wrong name of applicant i.e., M/s Ansal Lotus Melange Pvt. Ltd. or the information available on the website of M/s Ansal API regarding Orchard County being a project of M/s Ansal API, is incorrect. To this, Environmental Consultant has sought some time to clarify the same.

SEIAA observed that in the absence of basic clarity regarding the very ownership of the project, application submitted by the project proponent is required to be delisted.

After detailed deliberations, SEIAA decided to defer the case and issue show cause notice for delisting the Project to the Project Proponent affording a final opportunity to file their reply clarifying the ownership of the project as also their locus standi for seeking issue of

TOR's after commencement of the insolvency proceedings initiated by the NCLT, New Delhi, within 30 days, failing which their application would be delisted.

In compliance with the aforesaid decision, show cause notice was issued to the Project Proponent for delisting vide letter no. 4232-4234 dated 07.06.2021. Notice was also emailed to the project proponent on 08.06.2021. No reply has been received from the project proponent till date.

2.0 Deliberations during 186th meeting of SEIAA held on 29.07.2021

The case was considered by SEIAA in its 186th meeting held on 29.07.2021, which was attended by the following through Video Conference:

(i) Mr. Parvir Singh, DGM Projects, M/s Ansal Lotus Melange Projects Pvt. Ltd.
(ii) Ms. Simran and Ms. Priyanka Madan, Environment Consultant of the project proponent.

SEIAA informed the project proponent that no reply has been received to the show cause notice issued by SEIAA vide letter no. 4232-34 dated 07.06.2021 to the Project proponent for delisting the Project. It was again observed in the meeting that without clarifying the ownership and present legal standing of the project and further keeping in view the fact that insolvency proceedings have already commenced against the Project Proponent, additional specific TOR cannot be issued to the project unless all aspects of the show cause notice are properly replied to.

SEIAA therefore advised the Environmental Consultant to provide proper guidance to the project proponent and ensure that legally correct and clear reply is submitted to the show cause notice. To this, Environmental Consultant assured that necessary guidance shall be provided to the project proponent and they will submit the detailed and clear reply to the show cause notice.

After deliberations, SEIAA decided to defer the case and provide last opportunity to submit the reply to the show cause notice within 07 days failing which case shall be delisted.

In compliance with the aforesaid decision, Project proponent has been asked vide letter no. 4616-4618 dated 10.08.2021 to submit the reply to the show cause notice. Accordingly, project proponent vide letter dated 17.08.2021 has submitted reply to the show cause notice which is annexed as Annexure-3A of the agenda.

3.0 Deliberations during 188th meeting of SEIAA held on 23.08.2021

The case was considered by SEIAA in its 188th meeting held on 23.08.2021, which was attended by Sh. Devendra Umrao, Interim Resolution Professional and Dr. Sandeep Garg, Environmental Consultant of the Promoter Company.

SEIAA perused the reply of the show cause notice submitted vide letter dated 17.08.2021 and observed as under:

(i) Name of the project "Orchard County" which was on the website of M/s Ansal API, has been removed.
(ii) The project Orchard County belongs to M/s Ansal Lotus Melange Pvt. Ltd. against which proceedings of insolvency have been initiated by NCLT, New Delhi.
(iii) Mr. Devendra Umrao has been appointed as the IRP (Insolvency Resolution Professional) in the matter of M/s Ansal Lotus Melange Projects Pvt. Ltd. by the Hon'ble NCLT New Delhi, Bench vide order dated 07.04.2021. A copy of court order was submitted. IRP has been directed to take charge of the CD's (Corporate Debtor) management, immediately. As such, all the approvals will be taken in the name of M/s Ansal Lotus Melange Projects Pvt. Ltd. through Devendra Umrao.

SEIAA took the aforesaid reply on record.

To a query by SEIAA regarding responsibility of implementation of the Environmental Management Plan (EMP), Sh. Devendra Umrao informed that in accordance with established legal process for such cases, he will act as CEO of the Company and will be responsible for the implementation of EMP till the new company takes over or liquidation process is completed. As EIA approval is mandatory for the project, necessary funds shall be allocated for the implementation of Environmental Management Plan.

To another query of SEIAA Dr. Sandeep Garg informed that he will continue as the Environmental Consultant to the project till the grant of Environmental Clearance. He requested to proceed further for issuance of Terms of Reference as the issue of the ownership has now been resolved. SEIAA was satisfied with the reply of Show cause notice issued to the project proponent.

SEIAA noted that SEAC had forwarded the case to SEIAA in its 190th meeting held on 27.06.2020 in which it had recommended that directions u/s 5 of EPA, 1986 may be issued to the project proponent and PPCB may be asked to provide the details of legal action taken against the responsible person of the project. SEIAA observed that action on both the recommendations of SEAC has been taken. Further, Member Secretary, PPCB vide letter no. 2464 dated 03.05.2021 has already sent the status of prosecution launched u/s 15, 16 read with section 19 of the Environment (Protection) Act, 1986 against the project proponent and the responsible persons but has not sent the compliance status of the directions issued u/s 5 of EPA, 1986 to the project proponent as requested vide letter no. 1926 dated 08.09.2020.

SEIAA further observed that Clause No's 4 and 5 of Notification dated 08.03.2018 regarding the permissibility of site under prevailing law and recommendation of Specific Terms of Reference are required to be examined. After detailed deliberations, SEIAA decided as under:

(i) PPCB be requested to send the compliance status of the directions issued u/s 5 of EPA, 1986 to the project proponent as requested vide letter no. 1925 dated 08.09.2020 directly to SEAC.

(ii) Case be remanded to SEAC for examining the case under "Violations" category in accordance with MOEF&CC directions dated 14.03.2017 / 08.03.2018 and sending its detailed recommendations with respect to the following:

a) Permissibility / Suitability of the site in light of MOEF&CC Notifications dated 14.03.2017 as amended on 08.03.2018 and recommendation of specific Terms of Reference in case site is deemed suitable;

b) Reply to the observations of SEAC submitted by the Project Proponent for which additional details were sought by SEAC on 05.05.2020.

c) Compliance made by Project Proponent in respect of the directions issued by SEIAA vide letter no. 1925 dated 08.09.2020 u/s 5 of the Environment (Protection) Act, 1986.

The Punjab Pollution Control Board has not sent the compliance report of the directions by the SEIAA vide letter no. 1925 dated 08.09.2020, as requested by SEIAA vide letter no. 4730 dated 02.09.2021.

Compliance of procedural requirement for dealing with the violation cases as notified by the MoEF&CC vide OM dated 14.03.2017 and 08.03.2018 is given as under:

Sr. no.	Procedure as per OM dated 14.03.2017 and 08.03.2018	Compliance
1.	Prosecution against the Project Proponent by the Punjab Pollution Control Board under the provisions of section 19 of the Environment (Protection) Act, 1986.	Member Secretary, PPCB vide letter no. 2464 dated 03.05.2021 has already sent the status of prosecution launched u/s 15, 16 read with section 19 of the Environment (Protection) Act, 1986 against the project proponent.
2.	Permissibility of site for establishment of the project.	The MC Kharar has approved the layout plan vide letter no. 1827 dated 22.03.2013.

- The Project Proponent has submitted reply to all the points raised by SEAC through ADS on 05.05.2021.

4.0 Deliberations during 207th meeting of SEAC held on 07.10.2021

The meeting was attended by the following:

(i) Mr. Sumit Kumar, on behalf of Insolvency Resolution Professional.

(ii) Dr. Sandeep Garg, M/s Eco Laboratories & Consultant Pvt. Ltd, Environmental Consultant of the Promoter Company.

(iii) Ms. Priyanka Madan, M/s Eco Laboratories & Consultant Pvt. Ltd Environment Consultant of the project proponent.

SEAC observed that the proceedings had already initiated against the Project Proponent by NCLT under section 14 of Bankruptcy and Insolvency Code, 2016. Further, Sh. Devendra Umrao has been appointed as the IRP (Insolvency Resolution Professional) in the matter of M/s Ansal Lotus Melange Projects Pvt. Ltd. by the Hon'ble NCLT New Delhi, Bench vide order dated 07.04.2021.

SEAC further observed that the Project Proponent had not submitted the compliance of the directions issued by SEIAA vide letter no. 1925 dated 08.09.2020 with copy to Punjab Pollution Control Board vide Endst no. 1926 dated 08.09.2020 for ensuring compliance of the directions. A reminder in this regard was written to Punjab Pollution Control Board by SEIAA vide letter no. 4730 dated 02.09.2021.

After detailed deliberations, SEAC decided that Sh. Devendra Umrao, IRP (Insolvency Resolution Professional), be asked to submit legal opinion as to whether IRP is authorized for submission of affidavit w.r.t the compliance of directions issued by SEIAA vide letter no. 1925 dated 08.09.2020 for not carrying out any further construction activity at its project site and not create any third party interest in the project till it obtains environmental clearance under EIA Notification dated 14.09.2006 and in case, the legal opinion found affirmative, then the Project Proponent shall submit the affidavit for complying with the above said directions of SEIAA.

5.0 Deliberations during 211th meeting of SEAC held on 25.12.2021

The meeting was attended by the following:

(i) Mr. Sumit Kumar, Legal Professional for Insolvency Resolution Professional.

(ii) Ms. Priyanka Madan, M/s Eco Laboratories & Consultant Pvt. Ltd Environment Consultant of the project proponent.

During meeting Project Proponent has submitted salient features of the project as under:

(i) Population details:

S. No.	Details	Number/ Area	Criteria	Population
1.	Residential dwelling units	708	5 persons per DU	3,540
2.	EWS DU	72	5 persons per DU	360
3.	Community	-	-	50
4.	Nursery School	0.20 acres	100 persons per acre	20
5.	Visitors	-	10% of the Residential Pop.	354
	Total			**4,324**

(ii) Water demand & Waste water Generation details (After expansion)

Details	Population	Water Demand (KLD)
Residential @ 135 lpcd	3,900	527
Floating@ 45 lpcd	424	19
Total domestic water req.		**546 KLD**
Make up water for swimming pool		**10 KLD**
Total water requirement		**556 KLD**
Flushing Water Demand (@ 45 lpcd for residential population & @ 20 lpcd for floating population)		186 KLD
Fresh Water Requirement		556-186 = 370 KLD
Wastewater Generation (@ 80%)		437 KLD
Treated Wastewater (@ 98%)		428 KLD
Horticulture Demand- an area of 17,704.465 sq. m is available with water req.		
Summer (@ 5.5 lit/sq. m./day)		97 KLD

Winter (@ 1.8 lit/sq. m./day)	32 KLD

(iii) Solid Waste details:

Sr. No.	Details	Population	Criteria	Solid waste generation (in kg/day)
1.	Residential population	3900	0.4 kg/capita/day	1,560
2.	Floating population	424	0.2 kg/capita/day	85
	Total Solid Waste Generated			**1,645 kg/day**

(iv) Green area details:

Total Plot area	40,090.24 sq.m .
Total Green area	17704.465 sqm.
Required no. of Trees	@ 1 tree per 80 sq.m. of plot area = 40,090.24 / 80 = 501 trees
Proposed trees to be planted	510 trees

During meeting, SEAC after perusal of the reply given by the project proponent, observed as under:

i) The Insolvency Resolution Professional is authorized for the submission of affidavit w.r.t the compliance of directions issued by SEIAA vide letter no. 1925 dated 08.09.2020 for not carrying out any further construction activity at its project site and not create any third party interest in the project till it obtains environmental clearance under EIA Notification dated 14.09.2006.

ii) Member Secretary, PPCB vide letter No. 2464 dated 03.05.21 has already submitted the status of prosecution launched against the project proponent, as requested by SEIAA vide letter No. 1925 dated 08.09.20.

iii) The MC, Kharar has approved the layout plan vide letter No. 1827 dated 22.03.13 regarding the permissibility of site for establishment of the said project.

iv) The Project Proponent has submitted the reply of all the points raised by SEAC through ADS on 05.05.20.

SEAC was satisfied with above said reply & the presentation of the Project Proponent and took a copy of the same on record.

After detailed deliberations, SEAC decided to forward the application of the project proponent to SEIAA with the recommendation to grant specific Terms of Reference pertaining to remediation plan 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, with proposed built up area as 104388.87 Sqm in plot area of 48090.24 Sqm., as per the details mentioned in the Form 1, 1A, EMP & subsequent presentation /clarifications made by the project proponent and his consultant with, proposed measures and subject to the following conditions: -

Specific TOR: -

1. The project proponent shall make an assessment of ecological damage done and economic benefit derived due to violation and prepare remediation plan and natural & community resource augmentation plan and it shall be prepared as an independent chapter in the environment impact assessment report by the accredited consultants. The collection and analysis of data for assessment of ecological damage, preparation of remediation plan and natural and community resource augmentation plan shall be done by an environmental laboratory duly notified under Environment (Protection) Act, 1986, or an environmental laboratory accredited by National Accreditation Board for Testing and Calibration Laboratories, or a laboratory of a Council of Scientific and Industrial Research institution working in the field of environment.

2. The project proponent will submit the following documents along with EIA report: -
    a) Proof of ownership of land
    b) Copy of Memorandum of Article & Association/partnership deep undertaking of sole proprietorship/list of Directors and names of other persons responsible for managing the day-to day affairs of the project.

Item No.211.02: Application for environmental clearance for steel manufacturing unit namely M/s Bassi Alloys Pvt. Ltd. for increasing the production capacity of Billets/Ingots from 84 TPD to 314 TPD (1,10,000 TPA) and of heavy Rounds/Flats/Structures from 80 TPD to 200 TPD located at village Ambey Majra, Mandi Gobindgarh, District Fatehgarh Sahib, Punjab (Proposal No. SIA/PB/IND/67276/2018).

The industry has applied for environmental clearance for steel manufacturing unit namely M/s Bassi Alloys Pvt. Ltd. for increasing the production capacity of Billets/Ingots from 84 TPD to 314 TPD (1,10,000 TPA) and of heavy Rounds/Flats/Structures from 80 TPD to 200 TPD located at village Ambey Majra, Mandi Gobindgarh, District Fatehgarh Sahib, Punjab.

The industry has also submitted proposal to replace one Induction Furnace of capacity 7 TPH with 15 TPH and addition of one more Induction Furnace of capacity 15 TPH along with existing rolling mill. Thus, after expansion, the production capacity of the industrial unit will become 1,10,000 TPA (315 TPD) of Ingots/Billets with 2 IF's of 15 TPH each capacity and 70,000 TPA (200 TPD) of heavy Rounds/Flats/Structures with rolling mill. Project is covered under Schedule 3(a) & Category 'B' as per EIA Notification, 2006. The Project cost is Rs. 22.14 Cr.

The industry was issued Terms of Reference for carrying out EIA study for obtaining Environmental Clearance under EIA notification dated 14.09.2006 vide letter no. DECC/SEIAA/2019/692 dated 22.08.2019.

Now, the industry submitted the final EIA report incorporated with the proceedings of public hearing held on 19.01.2021 and Environmental Clearance fee of Rs. 2,21,400/- deposited through NEFT no. PSIBR21243231002 dated 31.08.2021, as verified by the supporting staff SEIAA.

Punjab Pollution Control Board vide letter no. 4123 dated 10.12.2021 has sent the latest construction status report with details as under:

"…….Now, in reference to the subject cited email, this office was directed to send the report on the following points: -

1. *Construction status of the proposed project.*
2. *Status of physical structures within 500 m radius of the site including the status of industries, drain, river, eco sensitive structure, if any.*

3. Whether the site is meeting the prescribed criteria for setting up of such type of projects.

In compliance to the above, the industry was already visited by A.E.E. of this office on 23/09/2021 and observed as under:

Sr. no.	***Information sought by SEIAA***	***Comments of the Board***
1.	*Construction status of the proposed project.*	*The industry has proposed to carry out expansion of its existing unit for manufacturing of Ingots/Billets from 84 TPD to 315 TPD (or 1,10,000 TPA) of Ingots/Billets by replacing existing induction furnace of capacity 7 TPH with 15 TPH and by installing additional induction furnace of 15 TPH capacity and manufacturing of 70,000 TPA (or 200 TPD) of Heavy Rounds, Flats & Structures by installing one rolling mill in a total project area of 16,059.47 sq.m located at Village Ambey Majra, Mandi Gobindgarh, Distt. Fatehgarh Sahib, Punjab. It has not started any construction work regarding the proposal of environmental clearance as observed during the visit.*
2.	*Status of physical structures within 500 m radius of the site including the status of industries, drain, river, eco sensitive structure, if any.* *The following industries fall within 500 mtr radius of the site of the industry.*	*1. Vardhman Adarsh Ispat (P) Ltd, Vill. Ambey Majra, Near 220 KVA Grid, Mandi Gobindgarh* *2. Surya Steel Industries, Vill. Ambey Majra, G.T. Road, Sirhind Side, Mandi Gobindgarh* *3. Shri Salasar Steel Tubes Pvt. Ltd, Ambey Majra, Mandi Gobindgarh* *4. Shri Salasar Steel Structure (P) Ltd., Ambey Majra, Mandi Gobindgarh* *5. Rudra Alloys (P) Ltd., Vill. Ambey Majra, Mandi Gobindgarh* *6. New Power Metals & Alloys, Near Aastha Mill, Ambey Majra, Mandi Gobindgarh*

		7. *Mata Alloys Pvt. Ltd (Punia Alloys), Vill Wazirabad, Ambey Majra Road, Mandi Gobindgarh* 8. *Kaytx Industries (P) Ltd., Vill Ambey Majra, Mandi Gobindgarh* 9. *Kanha Concast, Vill Ambey Majra, Chattarpura Road, Mandi Gobindgarh* 10. *Eden Steel Alloys, Vill. Mullanpur, Ambey majra, Road, Near power Grid, Mandi Gobindgarh* 11. *Chandigarh Castings Pvt. Ltd., Vill. Ambey Majra, G.T. Road, Mandi Gobindgarh* 12. *Bhawani Castings (P) Ltd., Vill. Ambey Majra, Mandi Gobindgarh* 13. *Arihant Pipes Lessee Of M/s Madhav Steel Tubes Earlier Chintpurni Steel Tubes, Village Wazirabad, Ambey Majra Road, Mandi Gobindgarh* 14. *Akshat Alloys. (Keshav Alloys Pvt. Ltd), Mullanpur Road, Vill. Ambey Majra, Mandi Gobindgarh,* 15. *Aggarwal Ceramics, Vill. Mullanpur, Ambey Majra* *Also, Sirhind Choe (which finally meets river Ghaggar) is situated within 500 mtr radius of the site of the industry.*
3	*Whether the site is meeting the prescribed criteria for setting up of such type of projects.*	*The industry is already situated in Industrial area as per the master plan of Mandi Gobindgarh and it has proposed expansion in its existing premises. However, there are no specific siting guidelines framed by Punjab Pollution Control Board for such type of industry i.e Induction furnace unit. Therefore, proposed site is suitable for establishment of of the proposed expansion*

		project as per siting criteria prescribed by the Board vide circular no. EE(Mega)/2013/19650-19761 dated 30.04.2013.

