Proceeding of 199th meeting of State Expert Appraisal Committee (SEAC) to be held on 23.04.2021 in the Conference Hall No. 2 at 11:00 AM, MGSIPA Complex, Sector-26, Chandigarh.

The following were present:

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

Item No. 01: Confirmation of the proceedings of 198th meeting of State Level Expert Appraisal Committee held on 05.04.2021.

SEAC was apprised that the proceedings of 198th meeting of State Level Expert Appraisal Committee held on 05.04.2021 have been prepared and were circulated to all the members through email on 12.04.2021. Mr. K.L Malhotra, Member, SEAC raised some observations w.r.t. coverage of green area and KML file vide email dated 13.04.21. The said observations were placed before the Committee. After deliberations on the observations, the said proceedings were confirmed.

Item No. 02: Action taken on the proceedings of the 198th meeting of State Level Expert Appraisal Committee held on 05.04.2021.

SEAC was apprised that the action taken on the decisions of 198th meeting of State Level Expert Appraisal Committee held on 05.04.2021 was completed. SEAC noted the same.

Item No. 199.01: Application for issuance of TORs for carrying out EIA study for obtaining Environmental Clearance under EIA notification dated 14.09.2006 for expansion of a Group Housing Project namely "Mona Green" located at VIP Road, Village Bishanpura, Near Zirakpur, Distt. S.A.S. Nagar by M/s Mona Township Pvt. Ltd. (Proposal no. SIA/PB/NCP/22972/2018)

1.0 Background

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

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

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

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

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

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

Para (4) The cases of violations will be appraised with a view to assess that the project has been constructed at a site which under prevailing laws is permissible and expansion has been done which can run sustainably under compliance of

environmental norms with adequate environmental safeguards, and in case, where the findings of Expert Appraisal Committee for projects under category A or State or Union territory level Expert Appraisal Committee for projects under category B is negative, closure of the project will be recommended along with other actions under the law.

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

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

Deliberation during 167th meeting of SEAC held on 26.05.2018

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

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

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

Deliberation during 185th meeting of SEAC held on 29.11.2019

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

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

SEAC raised the following observations to the project proponent:

1. As to whether a hard copy of the application/Complete Proposal along with a list of persons responsible for the violation has been submitted.

2. As to whether the project has been constructed at a site which under prevailing law is permissible. if yes, has the project proponent submitted any documentary proof in this regard.

3. Whether permission has been obtained for the abstraction of the groundwater from the CGWA or not?

4. Whether any specific ToRs for the project on assessment of ecological damage, remediation plan and natural and community resources augmentation plan have been submitted?

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

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

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

Summary of the project given as under:

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

S.No.	Item	Details
1.	Name & Location of the project	Expansion of a Group Housing Project namely "Mona Green" located at VIP Road, Village Bishanpura, Near Zirakpur, Distt. S.A.S. Nagar
2.	Project/activity covered under item of scheduled to the EIA Notification,14.09.2006	8(a) 'Building & Construction Project'
3.	Copy of the Master plan duly marked with the project site	Not Submitted. However, exiting project of M/s Mona Township Pvt. Ltd. had already granted Environmental Clearance vide letter

		number SEIAA/2014/5946 dated 24.01.2014 for construction of a Group Housing Project namely "Mona Greens" having a built-up area of 31,093.13 sqm in the total plot area of 3.92 acres
4	Pre-feasibility report as per Ministry of Environment & Forests, Circular dated 30.12.2010.	Not submitted
5.	Proof of ownership of land	Not Submitted
6.	Copy of Memorandum of Article & Association/partnership deed /undertaking of sole proprietorship/list of Directors and names of other persons responsible for managing the day-to-day affairs of the project.	Not Submitted
7.	Proposed ToRs (based on the standard ToRs)	Submitted
8.	Does it attract the general condition? If yes, please specify	No
9.	Whether the proposal involves approval/clearance under the Forest (Conservation)Act,1980	No
10.	Does the project cover under PLPA, 1900	No
11.	Whether the proposal involves approval/clearance under the Wildlife (Protection)Act, 1972?.	No
12.	Classification/Land use pattern as per Master Plan	The project site is located at Gazipur, Zirakpur. The land for the proposed project conforms to the land use as per the Master plan
13.	Cost of the project	59 Crores.
14.	TORs Fee details	NA as the application submitted on 13.09.2017 i.e. before the date of Notification 27.06.2019
15.	Total Plot Area, Built-up Area and Green area	