In addition to above, EE, RO Office, Fatehgarh Sahib has further informed that the industry has submitted landscape plan showing 6459.57 sqr mtr green area (i.e. 40 % of total area) and it has come to the notice of this Regional office that the industry has changed the proposal regarding development of green area, shown as Pocket – B in current plan i.e. vacant agricultural land nearby the existing premises of the industry. The industry has now submitted land registration deed of Pocket – B.

Further, regarding rain water harvesting, the industry shall adopt a pond at Village Wazirabad, District- Fatehgarh Sahib and the stream carrying waste water of the village shall be diverted in one corner and it will be 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."

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

<table>
<tr><th>S. No.</th><th>Item No.</th><th>Details</th></tr>
<tr><td>1.</td><td>Nature of Project</td><td>Environmental Clearance for the expansion of the existing Industrial Unit</td></tr>
<tr><td>2.</td><td>Category/Activity</td><td>Shedule: 3(a): Metallurgical Industries (ferrous & non-ferrous)
Category: B-1</td></tr>
<tr><td>3.</td><td>Whether the project falls in critical polluted area notified by MoEF&CC/ CPCB.</td><td>No, the project is not located in critically polluted area as notified by MoEF&CC/ CPCB.</td></tr>
<tr><td>4.</td><td>a. Total Project Cost

b. Total project cost breakup at current price level</td><td>a. The total cost of Project after expansion: Rs. 22.14 Crores.

b. The break-up of the project cost is given as under:
<table>
<tr><th>S. No.</th><th>Description</th><th>Existing Cost (Rs. in Cr.)</th><th>Proposed cost (Rs. in Cr.)</th><th>Total cost after expansion (Rs. in</th></tr>
</table>
</td></tr>
</table>

					Cr.)
		1.	Land	0.05	0	0.05
		2.	Building	1.59	1.10	2.69
		3.	Plant & Machinery	7.65	10.62	18.27
		4.	APCD/ Continuous online monitoring system/ STP etc.	0.30	0.80	1.1
		5.	Others	0.01	0.02	0.03
		Total		**9.6**	**12.54**	**22.14**
5.	Amount of Proccesing Fee deposited by NEFT/DD	Fees of amount Rs. 2,21,400/- paid online vide RTGS/ PSIBR21243231002 dated 31.08.2021.				
6.	Details of technology proposed for control of emissions & effluents generated from project	**S. No.**	**Details of proposed APCD/STP**	**Technology**	**Capacity**	
		1.	APCD	Separate APCDs comprising of side suction hood followed by bag filter of capacity 70,000 CMH each will be provided followed by Pulse Jet Bag Filter. Further, no APCD shall be required for re-hearting furnace. Only adequate stack height of 26m will be provided.	--	
		2.	STP	MBBR	5 KLD	
7.	Plot Area Details	Area breakup of the project is given below:				
		S. No.	**Description**	**Area (in sq.m.)**		
		1.	Shed covered area	7,706.31		
		2.	Office block & security room covered area etc.	141.92		
		3.	Stores and other rooms covered area	680.30		
		4.	Green area	6459.57		
		5.	Passage area	2,869.42		
		6.	Transporting parking area	611.05		

		7.	Grid, open & other area	1,773.04
		Total Land Area		**16,059.4 sq.m. (4 acres)**
8.	Type of project land as per master plan	The project falls in Industrial Zone as per Master Plan of Mandi GobindgarhIndustrial zone.		
9.	ToR Compliance Report	Submitted		

10. Public Hearing Proceedings (Action Taken)

S. No.	Name & Address of the person	Detail of query/ statement/ information/ clarification sought by the person present	Reply of the query/ statement/ information/ clarification given by the project proponent	Action Plan
1.	Sh. Gurmeet Singh, S/o S. Avtar Singh, Resident of Village Mullanpur, Fatehgarh Sahib.	He stated that village is not having proper road for movement of vehicles. The wastewater of the industries located in the area is discharged into the sewer line, which is not functioning properly due to which the wastewater comes in the reverse direction instead of going to the STP. Thereby, arising stagnation along the road in premises of school of Village Ambey Majra. The industries during their public hearing make commitments with the residents of nearby area that they will spend CSR funds for the development of area but such commitments had never been fulfilled, when the residents of village ask for fulfilment of assurance,	Environmental Consultant informed that the wastewater of the industry will be treated in STP and not a drop of wastewater will be allowed to discharge on the road. He further informed that they will collect rainwater in a tank and after treatment, rainwater will be utilized in the premises with the help of sprinkler for suppression of dust. Also, the industry shall make arrangements to prevent the rainwater from going outside the industrial premises on the road. The industry	STP of capacity 5 KLD will be installed within the project premises to treat the domestic wastewater generated from the industrial unit as soon as EC will be granted. The treated water will be used within the industrial premises for cooling purpose. No wastewater will be discharged

				industrialists did not allow the residents to enter the premises of the unit. Industries located near the village causes air pollution with impunity due to which white clothes put on roof for drying gets black. Same situation is prevailing at villages Wazirabad, Mullanpur and Ambey Majra.	will install the Air Pollution Control Devices as per the design given by the Punjab State Council for Science & Technology and six-monthly monitoring of these devices will be done by PPCB Lab or any other lab authorized by the PPCB. Further, Environmental Consultant informed that Sh. Gaurav Singla (Director) will be responsible for implementation of CORPORATE ENVIRONMENT RESPONSIBILITY (CER) activities. The total cost of the project is 22.14 Crores. Thus 22.14 Lakhs (@ 1% of the proposed cost i.e. 22.14 Crores) is required for CER activities as per the Office Memorandum vide F. No. 22-65/ 2017- IA.III dated 01.05.2018. The following activities have been proposed to be covered under CER. **Education:** Adoption of Government Primary School located in the Village Ambey Majra,	outside the project premises. Also, the rain water will be collected from rooftop area and stored within the project in a storage tank of capacity 10,000 lts. The harvested rain water will be reused for sprinkling purpose at the loading & unloading areas. Further, Side suction hood followed by pulse jet bag filter will be installed as APCD on the new Induction Furnaces to control air pollution as soon as EC will be granted. Also, Rs. 22.2 lakhs will be spent within time period of 1 year

					Mandi Gobindgarh for following activities: • Maintenance of school building • Provisions of the paved tiles • Construction of separate Toilets for boys & girls • Provisions of 10 laptops • Plantation drive in school • Provisions of water coolers as well as internet facility. Sh. Gaurav Singla, Director of the industry present during hearing assured to complete all the commitments stated above and as mentioned in the CER activities after the commissioning of project within the timeline of one year by spending the amount of 22.2 Lacs. Further, Chairperson along with the Officials of PPCB visited the site along with Sh. Gurmeet Singh, Sh. Gurtej Singh and other village residents and	from grant of EC for CER activities as mentioned. In addition to this, overall Rs. 1 lakh will be spent on cleaning of the sewer line and road repair as a joint operation.

				observed that stagnation of wastewater in the Village school and agricultural fields was due to breakage of sewerage at certain points and silt deposition in the sewerage system. The Chairperson decided during spot visit that sewerage system of the area will be cleared periodically by the industries of the said area and they will not discharge any trade effluents in the sewer line. Chairperson also asked the industrialists to jointly get the road repaired for common use. Also, Chairperson directed the EO, MC Mandi Gobindgarh to complete the sewer line and get it cleaned regularly.	
	2.	S. Gurtej Singh S/o Sh. Kulwinder Singh, Resident of Village Ambey Majra, Fatehgarh Sahib.	He stated that the wastewater discharged by the industries in the sewer is coming back to their village causing stagnation in the School of their village. Earlier, the dispensary of their Village was having same condition and no resident is able to enter the premises of the	Chairpersons along with the Officials of PPCB visited the site along with Sh. Gurmeet Singh, Sh. Gurtej Singh and other village residents and observed that stagnation of wastewater in the	Overall Rs. 1 lakh will be spent on cleaning of the sewer line and road repair as a joint operation.

				dispensary. They have made so many complaints but no one is taking any action.	School and agricultural fields was due to breakage of sewerage at certain points and due to silt deposition in the sewerage system. The Chairperson directed that the industrialists will get the sewage lines cleared with their own efforts periodically and will not discharge the effluents in the sewage line. The Chairperson also asked that they should diligently fulfill their CER obligations.	
11.	Whether any litigation pending against the project or any direction/order passed by SPCB/Court of Law against the project, if so, details thereof shall also be included.	No litigation is pending against the project. Undertaking in this regard has been submitted.				
12.	Details of the raw materials given below:					

S. No.	Raw Materials	Existing (TPA)	Proposed (TPA)	Total after expansion (TPA)
1.	Scrap & Ferro Alloys	92 TPD (32,200 TPA)	253 TPD (88,550 TPA)	345 TPD (1,20,750 TPA)

13. Details of the products given below:

S. No.	Product Name	Existing (TPA)	Additional (TPA)	Total after expansion (TPA)
1.	Ingots/Billets	84 TPD (29,400 TPA)	230 TPD (80,600 TPA)	314 TPD (1,10,000 TPA)
2.	Heavy rounds/ Flats/Structures	80 TPD (28,000 TPA)	120 TPD (42,000 TPA)	200 TPD (70,000 TPA)

14. Details of major machinery given below:

S. No.	Equipment's/ Machinery	Existing	Proposed	Total after expansion
1.	Induction Furnace	1 × 7 TPH	2 × 15 TPH (Replacement of existing IF along with addition of 1 more IF)	2 × 15 TPH
2.	Rolling Mill	1 (80 TPD)	1 (200 TPD)	1 (200 TPD)
3.	Reheating Furnace	--	1	1

15. Manpower requirement

Details of manpower is given below:
Existing manpower: 30 persons
Proposed: 50 persons
Total after expansion: 80 persons.
Out of this, 10 workers will be residing within project premises.

16. Details of emissions after expansion:

S. No.	Source	Fuel	APCD
1.	**Induction Furnaces:** 2 × 15 TPH	Electricity	Side suction hood will be provided followed by Pulse Jet Bag Filter
2.	**DG sets:** 1 × 125 KVA & 1 × 380 KVA	H.S.D	Canapy cover with adequate stack height

17. Hazardous/Non-Hazardous Waste Generation details & their storage, utilization and its disposal. Copy of agreement clearly mentioning the Quantity

S. No.	Waste catagory	Existing	Total after expansion	Disposal
1.	Category 5.1 Used oil	0.020 KL/annum	0.4 KL/annum	Agreement done with M/s BRS Lubricants
2.	Category 35.1APCD dust	0.2 TPD	0.8 TPD	Agreement done with M/s Madhav KRG Ltd. (formerly known as Madhav Alloys Pvt. Ltd.)

18. Solid Waste Generation and its mode of Disposal

S. No.	Type of waste	Existing	Toal after expansion	Disposal method
1.	Slag	3 TPD	10 TPD	20% reused for metal recovery & remaining 80% sold to M/s Khanna Cement Products for co-processing.

19. Wastewater generation & its disposal Arrangement in Operation phase:

S. No.	Description	Total after expansion	Mitigation Measures/ Remarks
1.	Domestic wastewater	3.6 KLD	Will be treated in proposed STP of capacity 5 KLD
2.	Industrial effluent	Nil	--

20. Breakup of Water Requirement & its source in Operation phase:

S. No.	Purpose	Existing water demand (KLD)	Total water demand after expansion (KLD)
1.	Make-up water for cooling demand	6.5	32
2.	Domestic water demand	1.5	4.5
3.	Green area demand • Summer • Winter • Monsoon	 • 1.5 • 0.5 • 0.1	 • 12.5 • 4 • 1

Source of water:

S. No.	Purposes	Source of water
1.	Make-up water for cooling demand	Treated and ground water
2.	Domestic water demand	Ground water
3.	Green area demand	Ground water

<table>
<tr><td>22.</td><td>Rain Water Harvesting proposal (within/outside premises) along with NOC from concerned village Sarpanch</td><td>Within project premises: Rain water will be collected from roof-top area and stored within the project in a storage tank of capacity 10,000 lts. The harvested rain water will be reused within the project premises for horticulture or sprinkling in loading & unloading areas.

Outside project premises: Pond located in the village Wazirabad has been adopted for rain water recharging. A copy of no-objection certificate has been obtained from Sarpanch Gram Panchayat, village Wazirabad for carrying out rain water harvesting in the pond having area of @ 0.5 acres.</td></tr>
<tr><td>23.</td><td>Block wise details of no. of trees to be planted in proposed greenbelt area (1500 trees to be planted @ 1000 sq.m area):</td><td>The blockwise green area and no. of trees planted are given below:
<table>
<tr><th>S. No.</th><th>Block</th><th>Green area (in sq.ft.)</th><th>No. of trees</th></tr>
<tr><td>1.</td><td>Block A</td><td>6,205</td><td>86</td></tr>
<tr><td>2.</td><td>Block B</td><td>15,002</td><td>208</td></tr>
<tr><td>3.</td><td>Block C</td><td>2,528</td><td>35</td></tr>
<tr><td>4.</td><td>Block D</td><td>770</td><td>11</td></tr>
<tr><td>5.</td><td>Block E</td><td>45,000</td><td>625</td></tr>
<tr><td colspan="2">Total</td><td>69,505 sq. ft. or 6459.57 sqm</td><td>965</td></tr>
</table></td></tr>
<tr><td>24.</td><td>a. Energy requirements & savings.

b. Energy saving measures to be adopted within industry:</td><td>a. The energy requirement details are given below:
<table>
<tr><th>Description</th><th>Unit</th><th>Existing</th><th>Proposed</th><th>Total after expansion</th></tr>
<tr><td>Power load</td><td>KVA</td><td>6,200</td><td>8,000</td><td>14,200</td></tr>
<tr><td>D.G sets</td><td>KVA</td><td>125</td><td>380</td><td>125 & 380</td></tr>
</table>
b. <u>Energy Saving measures to be adopted</u>:
• LEDs has been provided in place of CFLs.
• Energy efficient Induction Furnaces and other machinery will be installed, after expansion.</td></tr>
<tr><td>25.</td><td colspan="2">EMP Budget derails:
<table>
<tr><th>S. No.</th><th>Details</th><th>Capital Cost (In Lakhs)</th><th>Recurring Cost (In Lakhs/annum)</th></tr>
<tr><td>(i)</td><td>APCD (including OCEMS)</td><td>100</td><td>5</td></tr>
<tr><td>(ii)</td><td>STP</td><td>10</td><td>4</td></tr>
<tr><td>(iii)</td><td>ETP</td><td>--</td><td>--</td></tr>
</table></td></tr>
</table>

	(iv)	Green belt development with maintenance plan for 3 years	10	9 (3 lakhs per annum)
	(v)	Rain Water Harvesting	10	1
	(vi)	Environment Monitoring	3	5
	(vii)	Solid Waste Management	4	1
	(viii)	Energy Conservation	3	1
	(ix)	Disaster and Risk Management	4	1
	(x)	Noise Pollution Control	1	0.5
	Total		**145 lakhs**	**21.5 lakhs per annum**

A duly constituted EMC comprises the following:

1. Director
2. Manager (Works)
3. Environment Consultant

26. CER/EMP Activities

Mr. Gaurav Singla (Director) will be responsible for implementation of the CER activities. Rs. 23.2 lakhs will be spent under following CER activities as discussed during public hearing as per Office Memorandum vide F.No. 22-65/2017-IA.III dated 25.02.2021.

S. No.	Activities	Annual Expenditure (in lakhs)	Timeline	Total Expenditure in 1 Year (in lakhs)
1.	**Education** Adoption of Government Primary School located in the Village Ambey Majra, Mandi Gobindgarh for following activities: • Maintenance of school building • Provision of paved tiles • Construction of separate toilets for boys & girls • Provision of 10 laptops	22.2	1 year	22.2

Sr. no.	Environmental Protection measures	Capital Cost (Rs. in lacs)	Recurring Cost (Rs. In Lacs/year)
1.	Air Pollution Control (Installation of APCD including OCEMS)	100	05
2.	Water pollution Control (STP)	10	04
3.	Noise Pollution Control	01	0.5
4.	Green Belt Development	10	03
5.	Solid Waste Management	04	01
6.	Environment Monitoring and Management	03	05
7.	Health safety and risk assessment	04	01
8.	Rain water recharging out side the project premises	10	01
9.	Miscellaneous	03	01
Total		**145**	**21.5**

	• Plantation drive in school • Provision of water coolers as well as internet facility			
2.	**Others** • Cleaning of the sewer line and Village road repair as a joint operation by industrialists	1	1 year	1
Total		**23.2**	**1 year**	**23.2**

Cost of Environmental Protection measures

Deliberations during 211th meeting of SEAC held on 25.12.2021

The meeting was attended by the following:

(i) Mr. Gaurav Singla, Director.

(ii) Ms. Priyanka Madan, M/s Eco Laboratories & Consultant Pvt. Ltd Environment Consultant of the project proponent.

During meeting, SEAC perused the proceedings of public hearing wherein Sh. Gurtej Singh R/o village Ambey Majra, Fatehgarh Sahib pointed out that the waste water discharged by the industries is coming back to their village causing stagnation in the school of their village. The Project Proponent has earmarked Rs. 1 lac for cleaning of the sewer line and road repair.