	DESCRIPTION	EXISTING	ADDITIONAL *	TOTAL
	Total Area	15863 sqm	-	15863 sqm

	Built-up Area	31093 sqm	264+ 9998	41516 sqm
	Flats	283	21	304
	* Note: Some changes of 264 sqm i.e. (31357-31093) and basement of 9998 sqm, which was not considered at the time of Environmental Clearance.			
16.	Source of water supply		Ground Water (Tubewell)	
17.	Total water demand		207 KLD	
18.	Waste Water generation		165 KLD Treatment: -STP of 175 KLD Capacity	
19.	Effluent utilization		Recycled Water-82 KLD, i) Uses- Flushing-68 KLD, ii) Plantation & Irrigation-14KLD	
20.	Rainwater harvesting		Rooftop rainwater of buildings will be collected in 4 RWH tanks of total 100 KLD capacity for harvesting after filtration	
21	Air pollution control		Chimney on DG sets	
22	Solid waste		About 0.611 TPD solid waste will be generated in the project. The biodegradable waste will be sent to the approved site and the non-biodegradable waste generated will be handed over to the authorized local vendor	
23	Hazardous waste		Used oil will be stored in HDPE drums and kept in covered rooms under lock and key and will be sold as per EPA Rules to approved recyclers only	
22.	Energy Requirements & Saving		i) The total power requirement during operation phase is 2800 KW and will be met from PSPCL, Punjab ii) Proposed energy-saving measures would save about 18 % of power	

2.1 Complete details of the case are summarised as under:

1	Proposal No	SIA/PB/NCP/22972/2018
2	Date of submission of application	13.09.2017
3	Date of acceptance of application	22.05.2018

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

3.0 Deliberation during 189th meeting of SEAC held on 28.05.2020

The meeting was attended by the following through video conference:

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

The project proponent informed the SEAC that the said project had been granted Environmental Clearance vide letter number SEIAA/2014/5946 dated 24.01.2014. However, in the said Environmental Clearance, the basement area could not be taken into account inadvertently. He informed that in the previous application for which Environmental Clearance was granted, the prosecution was already filed against the project proponent as the earlier application was also a violation case. He further informed that this case was inadvertently applied in violation window whereas the project was

required to be applied only for amendment of Environmental Clearance. Apart from the basement area, there is no other change in the application. He requested the SEAC to allow him to withdraw the current application and allow him to apply for an amendment in the Environmental Clearance.

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

4.0 Deliberation during 166th meeting of SEAC held on 26.06.2020

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

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

5.0 Deliberations during 193rd meeting of SEAC held on 26.09.2020

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

To a query of SEAC regarding the submission of documentary evidence to prove their contention that the basement area was provided/included in other valid and reliable documents but was inadvertently left out in the earlier application for Environment Clearance, the Environmental consultant of the Project Proponent requested to give some time and defer the case for next meeting.

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

6.0 Deliberations during 197th meeting of SEAC held on 15.03.2021

The case considered by SEAC in its 197th meeting held on 15.03.2021 and was attended by following on behalf of Project Proponent.

1. Mr. Sital Singh, EIA coordinator, M/s CPTL Laboratories, Mohali.

The Environmental Consultant of the Project Proponent informed the committee that Project Proponent could not be present in the meeting due to health issues and requested to defer the case to the next meeting of SEAC.

After detailed deliberations, SEAC decided to defer the matter to the next meeting of SEAC.

7.0 Deliberations during 198th meeting of SEAC held on 05.04.2021

The matter was again considered again by SEAC in its 198th meeting held on 05.04.2021. Neither the Environmental Consultant nor the Project Proponent was present. SEAC decided to defer the matter to the next meeting of SEAC.

8.0 Deliberations during 199th meeting of SEAC held on 23.04.2021

The meeting was attended by the following:

1. Sh. Harminder Paul, Senior Manager and Sh. Deepak Gupta, Environmental Advisor, on behalf of the Project Proponent.
2. Sh. Sital Singh, EIA coordinator, M/s CPTL.