SEAC observed that the cost earmarked for cleaning of sewer line and road repair is not sufficient. The Project Proponent apprised the Committee that the sewer has already been laid in the said area and the problem of cleaning of sewer line has been resolved. Further the road falls in the jurisdiction of Municipal Corporation which is taking action for its repair.

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

(i) The Project Proponent shall submit the letter from the competent authority that the sewer line has been laid and the problem of stagnation in the school has been resolved.

(ii) The Project Proponent shall submit the letter from the concerned MC that the work pertaining to repairing the road shall be undertaken by it. Further, in case the road is not being undertaken by MC then the project proponent shall provide sufficient funds in the EMP for repairing the said road.

(iii) The capacity of APCD i.e. 70000 CMH for 15 TPH capacity induction furnace was found to be inadequate. The project proponent was asked to revise the capacity of APCD.

(iv) The project proponent was asked to upgrade the capacity of existing APCD installed for 80 TPD reheating furnace as the capacity of the furnace is proposed to be upgraded to 200 TPD.

Item no.211.03: Application for obtaining environmental clearance under EIA notification dated 14.09.2006 for establishment of integrated paint manufacturing unit in plot no. B-1, D-02 (P, Hi Tech Valley, Village Dhanansu, District Ludhiana, Punjab (Proposal No. SIA/PB/IND3/228783/2021).

The industry M/s Grasim Industries Limited applied for obtaining Environmental Clearance under EIA notification dated 14.09.2006 for establishment of integrated paint manufacturing unit at plot no. B-1, D-02 (P, Hi Tech Valley, Village Dhanansu, District Ludhiana, Punjab.

The industry has proposed to manufacture water & solvent based paints and emulsions and deposited Rs. 68,25,000/- through NEFT no. HDFCR52021111978364313 dated 19.11.2021, as verified by the supporting staff of SEIAA.

The industry was issued Terms of Reference by SEIAA vide letter no. SEIAA/MS/2021/4803 dated 01.10.2021. Accordingly, the industry has submitted final EIA report incorporated with documents as per the checklist and compliance of earlier issued Terms of Reference.

The latest status of the construction/developmental and industrial activity carried out at site has been sought from Punjab Pollution Control Board and Punjab Pollution Control Board vide letter dated 5561-62 dated 23.12.2021 furnished status report, the relevant portion of the same is as under:

"It is intimated that the subject cited industry has submitted an application for obtaining Environmental Clearance for setting up Integrated Paint Manufacturing unit for production of Water Based Paints " 3,00,000 KLPA, Solvent Based paint 60,000 KLPA, Resin 40,000 KLPS Emulsion " 1,20,000 KLPA at plot no. B-1, D-02 (P), Hi-Tech Valley, Village Dhanansu, Dist. Ludhiana. As per EIA Notification date 14.09.2006, the projects falls under category B1 of said notification i.e. 5(h) Integrated paint industry.

The project proponent is required to obtain environment clearance form State level Environment Impact Assessment Authority (SEIAA), Punjab. Accordingly, the Terms of Reference (TORs) for preparing draft EIA study report for the said project were prescribed by SEIAA, Punjab vide No. SEIAA/MS/2021/01.10.2021.

In regard to the above, the site of industry was visited by the officer of the Board on 24.11.2021 and the construction status of the proposed industry is as under:-

1. *The construction has not started to date and no machinery has arrived on site. The site falls in the Hi-tech valley Industrial Park, Near Dhanasu, Ludhiana developers by Punjab Small Industries & Export Corporation.*
2. *There is one industry namely Hero E- Cycles Ltd. and one school within a 500 m radius of the periphery of the proposed industry. There is one number drain i.e. Budha Nallah within 500 m radius of the periphery of the site.*
3. *As the site of the industry falls under the Industrial Park developed by PSIEC and there are no specific siting criteria prescribed by the Board for such types of Industries, the site is meeting the prescribed criteria for setting up of such type of projects."*

Deliberations during 211th meeting of SEAC held on 25.12.2021

The meeting was attended by the following:

1. Chaitanya C. Kurle, Sr. General Manager (EHS), Grasim Industries Limited., on behalf of Project Proponent.
2. Piyush Shankarni, Vice President (Projects).
3. Sh. Sameer Kadam, Kadam Environment Consultants

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

1.	Nature of project (EC for new project/EC for Expansion/ EC for existing & proposed project)	**EC for New Projects** EC for Integrated Paint Manufacturing Unit in Plot No. B-1, D-02 (P), Hi-Tech Valley, Village Dhanansu, Dist. Ludhiana, State Punjab
2.	a) Category/ Activity	**B1**
3.	a. Whether the project falls in the critical polluted area notified by MoEF&CC/CPCB. (Yes/No) b. If no and the proposed project site lies in the same or neighbouring district of critically polluted area, then details the distance of project site from the boundary of critically polluted area verified by the regional office of SPCB. (Submitted/Not submitted)	A copy of letter issued by Assistant Town Planner, Department of Town & Country Planning, Punjab, vide no. 9954 dated 17.09.2021 wherein it has been mentioned that the site of the project falls out side the MC limits of Ludhiana. Further, the Project Proponent has also submitted an undertaking dated 16.12.2021 stating that the site of the project is at a distance of more than 5km from the critically polluted area (Ludhiana).

<table>
<tr><td>4.</td><td>a. Total Project Cost (In Crores) :

b. Total project cost breakup at current price level duly certified by Chartered Engineer/ Approved valuer or Chartered Accountant</td><td>a. Total Project Cost (In Crores): Rs. 910 Crores

b. Total project cost breakup is as under:
<table>
<tr><th>Sr. No.</th><th>Description</th><th>Total Cost (Rs. in Crores)</th></tr>
<tr><td>1</td><td>Land</td><td>150</td></tr>
<tr><td>2</td><td>Building and Construction</td><td>120</td></tr>
<tr><td>3</td><td>Plant & Machinery</td><td>590</td></tr>
<tr><td>4</td><td>Others</td><td>50</td></tr>
<tr><td colspan="2">Total cost of project at current price level</td><td>910</td></tr>
</table></td></tr>
<tr><td>5.</td><td>Plot Area Details</td><td>2,48,382 m^2
Green Area Development-33% of total area (81,971 m2)</td></tr>
<tr><td>6.</td><td>a. Type of project land as per master plan (Industrial/Agriculture/Any other),

b. If non industrial land then the details of Land Use Certificate / permissibility Certificate from Competent Authority (DTP/CTP) intimating land use pattern of the project site as per proposals of Master Plan of the area. (Submitted/Not Submitted)</td><td>PSIEC vide letter no. 11388 dated 22.07.2021 allotted industrial plot of area 61.38 acres comprising of plot no. B-1 & D-02 (P In Hi Tech Cycle Valley village Dhanansu, District Ludhiana to M/s Grasim Industries Ltd.

Details of Master Plan showing the location of industry under PSIEC Hi Tech Valley Industrial Area, submitted.</td></tr>
<tr><td>7.</td><td>a. Whether any litigation pending against the project or any direction/order passed by SPCB/ Court of Law against the project, if so, details there of shall also be included.
b. Has the unit received any notice under the Section 5 of Environment (Protection) Act, 1986 or relevant Sections of Air and Water</td><td>No litigation is pending as per undertaking submitted by the project proponent.

No</td></tr>
</table>

<table>
<tr><td></td><td>Acts? If so, details thereof and compliance/ATR to the notice(s) and present status of the case.</td><td></td></tr>
<tr><td>8.</td><td>Compliance of Public Hearing proceedings along with response from Project Proponent</td><td>Public consultation is not required to be carried out for the project as public hearing is exempted in light of OM dated 27.04.2018 issued by MoEF&CC.</td></tr>
<tr><td>9.</td><td>Manpower requirement</td><td>Total Manpower -500 (During Operation) and 800 (During Construction)</td></tr>
<tr><td>10.</td><td colspan="2">Details of Emissions
1. The control of Air Pollution from the stacks of DG set, Steam Boilers, Thermic Fluid heaters is proposed by providing adequate stack height to attain maximum dispersion of flue gases containing SPM, SO2, NOx and CO.

2. Online continuous emission monitoring system connected ws with Punjab Pollution Control Board servers will be provided on all flue gas stacks. For continuous check on stack emission, CCTV camera with emission monitoring facilities will be provided.

3. During charging, dust collection and fine particle filtration system will be installed to trap the particulate matter thus allowing only clean air to be discharged into the atmosphere.

Details of the specification of dust collector is as under:
<table>
<tr><th>Dust Collector Type- ½</th><th>Brief Specification</th></tr>
<tr><td>03 no. of Dust Collector of Type-1</td><td>• Air Flow considered 2000 CMH
• Ultra-web catridges-2 no, Filter Area -35.3 m^2
• Slide gate with DCI hose & drum with latch cover
• Delta P Controller with Manual Starter
• Pulse-compressed Air- 16.2 Nm3/hr for 10 sec intervals at 7 bar.
• Outlet Dust Concentration:<10mg/Nm3.</td></tr>
<tr><td>12 no. Dust Collector of Type-2</td><td>• Air Flow considered 500 CMH
• Ultra-web catridges-1 no, Filter Area -17.65 m^2
• Slide gate with DCI hose & drum with latch cover
• Delta P Controller with Manual Starter
• Compressed Air- 8.84 Nm3/hr for 10 sec intervals at 7 bar.</td></tr>
</table></td></tr>
</table>

	• Outlet Dust Concentration:<10mg/Nm3.

10. **Water requirement**

The industry has submitted the water balance for all the three seasons, the water utilization for the various process streams and other purposes for the summer season is as under:

No.	Description	Water Consumption					Waste water Generation	
		Fresh	Industrial Reused	Losses	Domestic Recycled	Industrial Recycled	Domestic Waste water generation	Industrial Waste water generation
	C1	**C2**	**C3**	**C4**	**C5**	**C7**	**C8**	**C9**
1	Water Filtration plant	750	0	0	0		0	8
1.1	DM/RO Plant	324	0	0	0	0	0	71
1.2	Emulsion Block	210	0	0	0	0	0	1.0
1.3	Boiler	40	34	5	0	0	0	1
1.4	Other process block	185	90	0	0	0	0	7
1.5	Drinking	3	0	0	0	0	0	0
1.6	Process Wash Water	100	0	2	0	0	0	8
1.7	Cooling Tower	104	0	200	0	116	0	20
1.8	Scrubber	5	0	2	0	0	0	3
1.9	Domestic	24	0	1	0	0	23	0
2	Green belt	400	0	0	23	0	0	0
	Total	1150	124	210	23	116	23	119

11.	Permission from CGWA/PWRDA	• Primary source of water shall be from PSIEC & permission vide letter dated 15.09.2021 has been obtained by the industry from PSIEC for supply of 1200 KLD of fresh water after development of basic infrastructural facilities i.e. 28.02.2022. • Permission for abstraction of ground water has been obtained from PWRDA vide letter dated 02 December -2021 for abstraction of 1158 KLD of ground water.

12.	Water balance chart for Summer, Rainy and Winter seasons (Submitted/Not Submitted)	The industry has submitted water balance for all the 3 seasons i.e. summer, winter & rainy seasons. **In the summer season**, out of total water requirement of 1150 KLD, fresh water of 400 KLD shall be utilized for gardening purposes and remaining 750 KLD shall be utilized for various processes including emulsion plant, Boilers, Process wash water, scrubber, cooling tower, domestic and for gardening purposes etc. The total waste water generation shall be 119 KLD which shall be treated in an ETP comprising of primary treatment followed by secondary biological treatment, tertiary treatment and sludge handling. The treated wastewater of 117 KLD shall be taken to RO out of which RO permeate of 94 KLD shall be utilized in cooling tower and RO reject of 23 KLD shall be treated through MEE and ATFD. Treated effluent will be used for utilities. Salts generated from ATFD will be disposed to TSDF. **In the winter season,** out of total water requirement of 875 KLD, fresh water of 125 KLD shall be utilized for gardening purposes and remaining 750 KLD shall be utilized for various processes including emulsion plant, Boilers, Process wash water, scrubber, cooling tower, domestic and for gardening purposes etc. The total waste water generation shall be 119 KLD which shall be treated in an ETP comprising of primary treatment followed by secondary biological treatment, tertiary treatment and sludge handling. The treated wastewater of 117 KLD shall be taken to RO out of which RO permeate of 94 KLD shall be utilized in cooling tower and RO reject of 23 KLD shall be treated through MEE and ATFD. Treated effluent will be used for utilities. Salts generated from ATFD will be disposed to TSDF. **In the monsoon season,** out of total water requirement of 742 KLD, fresh water of 222 KLD shall be met through rain water harvesting and for gardening purposes and remaining 520 KLD shall be utilized for various processes including emulsion plant, Boilers, Process wash water, scrubber, cooling tower, domestic and for gardening purposes etc. The total waste water generation shall be 119 KLD which shall be treated in an ETP comprising of primary treatment followed by secondary biological treatment, tertiary treatment and sludge handling. The treated wastewater of 117 KLD shall be taken to RO out of which RO permeate of 94 KLD shall be utilized in cooling tower and RO reject of 23 KLD shall be treated through MEE and ATFD. Treated effluent will be used for utilities. Salts generated from ATFD will be disposed to TSDF.

<table>
<tr><td></td><td></td><td>Besides above, STP of capacity 30 KLD shall be installed for treatment of 23 KLD of domestic sewage generated for all the 3 seasons.</td></tr>
<tr><td>13.</td><td>ETP and STP details:</td><td>a. The ETP shall be comprising of following components:
<table>
<tr><th>Sr. no.</th><th>Treatment Stage</th><th>Units</th></tr>
<tr><td>1.</td><td>Primary Treatment</td><td>• Equalization Tank
• Flash Mixer
• Flocculator
• Primary Clarifier
• Dissolved Air Flotation (DAF) unit</td></tr>
<tr><td>2.</td><td>Secondary Biological Treatment</td><td>• Aeration Tank-1
• Secondary settling Tank Aeration Tank-II
• Final Settling tank</td></tr>
<tr><td>3.</td><td>Tertiary Treatment</td><td>• Intermediate Collection Tank
• Pressure Sand Filter
• Activated Carbon Filter
• Final Treated water collection Tank</td></tr>
<tr><td>4.</td><td>Sludge Handling</td><td>• Sludge Collection sump Volute/screw Press</td></tr>
</table>
b. STP shall be comprising of following components
1. Septic Tank cum- collection tank
2. Aeration Tank with MBR module
3. Back wash tank
4. Chlorine dosing tank
5. Final Collection tank
6. Sludge drying bed</td></tr>
<tr><td>14.</td><td>Block-wise details of No. of trees to be planted in proposed greenbelt area (1500 Trees to be planted @ 10000 Sqm area):</td><td>The plant premises area encompasses green area of 81,971 sq. m. (= 33% of total plot area) in which
approximately 12,300 trees shall be planted.</td></tr>
<tr><td>15.</td><td>a. Energy requirements & savings:

b. Energy saving measures to be adopted within industry:</td><td>a. The details of the energy are given below:

Maximum power requirement for proposed project will be 8200 KVA. which will be supplied by 66/33/11KV PSIEC
nearest substation, Hi-Tech Valley, Dhanansu.</td></tr>
</table>

		b. Energy Saving Measures The industry is going to adopt Integrated Energy Management System which include: • Energy-efficient building construction specification. • Compressed air optimization system and air leak elimination. • Cooling tower High grade E-glass epoxy energy-efficient fan technology. • Cyclic timer installed in streetlight panels for auto operation of lights.

16. EMP Details:

S. No	Head	Approximate Capital Cost (crore)	Approximate recurring cost per annum (Crore)	Indicative Basis for cost estimate
1	Air Emission Management	13.00	0.30	Capital cost Installation of Dust collector, scrubber, Fume extraction system etc. and adequate stack, CEMS etc. Recurring cost Cost of stack monitoring and maintenance
2	Water and Waste water Management	24.50	1.42	Capital cost Installation of ETP, STP, Manpower cost, cost of chemicals, CEMS, etc. Rain water harvesting and water conservation efforts cost Recurring Cost ETP inlet and outlet samples monitoring Maintenance of Rain water harvesting and

				water conservation etc. (/ Wash Water Recycling/ Low Flow Fixtures/Flow Meters)
3	Noise Management	0.30	0.02	Capital cost
				Installtion of Acoustic enclosure
				Recurring Cost
				Monitoring and maintenance cost
4	Solid and hazardous waste management	5.50	0.70	Capital cost
				Membership of TSDF, storage area for different type of waste
				Recurring cost
				Cost of transportation and storage of Solid and hazardous waste
5	Greenbelt	3.50	0.30	Capital cost
				Greenbelt development cost
				Recurring Cost
6	Renewable Energy Initiatives	1.0	0.02	Solar Street Lights, solar water heaters etc.
Total		**47.8**	**2.76**	

Expenditure on Occupational Health

S. No	**Head**	**Approximate Capital Cost (crore)**	**Approximate recurring costper annum (Crore)**	**Indicative Basis for cost estimate**
1	Occupational	0.80	0.08	Capital cost
				Occupational Health care centre,

	health			Ambulance
				Recurring Cost
				For annual health check ups and work place monitoring

Expenditure on Fire and Safety

S. No	Head	Approximate Capital Cost (crore)	Approximate recurring cost per annum (Crore)	Indicative Basis for cost estimate
1	Fire and safety	25.64	0.20	Fire Hydrant, Sprinkler network, detector, protection and alarm system, Fire tendor cum emergency rescue vehicles, safety feature on various equipment, machinenries, tanks and other areas. PPE, Emergency and rescue devices and equipment

According to the CER office memorandum dated 01st May, 2018 of MoEFCC the CER budget for 5 years comes to INR 9.10 crores i.e. 1.0% of project cost INR 910 crores.