SEAC observed following changes in the Building Plan submitted at the time of obtaining Environmental Clearance and submitted now with the proposal:

Sr. No	Description	As per Building Plan submitted at the time of grant of EC	As per approved Building Plan submitted with the New Proposal
1.	No. of Main Units (flats)	255	272
2.	No. of EWS	28	29
3.	**Proposed Ground Coverage**		
	Block A	3572 sqft	4255 sqft
	Block D	1105 sqft	1511 sqft
4.	Club	No Club	Club Constructed = 28275 Sqft
5.	Proposed FAR	334681.688 sqft	3351820 sqft
6.	Parking in basement	104537 Sqft	107580 Sqft

SEAC further observed that in the New Proposal, the Project Proponent has shown Swimming Pool and Club which otherwise was the green area in the earlier proposal.

To this query, the Project Proponent submitted that they had already completed the construction work as per the new layout plan and requested to consider the same.

SEAC observed that the Project Proponent had made the above said changes and constructed swimming pool and club without obtaining prior Environmental Clearance, which is in violation of the provision of EIA notification dated 14.09.2006. After detailed deliberations, SEAC decided to forward the case to SEIAA with recommendations to process the application, as violation case, as per the Notification issued by the MoEF&CC on 14.03.2017 and further amended on 08.03.2018.

Item no. 199.02: Application for Amendment in Environmental Clearance for installation of Neutralizer (Alkali Scrubbers) in our own premises for treatment of waste chlorine/acid vapors at Plot no. 1(A+B+C+D), village Khaduali, Tehsil Rajpura, District Patiala, by M/s Flowtech Chemicals Pvt. Ltd.(Proposal No. SIA/PB/IND2/194570/2021).

1.0 Background :

Earlier, the project proponent was granted Environment Clearance under the EIA notification dated 14.09.2006 vide no. 2511 dated 10.06.2016 for manufacturing of Chlorinated Paraffin 14,560 MTA and Hydrochloric acid 29,120 MTA. Now the project proponent has applied for obtaining amendment in the said Environment Clearance with details as under:

S.N	Particulars	Capacity in MTA (Before Amendment)	Capacity in MTA (After Amendment)
1.	Chlorinated paraffin wax	14560	14560
2.	Hydrochloric Acid	29120	29120
3.	Water Consumption (KLD)	85	85
4.	Sodium Hypo Chlorite	Earlier the neutralization was carried out at SIEL complex.	242 MTA. The project proponent has proposed to set up neutralization at site.

The said amendment has been sought as project proponent has proposed to install neutralizer in its own complex. The project proponent has deposited Rs. 37,400/- as processing fee for the amendment in the Environment Clearance.

2.0 Deliberations during 198th meeting of SEAC held on 05.04.2021

The matter was considered by SEAC in its 198th meeting held on 05.04.2021 and it was attended by Sh. Sital Singh, EIA Coordinator, M/s CPTL E-126,IA, Phase-3, SAS Nagar, on behalf of the Project Proponent.

Sh. Preet Mohinder Singh Bedi, and Sh. Pawan Krishan Garg, Members SEAC raised observation that the industry needs to be visited to study the environmental impact, if any, due to addition of neutralization plant for production of sodium hypo-chlorite.

After detailed deliberations, SEAC decided that Sh. Pawan Krishan Garg, Member SEAC along with Sh. Nikhil Gupta, AEE will visit the site and submit their report in the next meeting of SEAC to be held on 19.04.2021. Accordingly, the industry and the concerned persons were conveyed regarding the decision vide letter no. 3669-71 dated 07.04.2021.

It is brought to the notice of SEAC that Sh. Pawan Krishan Garg, Member SEAC vide e-mail dated 12.04.2021 intimated that his wife was reported Covid-19 Positive and as a

precautionary measures to avoid contact and exposure to other, he was unable to visit the site on said date and time.

3.0 Deliberations during 199th meeting of SEAC held on 23.04.2021

The meeting was attended by the following:

1. Sh. Sital Singh, EIA Coordinator, M/s CPTL on behalf of the Project Proponent.
2. Sh. Bhagwan Hooda, authorized signatory on behalf of the Project Proponent.

SEAC observed that in its last meeting it was decided that Sh. Pawan Krishan Garg, Member SEAC along with Sh. Nikhil Gupta, AEE would visit the site and submit their report in this meeting. However, the said visit could not be carried out as the wife of Sh. Pawan Krishan Garg was reported Covid-19 Positive and Mr. Garg was advised by the Doctor to stay in isolation. Therefore, after detailed deliberations, SEAC asked the Environmental Consultant of the Project Proponent to give presentation on the Environmental Impact due to installation of neutralizer at the site.

Accordingly, the Environmental Consultant of the Project Proponent made detailed presentation. SEAC observed that the primary product of the Project Proponent is Chlorinated Paraffin Wax and during its production excess chlorine gas is being generated from the process. Earlier the said excess gas was sent to the SIEL Chemical Complex for neutralization. The unit of the Project Proponent had to take shut down as and when there was shut down in the SIEL Chemical Complex and the Project Proponent had to face losses. Thus now the Project Proponent has proposed to install individual neutralizer in its own premises for neutralization excess chlorine gas. Due to installation of this neutralizer there will be no impact on the production capacity of the Project Proponent. Due to neutralization, there will be additional production of Sodium Hypo Chlorite @ 248 MTA as bye product which otherwise was being produced in the SIEL Chemical Complex.

After detailed deliberations, SEAC decided to forward the application to SEIAA with recommendations to allow amendment in the Environmental Clearance granted under the EIA notification dated 14.09.2006 vide no. 2511 dated 10.06.2016, as per details given below:

S.N	Particulars	Capacity in MTA (Before Amendment)	Capacity in MTA (After Amendment)
1.	Chlorinated paraffin wax	14560	14560
2.	Hydrochloric Acid	29120	29120
3.	Sodium Hypo Chlorite	Earlier the neutralization was carried out at SIEL complex.	242 MTA. The project proponent has proposed to set up neutralizer at site.

Item no. 199.03: Application amendment in Environmental Clearance for installation of neutralizers (Alkali Scrubbers) in our own premises for treatment of waste chlorine/acid vapors at Plot no. 2(A+B+C+D), village Khaduali, Tehsil Rajpura, District Patiala, by M/s Ajanta Chemicals Industries.(Proposal No. SIA/PB/IND2/196609/2021).

1.0 Background :

Earlier, the project proponent was granted Environment Clearance under the EIA notification dated 14.09.2006 vide no. 2581 dated 10.06.2016 for manufacturing of Chlorinated Paraffin 14,560MTA and Hydrochloric acid 29,120 MTA. Now the project proponent has applied for obtaining amendment in the said Environment Clearance with details as under:

S.N.	Particulars	Capacity in MTA (Before Amendment)	Capacity in MTA (After Amendment)
1.	Chlorinated paraffin wax	14560	14560
2.	Hydrochloric Acid	29120	29120
3.	Water Consumption (KLD)	86	86
4.	Sodium Hypo Chlorite	Earlier the neutralization was carried out at SIEL complex.	242 MTA. The project proponent has proposed to set up neutralization at site.

The said amendment has been sought as project proponent has proposed to install neutralizer in its own complex. The project proponent has deposited Rs. 29,100/- as processing fee for the amendment in the Environment Clearance.

2.0 Deliberations during 198th meeting of SEAC held on 05.04.2021

The matter was considered by SEAC in its 198th meeting held on 05.04.2021 and it was attended by Sh. Narender Sharma, on behalf of Project Proponent and Sh. Sital Singh, EIA Coordinator, M/s CPTL, SAS Nagar, on behalf of the Project Proponent.

Sh. Preet Mohinder Singh Bedi, and Sh. Pawan Krishan Garg, Members SEAC raised observation that the industry needs to be visited to study the environmental impact, if any, due to addition of neutralization plant for production of sodium hypo-chlorite.

After detailed deliberations, SEAC decided that Sh. Pawan Krishan Garg, Member SEAC along with Sh. Nikhil Gupta, AEE will visit the site and submit their report in the next meeting of SEAC to be held on 19.04.2021. Accordingly, the industry and the concerned persons were conveyed regarding the decision vide letter no. 3672-74 dated 07.04.2021.

It is brought to the notice of SEAC that Sh. Pawan Krishan Garg, Member SEAC vide e-mail dated 12.04.2021 intimated that his wife was reported Covid-19 Positive and as a precautionary measures to avoid contact and exposure to other, he was unable to visit the site on said date and time.

Thus, no visit could be carried out as per the decision of the SEAC.