Table 10-12 : Budget for CER Activities for 5 years

S.No	Activity	Year wise expenditure Plan (INR crores)				
		2021-2022	2022-2023	2023-2024	2024-2025	2025-2026
1	Rejuvenation/Restoration of lakes/ponds in nearby villages	0.25	0.25	0.25	0.25	0.25
2	Native tree plantation in nearby villages	0.25	0.25	0.25	0.25	0.25
3	COVID-19 fund allocation to Health Department	0.2	0.2	0.2	0.2	0.2
4	Mobile ambulance facility to nearby villages	0.2	0.2	0.2	0.2	0.2

	5	Skill development centre for promoting self help groups in nearby villages.	0.2	0.2	0.2	0.2	0.2
	6	Providing health equipments to nearby Public Heath Centre	0.2	0.2	0.2	0.2	0.2
	7	Digital education facilities to nearby Government schools	0.2	0.2	0.2	0.2	0.2
	8	Providing class room furniture to nearby Government schools	0.2	0.2	0.2	0.2	0.2
	9	Providing solar lighting facility to nearby Government schools	0.15	0.15	0.15	0.15	0.15
		Total	1.85	1.85	1.85	1.85	1.85
		Grand Total	**9.25**				

Details of Products:

Sr. no.	Name of Products	Production Capacity KLPA
1	Water Based Paints	3,00,000
2	Solvent Based Paints	60,000
3	Emulsions	1,20,000
4	Resins	40,000
	Total	**5,20,000**

Hazardous waste Generation

Hazardous solid wastes like ETP Sludge, residue from solvent recovery, cotton waste, filter residue, MEE salt, will be collected in bags/barrels and will be sent to TSDF Facilities and/or Co-processing units.

Used/spent oil, spent solvent and discarded Container/drum will be stored at designated area in the plant and will be sold to authorized recycler. M/s Grasim Industries Limited shall make agreement and dispose the hazardous waste to PPCB Approved authorised recycler and TSDF/ Co-processing units.

Sr. no.	Waste Description	Category	HW Generation	Unit	Disposal Method
1	Contaminated oil with wash water & sludge	3.1	11	MT/Annum	Based on calorific value will be sent to TSDF/ Co-processing
2	Sludge and filters contaminated with oil	3.3	11	MT/Annum	Based on calorific value will be sent TSDF/ Co-processing
3	Used / Spent Oil	5.1	38	MT/Annum	Sent to SPCB authorized recyclers
4	Discarded Asbestos	15.2	2	MT/Annum	Disposal at TSDF
5	Contaminated aromatic, aliphatic or naphthenic solvents, may or may not be fit for reuse	20.1	128	MT/Annum	Sent to SPCB authorized recyclers/TSDF/ Co-processing /Internal Solvent Recovery plant
6	Distillation Residues	20.3	71	MT/Annum	Sent to TSDF/ Coprocessing
7	Process Waste, Sludge & Residue from production Ft industrial use of paint, pigments, varnishes, inks	21.1	90	MT/Annum	Sale to authorized recyclers/ TSDF/ Co- processing
8	Wastes or residues such as filter aid	23.1	68	MT/Annum	Sent to TSDF/ Co- processing/ Sale to authorized recycler
9	Chemical containing residue arising from decontamination	33.1	19	MT/Annum	Sent to TSDF/ Co- processing
10	Discarded containers / barrels /liners contaminated with hazardous wastes / chemicals (Liners)	33.1	90	MT/Annum	Sent to TSDF/ Co- processing/ TSDF/ Sale to authorized recycler
11	Discarded containers / barrels /liners contaminated with hazardous wastes / chemicals (Barrels / Carboys / Drums/ Totes/IBC's)	33.1	60000	Numbers/annum	Sent to SPCB authroised recyclers

12	Flue gas cleaning residue	35.1	10	MT/Annum	Sent to TSDF/ Co-processing
13	Spent ton Exchange Resin containing toxic metals	35.2	15	MT/Annum	Sent to TSDF/ Co- processing
14	Chemical sludge from waste-water treatment	35.3	150	MT/Annum	Sent to TSDF/ Co-processing
15	Oil and Grease & skimming residue	35.4	15	MT/Annum	Sent to TSDF/ Co-processing
16	Lead Acid Batteries	Class A	375	Numbers/Annum	Sale back to supplier/ Authorized recyclers
17	Spent Carbon	36.2	7.5	MT/Annum	Return to supplier for regeneration/ Co- processing

Solid waste Generation

S. No	Waste type	Total (kg/day)	Method of disposal
Construction Phase			
1	Organic	360	Will be composted at site in Organic Waste Convertor and used as manure for green belt development during construction stage
2	Inorganic	as and when generated	Segregated and disposed through PPCB authorized recyclers
	Total	360	
Operation Phase			
1	Organic	225	Will be composted at site in Organic Waste Convertor and used as manure for green belt development
2	Inorganic	As and when generated	Segregated and disposed through PPCB authorized Recyclers
	Total	225	

The Project Proponent apprised the Committee that it has proposed ETP based on Zero Liquid Discharge (ZLD) by installing RO membranes followed by Multiple Effect Evaporator (MEE). Further, it was proposed to install counter current wet scrubber/ vent condenser followed by two stage activated carbon bed scrubber to control air emissions from various sources such as emulsion rectors, raison rector, water base and solvent base blocks. It has proposed Reverse Flow Pulse Cleaning Bag Filter to control dust emissions during unloading and transfer from bulk powder handling area.

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

After detailed deliberations, SEAC decided to award **'Silver Grading'** to the project proposal under category B1, Activity 5 (h) and decided to forward the application to SEIAA with the recommendations to grant Environmental Clearance for establishment of integrated paint manufacturing unit in plot no. B-1, D-02 (P), Hi Tech Valley, Village Dhanansu, District Ludhiana, Punjab, as per the details mentioned in the application & subsequent presentation /clarifications made by the project proponent & his consultant subject to the following conditions:

I. Statutory compliance:

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

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

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

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

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

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

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

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

II. Air quality monitoring and preservation

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

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

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

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

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

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

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

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

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 install ETP of adequate capacity to treate the industrial effluent generated from its premises.

iii. The Project Proponent shall not discharge treated/untreated wastewater outside industrial premises and shall adhere to 'Zero Liquid Discharge'.

iv. Sewage Treatment Plant of capacity 30 KLD shall be provided for treatment of domestic wastewater to meet the prescribed standards.

v. 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.

vi. The project proponent shall practice rainwater harvesting to the maximum possible extent. The recharge potential of volume @ 9600 KL shall be adopted to recharge the water @ 2262 KLD. As an additional safety measure, the stream carrying waste water of the village shall be diverted in one corner of Phytorid plants trench (designed based on the technology developed by CSIR-NEERI's) divided into different parts, the overflow of each chamber shall be allowed to enter into another chamber which will ultimately lead to the purification of water and collected into the pond to avoid any contamination of ground water aquifer. Pond water will percolate through natural strata (without injection) to augment the ground water and remaining water shall be used for irrigation purposes by pumping method in the nearby fields.

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

IV. Noise monitoring and prevention

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

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

V. Energy Conservation measures

i. The project proponent shall 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.

ii. The project proponent shall provide the for LED lights in their offices and residential areas.

VI. Waste management

i. 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.

ii. The waste oil, grease and other hazardous waste shall be disposed of as per the Hazardous & Other waste (Management & Transboundary Movement) Rules, 2016.

iii. Kitchen waste shall be composted or converted to biogas for further use.

VII. Green Belt

i) Green belt shall be developed in an area of 81971 Sqm (equal to 33% of the plant area) with tree species in accordance with SEIAA guidelines. Total 12300 trees to be planted.

VIII. Public hearing and Human health issues

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

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

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

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

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

IX. Environment Management Plan

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

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

iii. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. The project proponent shall spend a minimum amount of Rs 9.25 Cr. towards the corporated social responsibility, Rs. 74.24 Cr. towards capital cost and Rs 3.04 Cr.

towards recurring cost including the environmental monitoring cost for the implementation of EMP as proposed in following EMP plan.

S. No	Head	Approximate Capital Cost (crore)	Approximate recurring costper annum (Crore)	Indicative Basis for cost estimate
1	Air Emission Management	13.00	0.30	Capital cost
				Installation of Dust collector, scrubber, Fume extraction system etc. and adequate stack, CEMS etc.
				Recurring cost
				Cost of stack monitoring and maintenance
2	Water and Waste water Management	24.50	1.42	Capital cost
				Installation of ETP, STP, Manpower cost, cost of chemicals, CEMS, etc. Rain water harvesting and water conservation efforts cost
				Recurring Cost
				ETP inlet and outlet samples monitoring Maintenance of Rain water harvesting and water conservation etc. (/ Wash Water Recycling/ Low Flow Fixtures/Flow Meters)
3	Noise Management	0.30	0.02	Capital cost
				Installtion of Acoustic enclosure
				Recurring Cost
				Monitoring and maintenance cost
4	Solid and hazardous waste	5.50	0.70	Capital cost
				Membership of TSDF, storage area for different type of waste

	management			Recurring cost
				Cost of transportation and storage of Solid and hazardous waste
5	Greenbelt	3.50	0.30	Capital cost
				Greenbelt development cost
				Recurring Cost
6	Renewable Energy Initiatives	1.0	0.02	Solar Street Lights, solar water heaters etc.
Total		**47.8**	**2.76**	

Expenditure on Occupational Health

S. No	Head	Approximate Capital Cost (crore)	Approximate recurring costper annum (Crore)	Indicative Basis for cost estimate
1	Occupational health	0.80	0.08	Capital cost
				Occupational Health care centre, Ambulance
				Recurring Cost
				For annual health check ups and work place monitoring

Expenditure on Fire and Safety

S. No	Head	Approximate Capital Cost (crore)	Approximate recurring costper annum (Crore)	Indicative Basis for cost estimate
1	Fire and safety	25.64	0.20	Fire Hydrant, Sprinkler network, detector, protection and alarm system, Fire tendor cum emergency rescue vehicles, safety feature onvarious equipment, machinenries, tanks and other areas. PPE, Emergency and rescue devices and equipment

Table 10-12 : Budget for CER Activities for 5 years

S.No	Activity	Year wise expenditure Plan (INR crores)				
		2021-2022	**2022-2023**	**2023-2024**	**2024-2025**	**2025-2026**
1	Rejuvenation/Restoration of lakes/pondsin nearby villages	0.25	0.25	0.25	0.25	0.25
2	Native tree plantation in nearby villages	0.25	0.25	0.25	0.25	0.25
3	COVID-19 fund allocation to Health Department	0.2	0.2	0.2	0.2	0.2
4	Mobile ambulance facility to nearby villages	0.2	0.2	0.2	0.2	0.2
5	Skill development centre for promotingself help groups in nearby villages.	0.2	0.2	0.2	0.2	0.2
6	Providing health equipments to nearby Public Heath Centre	0.2	0.2	0.2	0.2	0.2
7	Digital education facilities to nearby Government schools	0.2	0.2	0.2	0.2	0.2
8	Providing class room furniture to nearby Government schools	0.2	0.2	0.2	0.2	0.2
9	Providing solar lighting facility to nearby Government schools	0.15	0.15	0.15	0.15	0.15
	Total	1.85	1.85	1.85	1.85	1.85
	Grand Total	**9.25**				

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

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

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

XI. Validity

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

XII. Miscellaneous

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

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

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

iv) The project proponent shall monitor the criteria pollutants level namely; PM10, S02, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

i) The Project Proponent shall make necessary arrangements for control of Air Pollution occurred due to the installation and operation of the Air Polluting machinery installed in the industrial premises.

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 @ 1158 KLD to meet the requirement of Industrial, domestic & green belt.

v) The project proponent shall construct two no. of rain water tank of commultive capacity 9600 KL to store rain water run off generated from the roof top during monsoon season within its premises.

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

vii) The project proponent shall provide STP of 30 KLD 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.

viii) 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.

ix) The project proponent shall monitor the Ground water for heavy metals in addition to routine parameters pre-monsoon and post monsoon. Atleast 3 samples i.e one

from within the premises and two from outside the premises of the industry shall be taken.

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.

Item No.211.04: Application for environmental clearance for establishment of steel manufacturing unit having proposed capacity 375 TPD, (1,31,250 TPA) of steel Ingots/billets, HR Flats & Strips by installing Induction Furnace of capacity 25 TPH at GT road, Sirhind Side, Backside Modern Steel Ltd., Mandi Gobindgarh, District- Fatehgarh Sahib, Punjab by M/s Ambey Industries. (Proposal No. SIA/PB/IND/69676/2021)

The industry has applied for environmental clearance for steel manufacturing unit having proposed capacity 1,31,250 TPA of steel Ingots/billets, HR Flats & Strips by installing Induction Furnace at GT road, Sirhind Side, Backside Modern Steel Ltd., Mandi Gobindgarh, District- Fatehgarh Sahib, Punjab.

The proposed project of M/s Ambey Industries is located at G.T. road, Sirhind side, backside Modern Steel Ltd., Mandi Gobindgarh, District- Fatehgarh Sahib, Punjab. The plot area of the project 5.4203 acres, out of which 2.9960 acres has been purchased by the the unit and land measuring 2.4243 acres has been taken on lease from M/s K.L. Steel Industries, G.T. road Backside M/s Modern Steel Ltd., Mandi Gobindgarh, on rent/lease basis w.e.f. 01.05.2021 to 31.03.2035 i.e. for 13 years.

The total plot area is about 5.4203 acres, out of which 2.9960 acres has been purchased by the unit and 2.4243 acres of land area has been taken on rent/lease from M/s K.L steel industries for installation of the unit. The unit shall produce about 375 TPD (1,31,250 TPA) of ingots/billets, which will be converted to HR flats and strips @ 1,31,250 TPA. The project is covered under Schedule 3(a) & Category 'B' as per EIA Notification, dated 14.09.2006. The cost of the project is Rs. 33.7994 Crore.

The industry was issued Terms of Reference for carrying out EIA study for obtaining Environmental Clearance under EIA notification dated 14.09.2006 vide letter no. SEIAA/MS/2021/4723 dated 02.09.2021.

During the issuance of the ToR, PPCB was requested to send the latest construction status report vide e-mail dated 03.08.2021.

Accordingly, Punjab Pollution Control Board vide letter no. 2736 dated 31.08.2021 sent the latest construction status report of the site in response the e-mail dated 03.08.2021.

The relevant contents of the report are reproduced as under:

"In reference to above referred e-mail, it is intimated that the subject cited industry has submitted an application for issuance of TOR to SEIAA Punjab for manufacturing of 1,31,250 TPA of Ingots/ Billets, Flats & Strips by installing 1 no. induction furnace of capacity 25 TPH, 1 no. Ladle Refining Furnace (LRF), Continuous Casting Machine (CCM) and rolling mill in the revenue estate G.T. Road, Sirhind Side, Back Side Modern Steel Ltd., Mandi Gobindgarh, Distt. Fatehgarh Sahib. The proposed site of the industry was visited by the officer of the Board on 05/08/2021 and the point wise report sought by SEIAA is as under:

Sr. no	***Information sought***	***Comments of the Board***
1	*Construction/ Installation status of the newly proposed project of the industry.*	*The industry is an existing re-heating furnace which was found in operation. The industry is using pulverized coal as fuel in its furnace. The industry has installed cyclone separator followed by wet scrubber as Air Pollution Control Device, which was also found in operation. The industry has also in the process of sifting its fuel form Coal to PNG. The industry has purchased the adjacent land for the proposed expansion project.* *The industry has provided civil foundations for installation of new sheds and building. In this regard, the representative of the industry informed that this work relates to the project for installation of Induction Furnace of capacity 7 TPH for which they have already applied NOC for expansion vide online application ID 15891827 dated 24/05/2021 and the same is being processed by the PBIP. However, it was observed that no new plant and machinery has been procured at the site till date.*
2.	*Status of Consent to Establish/ NOC form PPCB.*	*The industry has obtained consent to operate for its existing unit under the Water Act, 1947 vide no. CTOW/Fresh/FGS/2021/15902163 dated 27/07/2021 and Air Act 1981 vide no. CTOA/Fresh/FGS /2021/15902290 dated 27/07/2021 valid up to 31/03/2022 for the manufacturing of MS Grader, Channel, Flats, Bars @ 100 MTD by using raw material as Steel Ingots @150 MTD Further the NOC application for installation of induction furnace capacity 7 TPH is yet to be decided by the PBIP.*
3.	*Whether the proposed project meeting with the siting guidelines framed by the Board*	*The industry has submitted a land use classification letter no. 726 dated 07/06/2021 from MC, Mandi Gobindgarh, the contents of the letter stated as under:* *ਉਪਰੋਕਤ ਵਿਸ਼ੇ ਅਧੀਨ ਆਪ ਦੀ ਜਗਾਂ 26 ਬਿੱਘਾ 01 ਬਿਸਵਾਈ ਵਾਕਾਹ ਅਜਨਾਲੀ, ਕੇ.ਐਲ. ਮਿੱਲ ਰੋਡ, ਬੈਕ ਸਾਇਡ ਮੋਡਰਨ ਸਟੀਲ ਸਰਹਿੰਦ ਸਾਈਡ ਗੋਬਿੰਦਗੜ੍ਹ ਵਿਖੇ ਹੈ। ਆਪ ਦੀ ਸਾਈਟ ਨਗਰ ਕੌਸਲ ਦੀ ਹਦੂਦ*

		ਅੰਦਰ ਨੋਟੀਫਾਈਡ ਮਾਸਟਰ ਪਲੈਨ. ਗੋਬਿੰਦਗੜ੍ਹ (2010-31) ਦੀਆਂ ਤਜਵੀਜਾਂ ਅਨੁਸਾਰ ਡੈਜੀਗਨੇਟਿਡ ਯੂਜ਼ ਜ਼ਨ ਭਾਵ ਇੰਡਸਟਰੀਅਲ ਯੂਜ਼ ਵਿਚੱ ਪੈਦੀ ਹੈ । *Therefore, the site of the industry is suitable for proposed expansion project as per the Board policy dated 30/04/2013."*

The industry submitted the final EIA report incorporated with the proceedings of public hearing held on 01.11.2021 and Environmental Clearance remaining fee of 75% i.e. Rs.2,53,495/- submitted through NEFT vide UTR no.- JAKAR52011201000 89082 on dated 01.12.2021, as verified by the supporting staff SEIAA.

Deliberations during 211th meeting of SEAC held on 25.12.2021

The meeting was attended by the following:

1. Sh. Mukesh Kumar, Manager on behalf of Project Proponent.
2. Sh. Sital Singh, EIA coordinator, M/s Chandigarh Pollution Testing Laboratory, E-126, Phase-VII, Industrial Area, Mohali.