3.0 Deliberations during 199th meeting of SEAC held on 23.04.2021

The meeting was attended by the following:

1. Sh. Sital Singh, EIA Coordinator, M/s CPTL on behalf of the Project Proponent.
2. Sh. Bhagwan Hooda, authorized signatory on behalf of the Project Proponent.

SEAC observed that in its last meeting it was decided that Sh. Pawan Krishan Garg, Member SEAC along with Sh. Nikhil Gupta, AEE would visit the site and submit their report in this meeting. However, the said visit could not be carried out as the wife of Sh. Pawan Krishan Garg was reported Covid-19 Positive and Mr. Garg was advised by the Doctor to stay in isolation. Therefore, after detailed deliberations, SEAC asked the Environmental Consultant of the Project Proponent to give presentation on the Environmental Impact due to installation of neutralizer at the site.

Accordingly, the Environmental Consultant of the Project Proponent made detailed presentation. SEAC observed that the primary product of the Project Proponent is Chlorinated Paraffin Wax and during its production excess chlorine gas is being generated from the process. Earlier the said excess gas was sent to the SIEL Chemical Complex for neutralization. The unit of the Project Proponent had to take shut down as and when there was shut down in the SIEL Chemical Complex and the Project Proponent had to face losses. Thus now the Project Proponent has proposed to install individual neutralizer in its own premises for neutralization excess chlorine gas. Due to installation of this neutralizer there will be no impact on the production capacity of the Project Proponent. Due to neutralization, there will be additional production of Sodium Hypo Chlorite @ 248 MTA as bye product which otherwise was being produced in the SIEL Chemical Complex.

After detailed deliberations, SEAC decided to forward the application to SEIAA with recommendations to allow amendment in the Environmental Clearance granted under the EIA notification dated 14.09.2006 vide no. 2511 dated 10.06.2016, as per details given below:

S.N	Particulars	Capacity in MTA (Before Amendment)	Capacity in MTA (After Amendment)
1.	Chlorinated paraffin wax	14560	14560
2.	Hydrochloric Acid	29120	29120
3.	Sodium Hypo Chlorite	Earlier the neutralization was carried out at SIEL complex.	242 MTA. The project proponent has proposed to set up neutralizer at site.

Item No. 199.04 Application for issuance of TORs for Steel Manufacturing Unit namely M/s Madhav KRG HRC Pvt. Ltd. (MKHPL) with production capacity of the proposed unit will be 0.95 Million tonnes per annum (or 9,50,000 TPA) of Hot Rolled Coil (HRC) by installation of 4 no's Induction Furnaces of capacity 50 TPH each, rolling mill and reheating furnace of capacity 150 TPH at Village Akalgarh & Bhagwanpura, Amloh-Bhadson Road, Near Toll Plaza, Tehsil Nabha & Amloh, Distt. Patiala & Fatehgarh Sahib, Punjab Fatehgarh Sahib, Punjab. (Proposal No. SIA/PB/IND/61014/2021).

1.0 Background

The project proponent has applied for issuance of TORs for Steel Manufacturing Unit namely M/s Madhav KRG HRC Pvt. Ltd. (MKHPL) with production capacity of the proposed unit as 9,50,000 tonnes per annum of Hot Rolled Coil (HRC) by installing 4 No. Induction Furnaces of 50 TPH capacity each, Rolling Mill and Reheating Furnace of capacity 150 TPH at Village Akalgarh & Bhagwanpura, Amloh-Bhadson Road, Near Toll Plaza, Tehsil Nabha & Amloh, Distt. Patiala & Fatehgarh Sahib, Punjab Fatehgarh Sahib, Punjab Project is covered under Activity 3(a) & Category 'B1' as per EIA notification-2006.

1. The project proponent submitted the Form I, Pre-feasibility report and other additional documents on online portal and has deposited requisite fee of Rs. 10,27,500/- (25% of the total fee) through NEFT in the account of PSCST on 31.03.2021. The balance fee i.e. Rs. 30,78,200/- (75% of the total fee) will be paid at the time of applying for Environmental Clearance.
2. The project proponent during the presentation to the committee be ask to present the applicability of General Condition, suitability of site, land details etc.
3. The Environmental Engineer PPCB, RO Fatehgarh Sahib was requested vide e-mail dated 25.03.2021 to send the latest construction status report and the said report is awaited.