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

1.	Name of the project	M/s Ambey Industries G.T. road, Sirhind side, Backside Modern Steel Ltd., Mandi Gobindgarh, Tehsil- Amloh, District- Fatehgarh Sahib, Punjab.
2.	Online Proposal No.	**SIA/PB/IND/69676/2021**
3.	Nature of project (EC for new project/EC for Expansion/ EC for existing & proposed project)	EC for proposed project
4.	a) Category b) Activity (As per schedule appended to EIA Notification, 2006 as amended time to time)	(a) B-1 (b) Metallurgical Industries (ferrous & nonferrous) (8), Schedule 3(a) as per EIA notification-2006.
5.	a. Whether the project falls in the critical polluted area notified by MoEF&CC/CPCB. (Yes/No)	The Project Proponent stated that the site does not fall in critical polluted area. Further, general condition does not apply.

	b. If no and the proposed project site lies in the same or neighbouring district of critically polluted area, then details the distance of project site from the boundary of critically polluted area verified by the regional office of SPCB. (Submitted/Not submitted)	

6. Plot Area Details:

DETAIL OF AREA	
DESCRIPTION	**AREA**
	SQMT
Total Plot Area	21761.84
Exi. Shed Covered Area	3518.58
Stores/Lab/Meter RM/Check RM/Labour QRS. Panel Room, Cycle stand & Temple etc. Covered Area	274.62
Green Area	7184.01
Road/Passage Area	2973.97
Total parking area	631.97
Grid area, APCD unit area, Water Complex area & other area	1695.39
Proposed Shed	5399.62
Proposed office block covered area	83.64
SHED DETAIL	
DESCRIPTION	**AREA (SQMT)**
Total Shed Covered Area (Exi. & Pro.)	8918.21
Raw (scrap) Material Area	2434.94
Finished Good Area	1882.89
Slag storage area	193.30
Working area, Furnace rooms/CCM plant, passage, store, coal storage shed, Reheating furnace workshop area, rolling mill stand, Panel & other Shed area	4407.06

<table>
<tr><td>7.</td><td>a. Type of project land as per master plan (Industrial/Agriculture/Any other),

b. If non industrial land then the details of Land Use Certificate / permissibility Certificate from Competent Authority (DTP/CTP) intimating land use pattern of the project site as per proposals of Master Plan of the area. (Submitted/Not Submitted)</td><td>As per master plan of Mandi Gobindgarh submitted by the Project Proponent, the location of the industry as shown, falls in Industrial Zone.

Further, the industry has submitted a copy of the land use classification letter issued by the Municipal Council Gobindgarh vide no. 726 dated 07.06.2021 wherein, it has been mentioned as under:
ਉਪਰੋਰਤ ਵਿਸ਼ੇ ਅਧੀਨ ਆਪ ਦੀ ਜਗਾਂ ਜਿਸਦਾ ਖਸਰਾ ਨੰ 1221/269, 274, 267/1, 268/1, 1768/265, 1780ਯ266, 1781/266/1, 266/2,, 1222/269 ਹਿੰਸਾ 26 ਬਿੱਘਾ 01 ਬਿਸਵਾਈ ਵਾਕਾਹ ਅਜਨਾਲੀ, ਕੇ.ਐਲ. ਮਿੱਲ ਰੋਡ, ਬੈਕ ਸਾਇਡ ਮੋਡਰਨ ਸਟੀਲ ਸਰਹਿੰਦ ਸਾਈਡ ਗੋਬਿੰਦਗੜ੍ਹ ਵਿਖੇ ਹੈ। ਆਪ ਦੀ ਸਾਈਟ ਨਗਰ ਕੌਸਲ ਦੀ ਹਦੂਦ ਅੰਦਰ ਨੋਟੀਫਾਈਡ ਮਾਸਟਰ ਪਲੈਨ. ਗੋਬਿੰਦਗੜ੍ਹ (2010-31) ਦੀਆਂ ਤਜਵੀਜਾਂ ਅਨੁਸਾਰ ਡੈਜੀਗਨੇਟਿਡ ਯੂਜ਼ ਜ਼ਨ ਭਾਵ ਇੰਡਸਟਰੀਅਲ ਯੂਜ਼ ਵਿਚੱ ਪੈਦੀ ਹੈ</td></tr>
<tr><td>8.</td><td>ToR compliance report (Submitted/ not submitted)</td><td>Submitted.</td></tr>
<tr><td>9.</td><td colspan="2">Compliance report of public hearing proceedings

<table>
<tr><th>Sr. No.</th><th>Name & Address of the Person</th><th>Detail of query / statement/information/ clarification sought by the person present</th><th>Reply of the query / statement/ information / clarification given by the Project Proponent</th><th>Action Plan</th></tr>
<tr><td rowspan="2">1.</td><td rowspan="2">Sh. Ravinder Kumar Bassi S/o Sh. Jagdish Rai, Ex-Sarpanch, Village Ajnali, Distt. Fatehgarh Sahib.</td><td>a) What provisions have been made by the industry to stop the emissions emitted from the stack of the industry.</td><td>Industry’s Environment Consultant, R.S. Rana informed that the industry will install air containment system including side suction hood, spark arrestor followed by pulse bag house filter as air pollution control device, which will minimize the concentration of SPM to be released in atmosphere.</td><td rowspan="2">Budgetary Allocation: Rs 70 Lakhs has been kept for APCD under EMP Budget.

Local People will be hired on the basis of their</td></tr>
<tr><td>b) Whether job opportunities will be given to the unemployed people of village Ajnali and development work will be carried out by</td><td>The Environment Consultant informed that the people of Village Ajnali will be given priority for jobs on the basis of their qualifications.</td></tr>
</table></td></tr>
</table>

			the industry for village Ajnali.		respective qualification.
	2.	Sh. Gurmit Singh S/o Sh. Inder Singh, Village Ajnali, Distt. Fatehgarh Sahib	What type of provisions will be made by the industry for control of Water & Air pollution.	The Environment Consultant informed that the industry will install air containment system including side suction hood, spark arrestor followed by pulse bag house filter as air pollution control device, which will minimize the concentration of SPM to released in atmosphere. Further, he informed that the industry is not a water polluting industry as there is no generation of effluent from process. Only domestic effluent will be generated which will be discharged onto land for plantation after treatment through septic tanks.	**Budgetary Allocation:** Rs 70 Lakhs has been kept for APCD under EMP Budget. Industry will plant total 1078 no. of plants to develop green belt. An amount of Rs 6.5 lakhs has been kept for green belt development under EMP budget.
	3.	Sh. Som Nath S/o Sh. Lachman Singh, MC, Ward no. 10, Mandi Gobindgarh	As Village Ajnali and Ambey Majra are backward areas, what contributions will be made by the industry for development of the people of said villages.	The Environment Consultant informed that the industry is bound to make efforts for the development of the people of Village Ajnali and Ambey Majra and villagers will given priority for the jobs on the basis of their qualifications. He further requested to submit any written demand after passing joint resolution in the villages.	Local People will be hired on the basis of their respective qualification.
	4.	Sh. Jagdish Singh S/o Sh. Surjit Singh, Village Talwara,	1. Whether any job opportunities will be given to the unemployed people or not.	The Environment Consultant again informed that the people of nearby villages will be given	With Project coming into being total employment will be given to about 75

		Mandi Gobindgarh		priority for jobs on the basis of their qualifications.	persons. On priority, preference will be given to local people.
			2. Additional Deputy Commissioner was requested to take steps for re-construction of the Talwara Road.	The Environment Consultant, R.S. Rana informed that the matter is related to the District Administration and if all the industrialists are ready to contribute for construction of the road then our industry will surely contribute in the same.	As a part of CER, the industry will contribute to welfare and maintainace of roads. **Budgetary Allocation:** Rs 10 Lakhs has been kept under CER activities
	5.	Sh. Roshan Chopra S/o Sh. Sukhdev Raj Chopra, Village Ajnali, Distt. Fatehgarh Sahib	What safety measures will be taken for the labour of the industry.	Labour persons involved near the induction furnace will be provided heat resistance goggles, safety shoes and gloves to protect them from high intensity heat.	Labour working in industry will be provided with PPE kits. In addition, Rs 3.0 lakhs has been kept for Occupational health and hazard for safety purposes of employees.
10.	Whether any litigation pending against the project or any direction/order passed by SPCB/ Court of Law against the project, if so, details there of shall also be included.		No, an undertaking in this regard has been submitted by the Project Proponent.		
11.	Project area involves forest land		No, an undertaking in this regard has been submitted by the Project Proponent.		

12. Raw material details:

Raw Materials	Proposed (TPA)
MS Scrap & Ferro Alloys	1,43,062

13. Production Capacity details:

Product Name	Proposed (TPA)
Steel Ingots/Billets, HR Flats, Strips	1,31,250

14. Details of major productive machinery/plant:

S. No.	Description	Capacity
1.	Induction Furnace	25 TPH
2.	Laddle Refining Furnace (LRF)	25 TPH
3.	Rolling Mill	01 No.
4.	Concast Machine	01 No.
5.	D.G. Set	1 No. (500 kVA)

15. Details of Emissions

Existing				
S. No.	**Source of stack emission**	**Capacity**	**Stack height (m)**	**APCD**
1.	Induction Furnace	25 TPH	30m above ground level	Pulse Jet Bag Filter House with offline cleaning technology
2.	Laddle Refining Furnace	25TPH	30m above ground level	Pulse Jet Bag Filter House with offline cleaning technology
2.	D.G. Set	1X500kVA	3m above roof level	---

16. Hazardous/Non-Hazardous Waste Generation details & their storage, utilization and its disposal. Copy of Agreement clearly mentioning the Quantity

S. No.	Waste Category	Proposed	Disposal
1.	35.1 Flue gas Cleaning residue	1TPD or 350 TPA	Sent to M/s Madhav KRG Ltd. (a copy of an agreement dated 22.11.2021 executed with M/s Madhav KRG Ltd., submitted.)
2.	5.1 Used oil/Spent oil	0.01kl.annum	Used as Lubricant within the industry

17. Solid Waste generation and its mode of disposal:

Details	Unit	Total Quantity after expansion	Disposal method
Slag	TPD	18.11 TPD	Sent to M/s Maa Saraswati Brick Traders (a copy of an agreement dated 09.06.2021 executed with M/s Maa Sarasvati Brick Traders., submitted for carrying out co-processing of the slag @ 50-55 MTD.

18. Waste water generation & its disposal Arrangement in Operation Phase:

Sr. No.	Description	Proposed	Mitigation Measures/Remarks
1.	Industrial Effluent	NIL	No generation of industrial effluent
2.	Domestic	2.8 KLD	Will be treated in septic tank & treated water used in Plantation/Green area

19. Source of water: Ground water @ 50 KLD
Further, the Project Proponent has submitted that the industry applied for obtaining permission from abstraction of ground water from PWRDA.

20. Breakup of Water Requirements & its source in Operation Phase:

DESCRIPTION	TOTAL REQUIREMENT
Domestic	3.5 KLD
Cooling (makeup water)	25 KLD
Total	**28.5 KLD**

Sources of water:

S. No.	Purposes	Source of water
1.	Domestic	Ground water
2.	Make-up water demand for cooling	Treated water
4.	Green area water	Treated water

<table>
<tr><td></td><td></td><td>demand</td><td></td></tr>
<tr><td>21.</td><td>Water balance chart for Summer, Rainy and Winter seasons (Submitted/Not Submitted)</td><td colspan="2">In Summer, Winter & Rainy seasons, out of total quantity of 28.5 KLD of fresh water, 3.5 KLD shall be utilized for domestic purposes, 25 KLD for cooling purposes. The domestic effluent @ 2.8 KLD and cooling tower blow down @ 3 KLD shall be cumulatively treated in a septic tank. The treated wastewater shall be utilized in the Green area.</td></tr>
<tr><td>22.</td><td>Rain Water Harvesting proposal (within/outside premises) along with NOC from concerned village Sarpanch (Submitted/Not Submitted)</td><td colspan="2">Outside: The industrial unit has adopted one pond for rain water harvesting at Mandi Gobindgarh. A copy of NOC for pond adoption issued by Smt. Swarnjeet Kaur, Municipal Councillor, Ward no. 9, Mandi Gobindgarh to the effect that there is no objection to the work pertaining to rain water harvesting undertaken by the industry for betterment of the ground water.
Inside: - A tank of 12 KLD is proposed for inside rain water harvesting using roof top of the project site.</td></tr>
<tr><td>23.</td><td>Block wise details of no. of trees to be planted in proposed greenbelt area(1500 Trees to be planted @ 10000 Sqm area):</td><td colspan="2">Area allocation for green belt: 33% i.e. 7184.01 m^2 of total area as per MoEF&CC stipulated norms will be developed as the green belt. A total of 1078 trees will be planted.</td></tr>
<tr><td>24.</td><td>a. Energy requirements & savings:

b. Energy saving measures to be adopted within industry:</td><td colspan="2">a. The details of the energy are given below:
<table>
<tr><th>S. No.</th><th>Description</th><th>Unit</th><th>Total</th></tr>
<tr><td>1.</td><td>Power load</td><td>KW</td><td>14000</td></tr>
<tr><td>2.</td><td>D.G sets</td><td>KVA</td><td>350</td></tr>
<tr><td></td><td>Any other</td><td>--</td><td>--</td></tr>
</table>
Energy Saving measures:
a) LEDs will be used in place of CFL
b) Solar lights will be used for lighting the streets</td></tr>
<tr><td>25.</td><td>a. EMP Budget details

b. Details of Environment Management Cell (EMC) responsible for implementation of EMP</td><td colspan="2">a. EMP budget details:
<table>
<tr><th>S. No</th><th>Title</th><th>Capital Cost ₹ Lakh</th><th>Recurring Cost ₹ Lakh</th></tr>
<tr><td>1</td><td>Pollution Control during construction stage</td><td>2.0</td><td>---</td></tr>
</table></td></tr>
</table>

		2	Air Pollution Control (Installation of APCD)	70.0	5.0
		3	Noise Pollution Control	2.0	1.30
		4	Green Belt development	6.5	2.0
		5	Solid/ Hazardous Waste Management	7.5	---
		6	Environment Monitoring and Management	5.0	0.10
		7	Occupational Health, Safety and Risk Management	3.0	0.50
		8	RWH	8.0	0.50
		9	Miscellaneous	4.0	--
			TOTAL	**₹108 Lakh**	**₹9.4 Lakh**
		CER Activities		₹ 10 Lakh	
			Sub-Total	**Rs. 118 Lakh**	**Rs. 9.4 Lakh**
		A duly constituted EMC comprises the following: 1. Partner 2. GM (Works) 3. Environment Consultant			

During meeting, SEAC observed that the capital cost proposed to be incurred on installation of APCD was found to be on the lower side. The Committee asked the Project Proponent to revise the Environment Management Plan by revising the capital cost of APCD. The Project Proponent vide letter dated 25.12.2021 revised the EMP by revising the cost of APCD with details as under:

S. No	Title	Capital Cost ₹ Lakh	Recurring Cost ₹ Lakh
1	Pollution Control during construction stage	2.0	---
2	Air Pollution Control (Installation of APCD)	150.0	10.0
3	Noise Pollution Control	2.0	1.05
4	Green Belt development	6.5	2.0

5	Solid/ Hazardous Waste Management	7.5	---
6	Environment Monitoring and Management	5.0	0.10
7	Occupational Health, Safety and Risk Management	3.0	0.50
8	RWH	8.0	0.50
9	Miscellaneous	4.0	--
	TOTAL	**₹188 Lakh**	**₹14.6 Lakh**
CER Activities		₹ 10 Lakh	

SEAC was satisfied with the presentation given by the Project Proponent and took a copy of the same on record.

After detailed deliberations, SEAC decided to award **'Silver Grading'** to the project proposal under category B1, Activity 3 (a) and to forward the application to SEIAA with the recommendations to grant Environmental Clearance for establishment of steel manufacturing unit having proposed capacity of 375 TPD, (1,31,250 TPA) of steel Ingots/billets, HR Flats & Strips by installing Induction Furnace of capacity 25 TPH at GT road, Sirhind Side, Backside Modern Steel Ltd., Mandi Gobindgarh, District- Fatehgarh Sahib, Punjab, as per the details mentioned in the Form 1, 1A, EMP & subsequent presentation /clarifications made by the project proponent and his consultant with, proposed measures and subject to the following conditions:-

I. Statutory compliance:

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

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

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

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

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

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

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

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

II. Air quality monitoring and preservation

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

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

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

three outside the plant area at an angle of 120° each), covering upwind and downwind directions.

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

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

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

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

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

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

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

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

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

III. Water quality monitoring and preservation

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

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

iii. Septic Tank shall be provided for treatment of domestic wastewater to meet the prescribed standards.

iv. Garland drains and collection pits shall be provided for each stock pile to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run off.

v. The project proponent shall practice rainwater harvesting to the maximum possible extent. For this, a pond at Mandi Gobindgarh having recharge potential of volume @ 72,843.36 m^3 shall be adopted to recharge the water @ 35,000m^3/annum. As an additional safety measure, the stream carrying waste water of the village shall be diverted in one corner of Phytorid plants trench (designed based on the technology developed by CSIR-NEERI's) divided into different parts, the overflow of each chamber shall be allowed to enter into another chamber which will ultimately lead to the purification of water and collected into the pond to avoid any contamination of ground water aquifer. Pond water will percolate through natural strata (without injection) to augment the ground water and remaining water shall be used for irrigation purposes by pumping method in the nearby fields.

vi. A tank of 12 KLD shall be constructed for inside rain water harvesting using roof top of the project site.

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

IV. Noise monitoring and prevention

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

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

V. Energy Conservation measures

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

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

iii. The project proponent shall provide the for LED lights in their offices and residential areas.

VI. Waste management

i. Used refractories shall be recycled as far as possible.

ii. 100% utilization of fly ash shall be ensured. All the fly ash shall be provided to cement and brick manufacturers for further utilization and Memorandum of Understanding in this regard shall be submitted to the Ministry's Regional Office.

iii. The waste oil, grease and other hazardous waste shall be disposed of as per the Hazardous & Other waste (Management & Transboundary Movement) Rules, 2016.

iv. Kitchen waste shall be composted or converted to biogas for further use.

VII. Green Belt

ii) Green belt shall be developed in an area of 7184.01 Sqm (equal to 33% of the plant area) with tree species in accordance with SEIAA guidelines. Total 1078 trees to be planted without accounting the shrubs. Tree species of Shisham, Kachnar, Bungania and False Ashok will be planted in phase manner.

VIII. Public hearing and Human health issues

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

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

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

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

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

IX. Environment Management Plan

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

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

iii. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. The project proponent shall spend a minimum amount of Rs 188 Lacs towards the capital cost and Rs 14.6 Lacs/annum towards recurring cost including the environmental monitoring cost for the implementation of EMP as proposed in following EMP plan.

S. No	Title	Capital Cost Rs. Lakh	Recurring Cost Rs. Lakh
1	Pollution Control during construction stage	2.0	---
2	Air Pollution Control (Installation of APCD)	150.0	10.0
3	Noise Pollution Control	2.0	1.5
4	Green belt development	6.5	2.0
5	Solid Waste Management	7.5	---
6	Environment Monitoring and Management	5.0	0.10

7	Occupational Health, Safety and Risk Management	3.0	0.50
8	RWH	8.0	0.50
9	Miscellaneous	4.0	--
10	CER Activities	10 Lakh	
	SUB-TOTAL	188 Lakh	14.6 Lakh

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

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

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

XIV. Validity

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

XV. Miscellaneous

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

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

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

xx) The project proponent shall monitor the criteria pollutants level namely; PM10, S02, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.

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

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

xxiii) The project proponent shall inform the Regional Office of the Ministry and PPCB, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.

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

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

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

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

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

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

xxx) The Regional Office of this Ministry and Punjab Pollution Control Board shall monitor compliance of the stipulated conditions. The project authorities should extend full

cooperation to the officer (s) of the Regional Office and PPCB by furnishing the requisite data / information/monitoring reports.

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

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

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

xvi) The project proponent shall install Side Suction Hood followed by Pulse-jet Bag filter with offline cleaning technology as APCD as per the amount indicated in the Environment Management Plan. Further, they will install APCD of flow rate 1,25,000 m3/hr for 1no. proposed induction furnace (25TPH) and APCD of flow rate 1,25,000 m3/h for 1no. of Laddle refining Furnace(25TPH).

xvii) 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.

xviii) 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.

xix) The project proponent shall obtain NOC from CGWA for abstraction of ground water @ 28.5 KLD to meet the requirement of Industrial, domestic & green belt.

xx) The project proponent shall construct rain water tank of capacity 12KLD to store rain water run off generated from the roof top during monsoon season within its premises.

xxi) The project proponent shall dispose of slag @ 18.11 TPD as per the agreement made with the interlocking tile manufacturing units.

xxii) The project proponent shall dispose of APCD dust @ 350 TPA to M/s Madhav KRG Ltd.

xxiii) 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.

xxiv) The project proponent shall provide Septic Tank 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.

xxv) 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.

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

xxvii) 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.

xxviii) 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.

xxix) 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.

xxx) 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.

xxxi) 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.

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

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

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

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

Item No. 211.05: Application for Environmental Clearance for expansion in existing Steel manufacturing unit having existing capacity 24,500TPA of Steel Billets/Ingots/Hand tool/Flats/Industrial rounds to 58,100TPA of Steel Billets/Ingots/Hand tool/Flats/Industrial rounds by addition of induction furnaces at Village Dugri, Tehsil Payal, District-Ludhiana, Punjab by M/s Maruti Alloys (Proposal No. SIA/PB/IND/69743/2021).

The project proponent has applied for Environmental Clearance for expansion in existing Steel manufacturing unit having existing capacity 24,500 TPA of Steel Billets/Ingots/Hand tool/Flats/Industrial rounds to 58,100 TPA of Steel Billets/Ingots/Hand tool/Flats/Industrial rounds by addition of one induction furnace of capacity 8 TPH at Village Dugri, Tehsil Payal, District- Ludhiana, Punjab. Project is covered under Activity 3(a) & Category 'B1' as per EIA notification-2006.

The proposed project production capacity of Steel/Billets/Ingots/Hand tool flats/industrial round after expansion will increase from 24,500 TPA to 58,100 TPA. The total cost of the project after expansion will be Rs. 13.60 Cr. including Rs. 6.50 Cr. as cost of expansion. The total land area of the project is 3.8 acres and no additional land area is required for the expansion.

The Industry was issued Terms of Reference for carrying out EIA study for obtaining Environmental Clearance under EIA notification dated 14.09.2006 vide letter no. SEIAA/MS/2021/4019 dated 04.05.2021.

Now, the industry submitted the final EIA report incorporated with the proceedings of public hearing held on 17.08.2021 and Environmental Clearance fee of Rs.34500/- and Rs 1,01,500/- submitted through NEFT vide UTR no. N042211404111294 dated 11.02.2021 and UTR no.- N33721173680856 on dated 03/12/2021, as verified by the supporting staff SEIAA.

The comments of the Punjab Pollution Control Board regarding the construction status,adequacy of pollution control proposal and suitability of site have been sent to SEIAA vide letter no. 4784 dated 01.11.2021. The details of the same is as under:

"It is submitted that subject cited industry has applied for conduct of public hearing for carrying out the expansion in an existing industrial unit by increasing the capacity of Steel Ingots/Billets /Ingots/Hand Tool Flats/ Industrial Rounds from 24,500 TPA to 58,100 TPA by adding one new induction furnace of capacity 8 TPH and one concast machine at Village Dugri Tehsil payal , Near Mount Laurel School, Distt. Ludhiana, Punjab. As per EIA

Notification dated 14.09.2006 the projects falls under category B of Schedule 3(a) of said notification i.e. metallurgical industries (ferrous and non-ferrous.

The project proponent is required to obtain environment clearance from State level Environment Impact Assessment Authority (SEIAA), Punjab Accordingly the TERM of References (TORs) for preparing draft EIA study report for the said project were prescribed by SEIAA, Punjab vide No. SEIAA/MS/2021/4019 dated 04.05.2021. The public hearing of the industry was fixed on 17.08.2021 at 01.00pm at existing site of industry.

This office has been directed by Head office Patiala to send the comments regarding suitability of site, adequacy of pollution equipment's construction status etc, through Chief Office/Zonal office in light of procedure prescribed in the order issued by Board vide no. 77 dated 29.01.2020.

In regard to the above, the site of the industry was visited by the officer of the Board on 12.08.2021 and the report sought is as below:-

1. *The site of the project is located at village Dugri, Teh Payal, Ludhiana at co-ordinates 30.7948561, 75.9512517. No construction of the newly proposed project has been started. No proposed machinery has been installed. The existing unit was in operation during the visit.*
2. *Within the radius of 500 m of site, there is no residential area. There is one school namely Mount litera ZEE School, The Payal Ludhiana which is within 500 m radius of project site. There are about 5-6 industrial units and one filpkart godown within 500 meter radius of this unit.*
3. *The industry has obtained consent of operate under Air Act, 1981 vide no. CTOA/Fresh/LDH1/2019/11689453 Dated 27/12/2019 valid upto 30/09/2024 & under Water Act, 1974 vide no . CTOW/Fresh/LDH1/2019/11689499 dated 27/12/2019 valid upto 30/09/2024 for induction furnace of capacity 7 TPH and manufacturing of Steel ingots @ 24500 MTA.*
4. *The industry has proposed to install the side hood along-with pules jet bag house as APCD with its induction furnace as per the design of PSCST, Chandigarh. Hence the APCD proposed is principally adequate.*
5. *The site is located more than 10 Km from the Municipal Corporation Ludhiana limit as such the site is located outside the boundary of critical polluted area (Ludhiana).*
6. *The industry has submitted CLU vide STP letter no. 4401 dated 18.10.18 as per which site of the industry falls under Industrial Land Use Zone as per Master Plan Ludhiana, (2007-2031). As such site is suitable for proposed expansion.*
7. *The industry has proposed to do the expansion in existing premises/building which is already constructed.*

As per the circular issued vide no Mega.2020/77 dated 29.01.2020 the Board had laid down the procedure for sending the status of the project to the SEIAA/SEAC. Accordingly to this guideline the site status report is to the sent through concerned Zonal office to the worthy Chairman office for approval the Board for sending the same to SEIAA/SEAC. The final report shall be issued to the SEIAA/SEAC by the concerned Zonal office.

The comments regarding the suitability of site construction status and adequacy of the pollution control proposal to be provided by the industry were sent through e-office of approval of competent Authority of the Boad and the same have been approved by competent Authority of the Board."

Deliberations during 211th meeting of SEAC held on 25.12.2021

The meeting was attended by the following:

1. Sh. Kuldip Singla, Partner on behalf of Project Proponent.
2. Sh. Sital Singh, EIA coordinator, M/s Chandigarh Pollution Testing Laboratory, E-126, Phase-VII, Industrial Area, Mohali.

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

1.	Nature of project (EC for new project/EC for Expansion/ EC for existing & proposed project)	EC for expansion project
2.	a) Category b) Activity (As per schedule appended to EIA Notification, 2006 as amended time to time)	(a) B-1 (b) Metallurgical Industries (ferrous & nonferrous) (8), Schedule 3(a) as per EIA notification-2006.
3.	a. Whether the project falls in the critical polluted area notified by MoEF&CC/CPCB. (Yes/No) b. If no and the proposed project site lies in the same or neighbouring district of critically polluted area, then details the distance of project site from the boundary of critically polluted area verified	The project site falls at a distance of 6.0 km from M.C. limit of Ludhiana. Toposheet showing the distance of project site as 6 Km from the MC limits of Ludhiana submitted.

<table>
<tr><td></td><td>by the regional office of SPCB. (Submitted/Not submitted)</td><td></td></tr>
<tr><td>4.</td><td>a. Total Project Cost (In Crores):

b. Total project cost breakup at current price level duly certified by Chartered Engineer/ Approved valuer or Chartered Accountant</td><td>a. Total Project Cost (In Crores): Rs. 13.60 Crore

b. Total project cost breakup at current price level duly certified by Chartered Engineer/ Approved valuer or Chartered Accountant is following:
<table>
<tr><th>Sr. No.</th><th>Description</th><th>Existing Cost (Rs. in Crores)</th><th>Proposed Cost (Rs. in Crores)</th><th>Total Cost (Rs. in Crores)</th></tr>
<tr><td>1</td><td>Land</td><td colspan="3">On lease</td></tr>
<tr><td>2</td><td>Building</td><td>2.38</td><td>1.50</td><td>3.88</td></tr>
<tr><td>3</td><td>APCD</td><td>0.40</td><td>0.40</td><td>0.80</td></tr>
<tr><td>4</td><td>Plant & Machinery*</td><td>4.32</td><td>4.60</td><td>8.92</td></tr>
<tr><td colspan="2">Total cost of project at current price level</td><td>7.10</td><td>6.50</td><td>13.60</td></tr>
</table></td></tr>
<tr><td>5.</td><td colspan="2">Plot Area Details
The details of the bifurcation of the area falling under the various components as per the conceptual/layout plan is as under:
<table>
<tr><td>Details</td><td>Sq. mtrs.</td></tr>
<tr><td>Total Plot Area</td><td>15305.76</td></tr>
<tr><td>Shed Covd Area</td><td>2353.62</td></tr>
<tr><td>Office Block Covd Area</td><td>213.19</td></tr>
<tr><td>Store room, Kitchen/canteen, Toilet block. Etc</td><td>153.15</td></tr>
<tr><td>Plantation area</td><td>5055.76(33%)</td></tr>
<tr><td>Road Area</td><td>2998.51</td></tr>
<tr><td>Transport parking area</td><td>1594.70</td></tr>
<tr><td>Proposed Shed area</td><td>483.27</td></tr>
<tr><td>Open Area</td><td>2453.53</td></tr>
</table></td></tr>
</table>

6.	a. Type of project land as per master plan (Industrial/Agriculture /Any other), b. If non industrial land then the details of Land Use Certificate / permissibility Certificate from Competent Authority (DTP/CTP) intimating land use pattern of the project site as per proposals of Master Plan of the area. (Submitted/Not Submitted)	As per master plan of Ludhiana, site falls in Industrial Zone. The project proponent has earmarked the location of the project at the Master Plan.
7.	Project area involves forest land, (Yes/No), **If yes,** then details of the extent of area involved and copy of permission & approval for the use of forest land	No. An undertaking in this regard has been submitted by the project proponent.
8.	Details of valid consent to operate under Air & Water Act	Consent to Operate under the provisions of the Water Act 1974 and Air Act 1981 obtained from PPCB vide Letter No. CTOW/Fresh/LDH1/2019/11689499 dated 27.12.2019; valid till 30.09.2021 and the Air (Prevention & Control of Pollution) Act, 1981 vide Letter No. CTOA/Fresh/LDH1/2019/11689453 dated 27.12.2019; valid till 30.09.2024.
9.	ToR compliance report (Submitted/ not submitted)	Submitted. The details of the compliance is a part of the final EIA report.
10	Compliance report of public hearing proceedings (Action Taken) submitted or not submitted	Sh. Santhok Singh S/o Sarwan Singh Village Dugri pointed out that the industry is required to clarify as to how the industry will control emission in the unit. Environmental consultant informed that fugitive emission shall be trapped by fume extraction side hood which will then be passed through Bag filter house with pulse jet technology as per the PSCST, Chandigarh Design. So there will in Pollution in the vicinity.

11	Whether any litigation pending against the project or any direction/order passed by SPCB/ Court of Law against the project, if so, details there of shall also be included.	No, an undertaking in this regard has been submitted by the Partner of the M/s Maruti Alloys.

12 **Public Hearing Proceedings:**

	Name and Address	Issues/Suggestion		Action Taken
	Santhok Singh, S/o Sarwan Singh resident of village Dugri, Ludhiana.	The Industry Shall clarify as to how the Industry will control emissions in the Unit	Environmental Consultant informed that the fugitive emissions shall be trapped by fume extraction side hood which will then be passed through Bag filter house with pulse jet technology as per the PSCST, Chandigarh Design. So there will be no pollution in the vicinity.	Pulse jet bag filter with offline technology having efficiency more than 99.0% will be installed. **Budgetary Allocation:** Rs 60.0 lakhs has been kept as capital cost for the purpose of APCD

				and Rs 2.5 lakhs as recurring cost per annum.

13 Raw material details:

Sr. No.	Raw Materials	Existing (TPA)	Proposed (TPA)	Total (TPA)
1.	MS Scrap, CI, Sponge Iron, Ferro Alloys	26,950	36,950	63,910

14 Production Capacity details:

Sr. No.	Product Name	Existing (TPA)	Additional (TPA)	Total (TPA)
1.	Steel Billets/ Ingots/ Hand tool flats/ Industrial round	24,500	33,600	58,100

15 Details of major productive machinery/plant:

S. No.	**PARTICULARS**	**EXISTING**	**ADDITIONAL**	**TOTAL**
1.	Induction Furnace	1X7 TPH	1X8TPH	1X7 TPH and 1X8 TPH
2.	CCM	Nil	01 no.	01 no.
3.	Rolling Mill	Nil	01 No.	01 No.

16 Manpower requirement (After expansion) 43

17 Details of Emissions (After expansion)

Existing				
S. No.	**Source of stack emission**	**Capacity**	**Stack height (m)**	**APCD**
1.	Induction Furnace	7 TPH	30m above ground level	Bag Filter House
2.	D.G. Set	1X200kVA	Stack with adequate height	
After Expansion				
3.	Induction Furnace	1X7 TPH, 1X8 TPH	30m above ground level	Pulse Jet bag filter with offline cleaning technology.
4.	D.G. Set	1X200kVA	Stack with adequate height	

18 Hazardous/Non-Hazardous Waste Generation details & their storage, utilization and its disposal. Copy of Agreement clearly mentioning the Quantity

S. No.	**Waste Category**	**After Expansion**	**Disposal**
1.	35.1 Flue gas Cleaning residue	0.8TPD or 280TPA	Will be sent to M/s Madhav alloys for final disposal. A copy of the agreement executed with M/s Madhav Alloys submitted.
2.	5.1 Used oil/Spent oil	0.02kl/ Annum	Will be sold to Authorized Recyclers.

19 Solid Waste generation and its mode of disposal:

Details	**Unit**	**Total Quantity after expansion**	**Disposal method**
Slag	TPD	9.2 TPD	M/s Santosh Aggarwal. A copy of the agreement executed with M/s Santosh Aggarwal submitted.

<table>
<tr><td>20</td><td>Water requirement details:</td><td>
<table>
<tr><th>S. No.</th><th>Description</th><th>Existing</th><th>After Expansion</th><th>Wastewater gerenation details</th><th>Mitigation Measures/Remarks</th></tr>
<tr><td>1.</td><td>Cooling (makeup water)</td><td>2.0</td><td>9.0</td><td>Nil</td><td>No generation of industrial effluent</td></tr>
<tr><td>2.</td><td>Domestic</td><td>1 KLD</td><td>2 KLD</td><td>1.6 KLD</td><td>STP of capacity 6 KLD will be installed & the wastewater shall be treated and used in Plantation/Green area</td></tr>
</table>
</td></tr>
<tr><td>21</td><td>Details of the block in which the project site is located as per CGWA guideline (Notified/ Non-Notified area and name of block)</td><td>The project site falls in Doraha block which is non-notified by CGWA.</td></tr>
<tr><td>22</td><td>Source of Water in Operation Phase:</td><td>Sources of water:
<table>
<tr><th>S. No.</th><th>Purposes</th><th>Source of water</th></tr>
<tr><td>1.</td><td>Domestic</td><td>Ground water</td></tr>
<tr><td>2.</td><td>Make-up water demand for cooling</td><td>Treated water</td></tr>
<tr><td>4.</td><td>Green area water demand</td><td>Treated water</td></tr>
</table>
</td></tr>
<tr><td>23</td><td>Water balance chart for Summer, Rainy and Winter seasons (Submitted/Not Submitted)</td><td>In Summer, Winter & Rainy seasons, out of total quantity of 11 KLD of fresh water, 2 KLD shall be utilized for domestic purposes, 9 KLD for cooling purposes. The domestic effluent @ 1.6 KLD and blow down @ 3 KLD shall be cumulatively treated in a Sewage Treatment Plant. The treated wastewater shall be utilized in the Green area.</td></tr>
</table>

<table>
<tr><td>24</td><td>Rain Water utilization proposal during monsoons (Submitted/Not Submitted)</td><td>Submitted.</td></tr>
<tr><td>25</td><td>Rain Water Harvesting proposal (within/outside premises) alongwith NOC from concerned village Sarpanch (Submitted/Not Submitted)</td><td>Outside: The industrial unit has adopted two village ponds for rain water harvesting at Village Dugri. The total recharge potential will be 7875 KL/Annum.