2.0 Deliberations during 198th meeting of SEAC held on 05.04.2021

The case was considered by SEAC in its 198th meeting held on 05.04.2021 and it was observed that the status report has not been received from Punjab Pollution Control Board.

After detailed deliberations, SEAC decided to defer the case and place in the next meeting only after obtaining the latest status report from the Punjab Pollution Control Board.

3.0 Deliberations during 199th meeting of SEAC held on 23.04.2021

The meeting was attended by following:

1. Sh. Sandeep Garg, Director, M/s Eco Laboratories Pvt Ltd.
2. Mr. Sunil Kumar, Dy. Manager Legal & Regulatory Affairs, on behalf of the Project Proponent.

SEAC was apprised that the Punjab Pollution Control Board vide letter no. 1585 dated 15.04.2021 had sent the latest construction status report of the site. The said report was placed before the committee and the SEAC observed that the industry has not started any construction activity at the site. Also, the site is suitable for the proposed project subject to the condition that industry shall be bound to comply with the provisions of the Punjab Regional and Town Planning and Development Act, 1995. Further, the industry may be asked to get land use classification from the Department of Town and Country Planning before starting any activity at the site.

SEAC allowed the Environmental Consultant of the Project Proponent to give presentation and he gave presentation as under:

S. N	Item	Details
1.	Project/ activity covered under item of scheduled to the EIA Notification, 14.09.2006	The project falls under S. No. 3(a): Metallurgical Industries (ferrous & non ferrous).
2.	Whether the project is in critical polluted area or not.	No, the project does not fall in critical polluted area.
3.	If the project involves diversion of forest land. If yes, a) Extent of the forest land. b) Status of the forest clearance.	Yes, project does involve diversion of forest land. NOC will be obtained from Forest Department.
4.	a) Is the project covered under PLPA, 1900, if No but located near to PLPA area then the project proponent is required to submit NOC from the concerned DFO to the effect that project area does not fall under the provision of PLPA Act, 1900. b) Is the project covered under PLPA, 1900, if yes then Status of the NOC. w.r.t PLPA, 1900.	Project is not covered under PLPA 1900 as well as not located near to PLPA area. Not applicable.
5.	If the project falls within 10 km of eco-sensitive area/ National	Yes.

<table>
<tr><td></td><td>park/ Wild Life Sanctuary. If yes,
a. Name of eco-sensitive area/ National park/ Wild Life Sanctuary and distance from the project site.
b. Status of clearance from National Board for Wild Life (NBWL).</td><td>a. Bir Bhadson Wildlife Sanctuary is located at a distance of approx. 3.5 km in SW direction from the project site.
b. The extent of Eco-Sensitive Zone is upto 100 meters from the boundary of the Bir Bhadson Wildlife Sanctuary. Thus, the project site falls outside of the Eco-sensitive zone. So, no NBWL permission is required..</td></tr>
<tr><td>6.</td><td>Classification/ Land use pattern as per Master Plan</td><td>The project site falls outside of the Master plan of Mandi Gobindgarh, 2010-2031. The proposed industrial unit will be set up on the agricultural land after obtaining change in landuse to industrial use. In this regard, change of landuse will be obtained from Dept. of Town & Country planning, Punjab.</td></tr>
<tr><td>7.</td><td>Cost of the project</td><td>Rs. 410.57 Crores.</td></tr>
<tr><td>8.</td><td>Total Plot area, Built-up area and Green area</td><td>For new projects:
The details are given below:
<table>
<tr><th>S. No.</th><th>Description</th><th>Area (in sq.m.)</th></tr>
<tr><td>1.</td><td>Land</td><td>1,09,629.34</td></tr>
<tr><td>2.</td><td>Total shed covered area</td><td>46,782</td></tr>
<tr><td>3.</td><td>Green Area</td><td>16,521.46</td></tr>
</table></td></tr>
<tr><td>9.</td><td>Water Requirements & source in Construction Phase</td><td>During construction period, a water demand of 5 KLD may be there. This will include domestic demand for 50 workers during peak period @ 3 KLD.</td></tr>
<tr><td>10.</td><td>Treatment & Disposal arrangements of wastewater in Construction Phase</td><td>Septic Tank of capacity 5 KLD.</td></tr>
</table>

SEAC took the copy of the presentation on record.