Inside: - A tank of 15 KLD is proposed for inside rain water harvesting using roof top of the industry.</td></tr>
<tr><td>26</td><td>Block wise details of no. of trees to be planted in proposed greenbelt area(1500 Trees to be planted @ 10000 Sqm area):</td><td>Area allocation for green belt: 33% i.e. 5055.76 m2 of total area as per MoEF&CC stipulated norms.

A total of 757 trees need to be planted, out of which 197 trees have already been planted. Thus, 560 trees need to be planted more which will be done in phased wise manner. Plantation will be done in June,2022.
Selection of plant species: Existing tree species are Shishm, Mango, Safeda, and Kachnar. Tree species like Mulberry, Bungania and False Ashok will be planted.
Budgetary allocation: ₹. 3.5 Lakhs under EMP cost.</td></tr>
<tr><td>27</td><td>c. Energy requirements & savings:

d. Energy saving measures to be adopted within industry:</td><td>b. The details of the energy are given below:
<table>
<tr><th>S. No.</th><th>Description</th><th>Unit</th><th>Existing</th><th>Proposed</th><th>Total</th></tr>
<tr><td>1.</td><td>Power load</td><td>KW</td><td>3500</td><td>3500</td><td>7000</td></tr>
<tr><td>2.</td><td>D.G sets</td><td>KVA</td><td>200</td><td>Nil</td><td>200</td></tr>
<tr><td></td><td>Any other</td><td>--</td><td>--</td><td>--</td><td>--</td></tr>
</table>
<u>Energy Saving measures:</u>
b) LEDs will be used in place of CFL
b) Solar lights will be used for lighting the streets</td></tr>
<tr><td>28</td><td>a. EMP Budget details

b. Details of Environment Management Cell</td><td>a. EMP budget details :
<table>
<tr><th>S. No</th><th>Title</th><th>Capital Cost ₹ Lakh</th><th>Recurring Cost ₹ Lakh</th></tr>
</table></td></tr>
</table>

	(EMC) responsible for implementation of EMP	1	Pollution Control during construction stage	3.0	---
		2	Air Pollution Control (Installation of APCD)	60.0	2.5
		3	Water Pollution Control (Installation of STP @ 6 KLD)	10.0	0.5
		4	Green Belt development	3.5	1.5
		5	Noise Pollution Control	1.5	0.1
		6	Solid/ Hazardous Waste Management	5.0	0.5
		7	Environment Monitoring and Management	5.0	0.60
		8	Occupational Health, Safety and Risk Management	5.0	0.5
		9	RWH	10.0	1.5
		10	Miscellaneous	10.0	--
		11.	CER activities	10.0	
			TOTAL	**₹123 Lakh**	**₹7.7 Lakh**
		A duly constituted EMC comprises the following: 1. Owner/ Director 2. GM (Works) 3. Environment Consultant			

During meeting, SEAC observed that the capital cost proposed to be incurred on installation of APCD and development of green belt was found to be on the lower side. The Committee asked the Project Proponent to revise the Environment Management Plan by revising the capital cost of APCD and green belt development. The Project Proponent vide letter dated 25.12.2021 revised the EMP by revising the cost of APCD and Green Belt Development with details as under:

S. No	Title	Capital Cost ₹ Lakh	Recurring Cost ₹ Lakh
1	Pollution Control during construction stage	5.0	---

2	Air Pollution Control (Installation of APCD)	90.0	5.0
3	Water Pollution Control (Installation of STP @ 6 KLD)	10.0	0.5
4	Green Belt development	4.5	2.5
5	Noise Pollution Control	1.5	0.5
6	Solid/ Hazardous Waste Management	5.0	0.5
7	Environment Monitoring and Management	5.0	0.5
8	Occupational Health, Safety and Risk Management	5.0	0.5
9	RWH	10.0	1.5
10	Miscellaneous	10.0	--
11.	CER activities	10.0	
	TOTAL	**₹146 Lakh**	**₹11.5 Lakh**

SEAC was satisfied with the presentation given by the Project Proponent and took a copy of the same on record.

After detailed deliberations, SEAC decided to award **'Silver Grading'** to the project proposal under category B1, Activity 3 (a) and to forward the application to SEIAA with the recommendations to grant Environmental Clearance for expansion in existing Steel manufacturing unit having existing capacity 24,500TPA of Steel Billets/Ingots/Hand tool/Flats/Industrial rounds to 58,100TPA of Steel Billets/Ingots/Hand tool/Flats/Industrial rounds by addition of induction furnaces at Village Dugri, Tehsil Payal, District- Ludhiana, Punjab by M/s Maruti Alloys, as per the details mentioned in the Form 1, 1A, EMP & subsequent presentation /clarifications made by the project proponent and his consultant with, proposed measures and subject to the following conditions:-

I. Statutory compliance:

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

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

iii. The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be

implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report. (in case of the presence of schedule-I species in the study area)

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

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

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

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

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

II. Air quality monitoring and preservation

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

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

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

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

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

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

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

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

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

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

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

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

III. Water quality monitoring and preservation

i. The project proponent shall monitor regularly ground water quality at least twice a year (pre and post-monsoon) at sufficient numbers of piezometers/sampling wells in the

plant and adjacent areas through labs recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories.

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

iii. Sewage Treatment Plant of capacity 6 KLD shall be provided for treatment of domestic wastewater to meet the prescribed standards.

iv. Garland drains and collection pits shall be provided for each stock pile to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run off.

v. The project proponent shall practice rainwater harvesting to the maximum possible extent. For this, a pond at Village- Dugri having recharge potential of volume @ 7875m^3 shall be adopted to recharge the water @ 7700m^3/annum. As an additional safety measure, the stream carrying waste water of the village shall be diverted in one corner of Phytorid plants trench (designed based on the technology developed by CSIR-NEERI's) divided into different parts, the overflow of each chamber shall be allowed to enter into another chamber which will ultimately lead to the purification of water and collected into the pond to avoid any contamination of ground water aquifer. Pond water will percolate through natural strata (without injection) to augment the ground water and remaining water shall be used for irrigation purposes by pumping method in the nearby fields.

vi. A tank of 15 KLD shall be constructed for inside rain water harvesting using roof top of the project site.

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

IV. Noise monitoring and prevention

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

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

V. Energy Conservation measures

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

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

iii. The project proponent shall provide the for LED lights in their offices and residential areas.

VI. Waste management

i. Used refractories shall be recycled as far as possible.

ii. 100% utilization of fly ash shall be ensured. All the fly ash shall be provided to cement and brick manufacturers for further utilization and Memorandum of Understanding in this regard shall be submitted to the Ministry's Regional Office.

iii. The waste oil, grease and other hazardous waste shall be disposed of as per the Hazardous & Other waste (Management & Transboundary Movement) Rules, 2016.

iv. Kitchen waste shall be composted or converted to biogas for further use.

VII. Green Belt

i) Green belt shall be developed in an area of 5055.76 Sqm (equal to 33% of the plant area) with tree species in accordance with SEIAA guidelines. Total 757 trees to be planted out of which 197 trees have already been planted and 560 will be planted in June-2022 without accounting the shrubs. Tree species of Mulberry, Bungania and False Ashok will be planted in phase manner.

VIII. Public hearing and Human health issues

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

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

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

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

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

IX. Environment Management Plan

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

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

iii. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. The project proponent shall spend a minimum amount of Rs 146 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 following EMP plan.

Sr. No	Title	Capital Cost Rs. Lakh	Recurring Cost Rs. Lakh
1	Pollution Control during construction stage	5.0	---
2	Air Pollution Control (Installation of APCD)	90.0	5.0

3	Water Pollution Control/STP up-gradation	10.0	0.5
4	Noise Pollution Control	1.5	0.5
5	Green belt development	4.5	2.5
6	Solid Waste Management	5.0	0.5
7	Environment Monitoring and Management	5.0	0.5
8	Occupational Health, Safety and Risk Management	5.0	0.5
9	RWH	10.0	1.5
10	Miscellaneous	10.0	--
11.	CER activities	10.0	
	Total	Rs. 146 Lakh	Rs. 11.5 Lakh

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

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

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

XI. Validity

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

XII. Miscellaneous

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

ii) The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in

addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.

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

iv) The project proponent shall monitor the criteria pollutants level namely; PM10, S02, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.

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

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

vii) The project proponent shall inform the Regional Office of the Ministry and PPCB, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.

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

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

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

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

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

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

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

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

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

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

i) The project proponent shall install Side Suction Hood followed by Pulse-jet Bag filter with offline cleaning technology as APCD as per the amount indicated in the Environment Management Plan. Further, they will install APCD of flow rate 36,000 m3/hr for 1no. proposed induction furnace (8TPH).

ii) The Project Proponent shall make necessary arrangements for control of Air Pollution, by installation of adequate capacity of APCD with Rolling Mill.

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.

iv) 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.

v) The project proponent shall obtain NOC from CGWA for abstraction of ground water @ 11.0 KLD to meet the requirement of Industrial, domestic & green belt.

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

vii) The project proponent shall dispose of slag @ 9.2TPD as per the agreement made with the interlocking tile manufacturing units.

viii) The project proponent shall dispose of APCD dust @ 0.8 TPD to M/s Madhav Alloys (P) Ltd.

ix) 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.

x) The project proponent shall provide STP of 6KLD 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.

xi) 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.

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

xiii) 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.

xiv) 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.

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 purposes shall not be parked along the roadside to avoid traffic congestion and a dedicated parking place to be provided for the same.

xvii) 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.

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

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

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

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

-Item No. 211.06:Application for Environmental Clearance for expansion in existing Steel manufacturing unit having existing capacity 26,950TPA of Steel Billets/Ingots/Hand tool/Flats/Industrial rounds to 1,15,500TPA of Steel Billets/Ingots/Hand tool/Flats/Industrial rounds by addition of induction furnaces at Village Dugri, Tehsil Payal, District- Ludhiana, Punjab by M/s Ajar Amar Steel Concast (Proposal No. SIA/PB/IND/69779/2021).

The project proponent has applied for Environmental Clearance for expansion in existing Steel manufacturing unit having existing capacity 26,950TPA of Steel Billets/Ingots/Hand tool/Flats/Industrial rounds to 1,15,500TPA of Steel Billets/Ingots/Hand tool/Flats/Industrial rounds by addition of induction furnaces at Village Dugri, Tehsil Payal, District- Ludhiana, Punjab.

The project is covered under Activity 3(a), Metallurgical industries (ferrous & non-ferrous) & Non-Toxic Secondary Metallurgical processing industry with capacity> 30,000 TPA, so the project is to be treated as category B as per MoEF&CC OM dated 24th December, 2013, and its Environment Clearance is to be accorded by the SEIAA, MoEF&CC, Punjab.

The industry has proposed to enhance the capacity by upgrading 1 no. of induction furnace of capacity 7 TPH to 10 TPH and introducing one new induction furnace of capacity 20 TPH, a Concast Machine and Rolling Mill of capacity 15 TPH. The capacity of unit after expansion will be 1,15,500 TPA of steel Ingots/Steel Billets/Hand tool Flats/Industrial rounds.

The industry was issued Terms of Reference for carrying out EIA study for obtaining Environmental Clearance under EIA notification dated 14.09.2006 vide letter no. SEIAA/MS/2021/4015 dated 04.05.2021.

The industry submitted the final EIA report incorporated with the proceedings of public hearing held on 17.08.2021 and Environmental Clearance fee of Rs. 58629/- vide transaction ID-5052326346 dated 05.03.2021 and Rs 1,75,885/- through NEFT vide UTR no. 5069853458 dated 04.12.2021, as verified by the supporting staff SEIAA. The total cost of the project after expansion is Rs 23.4514 Crores.

The Comments of Punjab Pollution Control Board regarding construction status, adequacy of pollution control proposal and suitability of the project site have received vide letter no. 4791 dated 01.11.2021. The relevant portion of the report is reproduced as under:

"It is submitted that subject suited industry has applied for conduct of public hearing for carrying out the expansion in an existing industrial unit by increasing the capacity of Streel Ingots/Billets/Ingots/Hand Tool Flats/Industrial Rounds from 26,950 TPA to 1,15000 TPA by adding induction furnace and up-grading of existing rolling ill at village. Dugri, tehsil Payal, distt. Ludhiana, Punjab. The industry has proposed to enhance the capacity of its existing induction furnace of capacity 7 TPH to 10 TPH and introducing one new induction furnace of capacity 20 TPH, a concast machine and rolling mill of capacity 15 TPH. As per EIA Notification dated 14.04.2006 the project fails under category B of Schedule 3(a) of said notification i.e. metallurgical industries (ferrous and nonferrous)

The project proponent is required to obtain environmental clearance from State level Environment impact Assessment Authority (SEIAA), Punjab Accordingly the Term of References (TORs) for preparing draft EIA study reports for the said project were prescribed by SEIAA, Punjab vide No SEIAA/MS./2021/4019 dated 04.05.2021. The public hearing of the industry was fixed on 17.08.2021 at 11:00 am at existing site of industry.

This office has been directed by Head Office, Patiala of send the comments regarding suitability of site, adequacy of pollution equipment's construction status etc., through Chief Office/Zonal office in light of procedure prescribed in the order issued by Board vide no 77 dated 29.01.2020.

The site of the industry was visited by the officer of the Board on 12.08.2021 and the report sought is as below: -

1. *The site of the project is located at Village Dugri, The. Payal Ludhiana at co-ordinates 30.7965132,75.9552673. No proposed machinery has been installed/arrived at site.*
2. *Within the radius of 500m of site, there is no residential area. There is one school namely Mount litera ZEE School, The. Payal Ludhiana within 500m radius of project site. There are about 5-6 industrial units and one flipkart godown within 500m radius of this unit.*
3. *The industry has obtained consent to operate under Air Act 1981, vide no, CTOA/Fresh/LDH1/2020/12187821 dated 30.04.2020 valid upto 30.09.2025& under Water Act, 1974 vide no. CTOW/Fresh/LDH1 /2020/12187783 dated 30.04.2020 valid upto 30.09.2025 for induction furnace of capacity 7 TPH and manufacturing of steel ingots @77 MTD.*
4. *The industry had also obtained NOC for expansion under the provision of Water Act, 1974 & Air ACt, 1981 for the addition of one concast machine and rolling mill of 10 TPH in its existing premises vide no. CTE/Exp/LDH1/2020/13942954 dated 09.12.2020 valid upto 08.12.2021.*

5. *The industry has installed side hood and bag house as APCD as per the design of PSCST, Chandigarh with its existing furnace of 7TPH. The industry has proposed to install the separate side hood and pulse jet bah house as APCD as per the design of PSCST, Chandigarh with its proposed furnace of capacity 10-TPH and 20TPH. The Industry has also proposed to install the bag house as APCD with its rolling mills. The APCD proposed are principally adequate.*
6. *The industry has proposed to do the expansion in its existing which is already constructed.*
7. *As per the SDM, Payal letter no 144 dated 08.04.19 the site is located more than 15 Km from the Municipal Corporation, Ludhiana as such the site is located outside the boundary of critical polluted area (Ludhiana).*
8. *The industry has submitted CLU vide STP letter no.343 dated 06.02.2016 as per site of the industry fails under industrial land use zone as per master plan Ludhiana (2007-2031) and also allowing industrial propose use to steel Billet unit vide STP letter no. 4640 dated 30.10.2018. As such site is suitable for proposed expansion.*

As per the circular issued vide no Mega.2020/77 dated 29.01.2020 the Board had laid down the procedure for sending the status of the project to the SEIAA/SEAC. Accordingly, to this guideline the site status report is to the sent through concerned Zonal office to the worthy Chairman office for approval the Board for sending the same to SEIAA/SEAC. The final report shall be issued to the SEIAA/SEAC by the concerned Zonal office.

The comments regarding the suitability of site construction status and adequacy of the pollution control proposal to be provided by the industry were sent through e-office of approval of competent Authority of the Boad and the same have been approved by competent Authority of the Board."

Deliberations during 211th meeting of SEAC held on 25.12.2021

The meeting was attended by the following:

1. Sh. Sorav Jain, Partner on behalf of Project Proponent.
2. Sh. Sital Singh, EIA coordinator, M/s Chandigarh Pollution Testing Laboratory, E-126, Phase-VII, Industrial Area, Mohali.

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

1.	Name of the project: Correspondence address:	M/s Ajar Amar Steel Concast Village- Dugri, Tehsil- Payal, District- Ludhiana, Punjab
2.	Online Proposal No.	**SIA/PB/IND/69779/2021**

<table>
<tr><td>3.</td><td>Nature of project (EC for new project/EC for Expansion/ EC for existing & proposed project)</td><td>EC for proposed project for installation & upgradation of the induction furnaces.</td></tr>
<tr><td>4.</td><td>a) Category
b) Activity
(As per schedule appended to EIA Notification, 2006 as amended time to time)</td><td>(a) B-1
(b) Metallurgical Industries (ferrous & nonferrous) (8), Schedule 3(a) as per EIA notification-2006.</td></tr>
<tr><td>5.</td><td>a. Whether the project falls in the critical polluted area notified by MoEF&CC/CPCB. (Yes/No)
b. If no and the proposed project site lies in the same or neighbouring district of critically polluted area, then details the distance of project site from the boundary of critically polluted area verified by the regional office of SPCB. (Submitted/Not submitted)</td><td>The project site falls 6.0 km from M.C. limit of Ludhiana. A copy of the letter issued by the SDM Payal, District Ludhiana vide letter no. 144 dated 08.04.2019 stating that the site of the project falls at a distance of 15 Km from the limits of the MC Ludhiana.</td></tr>
<tr><td>6.</td><td>a. Total Project Cost (In Crores) :

b. Total project cost breakup at current price level duly certified by Chartered Engineer/ Approved valuer or Chartered Accountant</td><td>a. Total Project Cost (In Crores) : Rs. 23.4514 Crore

b. Total project cost breakup is as under:
<table>
<tr><th>Sr. No.</th><th>Description</th><th>Existing Cost (Rs. in Crores)</th><th>Proposed Cost (Rs. in Crores)</th><th>Total Cost (Rs. in Crores)</th></tr>
<tr><td>1</td><td>Land</td><td colspan="3">The total land area of the industry is 4 acres and the proposed expansion shall be carried out in existing land only. (Land has been taken on lease)</td></tr>
<tr><td>2</td><td>Building</td><td>5.50</td><td>0.40</td><td>5.90</td></tr>
<tr><td>3</td><td>Plant & Machinery*</td><td>8.7014</td><td>6.50</td><td>15.2014</td></tr>
<tr><td>4</td><td>Others</td><td>2.25</td><td>0.10</td><td>2.35</td></tr>
<tr><td colspan="2">Total cost of project at current price level</td><td>16.4514</td><td>7.0</td><td>23.4514</td></tr>
</table></td></tr>
</table>

<table>
<tr><td>7.</td><td>Plot Area Details</td><td>
<table>
<tr><th>Details</th><th>Sq. mtrs.</th></tr>
<tr><td>Total Plot Area</td><td>15909</td></tr>
<tr><td>Shed Covd Area</td><td>5078</td></tr>
<tr><td>Office Block Covd Area, Store room, Kitchen/canteen, Toilet block, Transport parking area, Passage area. Etc</td><td>5577</td></tr>
<tr><td>Plantation area</td><td>5254(33%)</td></tr>
</table>
</td></tr>
<tr><td>8.</td><td>a. Type of project land as per master plan (Industrial/Agriculture/Any other),

b. If non industrial land then the details of Land Use Certificate / permissibility Certificate from Competent Authority (DTP/CTP) intimating land use pattern of the project site as per proposals of Master Plan of the area. (Submitted/Not Submitted)</td><td>A coloured copy of the Master Plan of Ludhiana showing the location of the project site in Industrial Zone submitted by the project proponent.</td></tr>
<tr><td>9.</td><td>Details of valid consent to operate under Air & Water Act</td><td>Consent to Operate has been obtained from PPCB under the Water (Prevention & Control of Pollution) Act, 1974 vide Letter No. CTOW/Fresh/LDH1/2020/12187783 dated 30.04.2020; valid till 30.09.2025 and the Air (Prevention & Control of Pollution) Act, 1981 vide Letter No. CTOA/Fresh/LDH1/2020/12187821 dated 30.04.2020; valid till 30.09.2025.</td></tr>
<tr><td>10.</td><td>ToR compliance report (Submitted/ not submitted)</td><td>Submitted.</td></tr>
<tr><td>11.</td><td>Compliance report of public hearing proceedings (Action Taken) submitted or not submitted</td><td>Submitted, no one from the public raised clarification/comments pertaining to project proposal.</td></tr>
</table>

<table>
<tr><td>12.</td><td>Whether any litigation pending against the project or any direction/order passed by SPCB/ Court of Law against the project, if so, details there of shall also be included.</td><td>(a) No, A copy of an undertaking submitted by the industry.</td></tr>
<tr><td>13.</td><td>Raw material details:</td><td>
<table>
<tr><th>Sr. No.</th><th>Raw Materials</th><th>Existing (TPA)</th><th>Proposed (TPA)</th><th>Total (TPA)</th></tr>
<tr><td>1.</td><td>MS Scrap, CI, Sponge Iron, Ferro Alloys</td><td>29,050</td><td>98,200</td><td>1,27,250</td></tr>
</table>
</td></tr>
<tr><td>14.</td><td>Production Capacity details:</td><td>
<table>
<tr><th>Sr. No.</th><th>Product Name</th><th>Existing (TPA)</th><th>Additional (TPA)</th><th>Total (TPA)</th></tr>
<tr><td>1.</td><td>Steel Billets/ Ingots/ Hand tool flats/ Industrial round</td><td>26,950</td><td>88,550</td><td>1,15,500</td></tr>
</table>
</td></tr>
<tr><td>15.</td><td>Details of major productive machinery/plant:</td><td>
<table>
<tr><th>S. No.</th><th>PARTICULARS</th><th>EXISTING</th><th>ADDITIONAL</th><th>TOTAL</th></tr>
<tr><td>1.</td><td>Induction Furnace</td><td>1X7 TPH</td><td>Existing 7 TPH will be upgraded to 10TPH and new induction furnace of 20TPH shall be installed.</td><td>1X10 TPH 1X20 TPH</td></tr>
<tr><td>2.</td><td>CCM</td><td>Nil</td><td>01 no.</td><td>01 no.</td></tr>
<tr><td>3.</td><td>Rolling Mill</td><td>10 TPH</td><td>Existing 10 TPH will be upgrade to 15 TPH</td><td>1 no. X15TPH</td></tr>
</table>
</td></tr>
<tr><td>16.</td><td>Manpower requirement (After expansion)</td><td>80</td></tr>
</table>

17. Details of Emissions

		Existing& After Expansion		
S. No.	**Source of stack emission**	**Capacity**	**After Expansion**	**APCD**
1.	Induction Furnace	7 TPH	Existing 7TPH will be upgraded to 10TPH, 1X20 TPH	Pulse Jet bag filter with offline cleaning technology followed by the stack of height 30 m.
2.	D.G. Set	1X140 kVA	01X140 kVA and 01X600 KVA	Stack with adequate height

18. Hazardous/Non-Hazardous Waste Generation details & their storage, utilization and its disposal. Copy of Agreement clearly mentioning the Quantity

S. No.	**Waste Category**	**After Expansion**	**Disposal**
1.	35.1 Flue gas Cleaning residue	1.728 TPD or 604.8 TPA	Will be sent to M/s Madhav alloys for final disposal. (A copy of the agreement executed with M/s Madhav Alloys submitted)
2.	5.1 Used oil/Spent oil	0.02kl/ Annum	To be used as Lubricant within the industry

19. Solid Waste generation and its mode of disposal:

Details	**Unit**	**Total Quantity after expansion**	**Disposal method**
Slag	TPD	15 TPD	M/s Santosh Aggarwal B.K.O (A copy of agreement executed with M/s Santosh Aggarwal BKO submitted)

20. Waste water generation & its disposal Arrangement in Operation Phase:

S. No.	**Description**	**Existing**	**After Expansion**	**Mitigation Measures/Remarks**
1.	Industrial Effluent	NIL	NIL	No generation of industrial effluent
2.	Domestic	3.6 KLD	5.2 KLD	STP of 10.0 KLD will be installed & treated water used in Plantation/Green area

<table>
<tr><td>21.</td><td>Details of the block in which the project site is located as per CGWA guideline (Notified/ Non-Notified area and name of block)</td><td>The project site falls in Doraha block which is non- notified by CGWA.</td></tr>
<tr><td>22.</td><td>Breakup of Water Requirements & its source in Operation Phase:</td><td>
<table>
<tr><th>S. No.</th><th>Description</th><th>Existing water demand (KLD)</th><th>Proposed water demand (KLD)</th><th>Total water demand (KLD)</th></tr>
<tr><td>1.</td><td>Domestic water demand</td><td>3.5</td><td>3.0</td><td>6.5</td></tr>
<tr><td>2.</td><td>Make up water demand for cooling purpose</td><td>26.5</td><td>12.0</td><td>38.5</td></tr>
<tr><td colspan="2">Total</td><td>30.0</td><td>15.0</td><td>45.0</td></tr>
</table>
</td></tr>
<tr><td>23.</td><td>Water balance chart for Summer, Rainy and Winter seasons (Submitted/Not Submitted)</td><td>For all the three seasons, out of total quantity of 45 KLD freshwater requirement, total quantity of 6.5 KLD will be met for domestic requirement and 38.5 for cooling water make up. Total wastewater generation shall be 5.2 KLD (domestic effluent) and 3 KLD from blow down. The wastewater is being treated in the STP and the treated waster shall be utilized in the green area. The hydraulic loading of the treated wastewater has been shown adequate for all the three seasons.</td></tr>
<tr><td>24.</td><td>Rain Water Harvesting proposal (within/outside premises) alongwith NOC from concerned village Sarpanch (Submitted/Not Submitted)</td><td>Outside: The industrial unit has adopted one village pond for rain water harvesting at Village Dugri. The total recharge potential will be 31500KL/annum.
Inside: - A tank of 15 KLD is proposed for inside rain water harvesting using roof top of the project site. The total recharge potential will be 210 m3.</td></tr>
<tr><td>25.</td><td>e. Energy requirements & savings:

f. Energy saving measures to be adopted within industry:</td><td>c. The details of the energy are given below:
<table>
<tr><th>S. No.</th><th>Description</th><th>Unit</th><th>Existing</th><th>Proposed</th><th>Total</th></tr>
<tr><td>1.</td><td>Power load</td><td>KW</td><td>3999</td><td>8000</td><td>11999</td></tr>
<tr><td>2.</td><td>D.G sets</td><td>KVA</td><td>140</td><td>600</td><td>140, 600</td></tr>
<tr><td></td><td>Any other</td><td>--</td><td>--</td><td>--</td><td>--</td></tr>
</table>
<u>Energy Saving measures:</u></td></tr>
</table>

<table>
<tr><td></td><td></td><td>a) LEDs will be used in place of CFL
b) Solar lights will be used for lighting the streets</td></tr>
<tr><td>26.</td><td>a. EMP Budget details

b. Details of Environment Management Cell (EMC) responsible for implementation of EMP</td><td>a. EMP budget details :
<table>
<tr><th>S. No</th><th>Title</th><th>Capital Cost ₹ Lakh</th><th>Recurring Cost ₹ Lakh</th></tr>
<tr><td>1</td><td>Pollution Control during construction stage</td><td>5.0</td><td>---</td></tr>
<tr><td>2</td><td>Air Pollution Control (Installation of APCD)</td><td>60.0</td><td>3.5</td></tr>
<tr><td>3</td><td>Water Pollution Control (Installation of STP @ 10 KLD)</td><td>13.0</td><td>1.0</td></tr>
<tr><td>4</td><td>Green Belt development</td><td>2.5</td><td>0.8</td></tr>
<tr><td>5</td><td>Noise Pollution Control</td><td>1.0</td><td>0.2</td></tr>
<tr><td>6</td><td>Solid/ Hazardous Waste Management</td><td>6.5</td><td>0.5</td></tr>
<tr><td>7</td><td>Environment Monitoring and Management</td><td>5.0</td><td>0.6</td></tr>
<tr><td>8</td><td>Occupational Health, Safety and Risk Management</td><td>5.0</td><td>1.0</td></tr>
<tr><td>9</td><td>RWH</td><td>12.0</td><td>1.5</td></tr>
<tr><td>10</td><td>Miscellaneous</td><td>8.0</td><td>--</td></tr>
<tr><td>11.</td><td>CER activities</td><td colspan="2">10.0</td></tr>
<tr><td></td><td>TOTAL</td><td>₹128 Lakh</td><td>₹9.1 Lakh</td></tr>
</table>
A duly constituted EMC comprises the following:
1. Owner/ Director
2. GM (Works)
3. Environment Consultant</td></tr>
</table>

27.	Project area involves forest land, (Yes/No), **If yes,** then details of the the extent of area involved and copy of permission & approval for the use of forest land	No, an undertaking in this regard has been submitted.

During meeting, SEAC observed that the capital cost proposed to be incurred on installation of APCD and development of green belt was found to be on the lower side. The Committee asked the Project Proponent to revise the Environment Management Plan by revising the capital cost of APCD and green belt development. The Project Proponent vide letter dated 25.12.2021 revised the EMP by revising the cost of APCD and Green Belt Development with details as under:

S. No	**Title**	**Capital Cost ₹ Lakh**	**Recurring Cost ₹ Lakh**
1	Pollution Control during construction stage	5.0	---
2	Air Pollution Control (Installation of APCD)	90.0	5
3	Water Pollution Control (Installation of STP @ 10 KLD)	13.0	1.0
4	Green Belt development	4.5	2.5
5	Noise Pollution Control	1.0	0.5
6	Solid/ Hazardous Waste Management	6.5	0.5
7	Environment Monitoring and Management	5.0	0.6
8	Occupational Health, Safety and Risk Management	5.0	1.0
9	RWH	12.0	1.5
10	Miscellaneous	8.0	--
11.	CER activities	10.0	
	TOTAL	**₹160 Lakh**	**₹12.6 Lakh**

SEAC was satisfied with the presentation given by the Project Proponent and took a copy of the same on record.

After detailed deliberations, SEAC decided to award **'Silver Grading'** to the project proposal under category B1, Activity 3 (a) and to forward the application to SEIAA with the recommendations to grant Environmental Clearance for expansion in existing Steel manufacturing unit having existing capacity 26,950TPA of Steel Billets/Ingots/Hand tool/Flats/Industrial rounds to 1,15,500TPA of Steel Billets/Ingots/Hand tool/Flats/Industrial rounds by addition of induction furnaces at Village Dugri, Tehsil Payal, District- Ludhiana, Punjab by M/s Ajar Amar Steel Concast, as per the details mentioned in the Form 1, 1A, EMP & subsequent presentation /clarifications made by the project proponent and his consultant with, proposed measures and subject to the following conditions:-

I. Statutory compliance:

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

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

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

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

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

arrangements by using surface water or treated city sewage effluent after obtaining permission from the competent authority.

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

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

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

II. Air quality monitoring and preservation

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

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

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

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

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

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

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

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

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

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

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

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

III. Water quality monitoring and preservation

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

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

iii. Sewage Treatment Plant of capacity 10 KLD shall be provided for treatment of domestic wastewater to meet the prescribed standards.

iv. Garland drains and collection pits shall be provided for each stock pile to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run off.

v. The project proponent shall practice rainwater harvesting to the maximum possible extent. For this, a pond at Village- Bhagwanpura, District- Ludhiana having recharge potential of volume @ 63,000m^3 shall be adopted to recharge the water @ 31,500m^3/annum. As an additional safety measure, the stream carrying waste water of the village shall be diverted in one corner of Phytorid plants trench (designed based on the technology developed by CSIR-NEERI's) divided into different parts, the overflow of each chamber shall be allowed to enter into another chamber which will ultimately lead to the purification of water and collected into the pond to avoid any contamination of ground water aquifer. Pond water will percolate through natural strata (without injection) to augment the ground water and remaining water shall be used for irrigation purposes by pumping method in the nearby fields.

vi. A tank of 15 KLD shall be constructed for inside rain water harvesting using roof top of the project site.

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

IV. Noise monitoring and prevention

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

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

V. Energy Conservation measures

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

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

iii. The project proponent shall provide the for LED lights in their offices and residential areas.

VI. Waste management

i. Used refractories shall be recycled as far as possible.

ii. 100% utilization of fly ash shall be ensured. All the fly ash shall be provided to cement and brick manufacturers for further utilization and Memorandum of Understanding in this regard shall be submitted to the Ministry's Regional Office.

iii. The waste oil, grease and other hazardous waste shall be disposed of as per the Hazardous & Other waste (Management & Transboundary Movement) Rules, 2016.

iv. Kitchen waste shall be composted or converted to biogas for further use.

VII. Green Belt

i) Green belt shall be developed in an area of 5252 Sqm (equal to 33% of the plant area) with tree species in accordance with SEIAA guidelines. Total 787 trees to be planted without accounting the shrubs out of which 250 trees have already been planted and 587 will be planted in June 2022. Tree species of Mulberry, Bungania and False Ashok will be planted.

VIII. Public hearing and Human health issues

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

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

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

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

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

IX. Environment Management Plan

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

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

iii. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. The project proponent shall spend a minimum amount of Rs 160 Lacs towards the capital cost and Rs 12.6 Lacs/annum towards recurring cost including the environmental monitoring cost for the implementation of EMP as proposed in following EMP plan.

S. 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)	90.0	5.0
3	Water Pollution Control (Installation of STP @ 10 KLD)	13.0	1.0
4	Green belt development	4.5	2.5
5	Noise pollution control	1.0	0.5
6	Solid Waste Management	6.5	0.5
7	Environment Monitoring and Management	5.0	0.6
8	Occupational Health, Safety and Risk Management	5.0	1.0
9	RWH	12.0	1.5
10	Miscellaneous	8.0	--

11.	CER activities	10.0	
	Total	Rs. 160 Lakh	Rs. 12.6 Lakh

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

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

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

X. Validity

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

XI. Miscellaneous

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

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

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

iv) The project proponent shall monitor the criteria pollutants level namely; PM10, S02, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.

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

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

vii) The project proponent shall inform the Regional Office of the Ministry and PPCB, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.

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

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

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

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

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

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

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

xv) The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of

Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.

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

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 as per the amount indicated in the Environment Management Plan. Further, the Project Proponent will install APCD of flow rate 1,25,000 m3/hr for 1no. proposed induction furnace (20TPH).

ii) The Project Proponent shall make necessary arrangements for control of Air Pollution, by installation of APCD of adequate capacity with the Induction Furnance of enhanced capacity of 10 TPH.

iii) The Project Proponent shall make necessary arrangements for control of Air Pollution, by installation of APCD of adequate capacity with the Rolling Mill of enhanced capacity of 15 TPH.

iv) 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.

v) 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.

vi) The project proponent shall obtain NOC from CGWA for abstraction of ground water @ 45.0 KLD to meet the requirement of Industrial, domestic & green belt.

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

viii) The project proponent shall dispose of slag @ 15 TPD as per the agreement made with the interlocking tile manufacturing units.

ix) The project proponent shall dispose of APCD dust @ 1.728 TPD to TSDF site, Nimbua

x) 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.

xi) The project proponent shall provide STP of 10 KLD 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.

xii) 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.

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

xiv) 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.

xv) 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.

xvi) 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.

xvii) 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.

xviii) 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.

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

xx) 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.