3.0 Recommendations

After detailed deliberations, it was decided to categorize the project under Activity 3(a); B-1 with public consultation as required for the project. The baseline study shall be carried out by Environmental Consultant for one-month additional study with effect from date of application of ToRs (except monsoon season), which shall include at least five days of traffic study. The Committee approved the Terms of Reference for Steel Manufacturing Unit namely M/s Madhav KRG HRC Pvt. Ltd. (MKHPL) with production capacity of the proposed unit as 9,50,000 tonnes per annum of Hot Rolled Coil (HRC) by installing 4 No.

Induction Furnaces of capacity 50 TPH each, Rolling Mill and Reheating Furnace of capacity 150 TPH at Village Akalgarh & Bhagwanpura, Amloh-Bhadson Road, Near Toll Plaza, Tehsil Nabha & Amloh, Distt. Patiala & Fatehgarh Sahib, Punjab Fatehgarh Sahib, Punjab for preparing Environmental Impact Assessment (EIA) report for the proposed project and recommended to SEIAA to issue the following TORs:

STANDARD TERMS OF REFERENCE

1) Executive Summary

Report in about 8-10 pages incorporating the following:

(i) Project name and location (Village, Distt., State, Industrial Estate (if applicable)

(ii) Products and capacities. If expansion proposal, then existing products with capacities and reference to earlier EC.

(iii) Requirement of land, raw material, water, power, fuel, with source of supply (Quantitative)

(iv) Process description in brief, specifically indicating the gaseous emission, liquid effluent and solid and hazardous wastes.

(v) Measures for mitigating the impact on the environment and mode of discharge or disposal.

(vi) Capital cost of the project, estimated time of completion

(vii) Site selected for the project - Nature of land - Agricultural (single/double crop), barren, Govt./private land, status of is acquisition, nearby (in 2-3 km.) water body, population, within 10 km other industries, forest, eco-sensitive zones, accessibility, (note - in case of industrial estate this information may not be necessary)

(viii) Baseline environmental data - air quality, surface and groundwater quality, soil characteristic, flora and fauna, socio-economic condition of the nearby population Identification of hazards in handling, processing and storage of hazardous material and safety system provided to mitigate the risk.

(ix) Identification of hazards in handling, processing and storage of hazardous material and safety system provided to mitigate the risk

(x) Likely impact of the project on air, water, land, flora-fauna and nearby population

(xi) Emergency preparedness plan in case of natural or in plant emergencies

(xii) Issues raised during public hearing (if applicable) and response given

(xiii) CSR/CER plan with proposed expenditure.

(xiv) Occupational Health Measures

(xv) Post Project monitoring plan

(xvi) Synopsis of the project (as available on web site i.e. www.pbdecc.gov.in)

2) Introduction

(i) Details of the EIA Consultant including NABET accreditation

(ii) Information about the project proponent

(iii) Importance and benefits of the project

3) Project Description

(i) Cost of project and time of completion.

(ii) Products with capacities for the proposed project.

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

(iv) List of raw materials required and their source along with mode of transportation.

(v) Other chemicals and materials required with quantities and storage capacities.

(vi) Details of Emission, effluents, hazardous waste generation and their management.

(vii) Requirement of water (breakup for induction and rolling mill), power, with source of supply, status of approval, water balance diagram, man-power requirement (regular and contract).

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

(ix) Hazard identification and details of proposed safety systems.

(x) In case of Expansion/modernization proposals:

a) Status of compliance of Consent to Operate for the ongoing /existing operation of the project from SPCB shall be attached with the EIA-EMP report.

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

4) Site Details

(i) Location of the project site covering village, Taluka / Tehsil, District and State, Justification for selecting the site, whether other sites were considered. Copy of Master Plan indicating a land use pattern of the site is in conformity of proposals of Master Plan shall be attached with EIA report.

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

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

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

(v) Google map-Earth downloaded of the project site

(vi) Layout maps indicating existing unit as well as proposed unit indicating storage area of raw material, finished products, greenbelt area with marking of tree, Location of STP/ETP, Solid waste storage area, Parking space, Firefighting equipment layout, First aid room, Location of Tube wells, DG Sets & Transformers and any other utilities

(vii) If located within an Industrial area/Estate/Complex, layout of Industrial Area indicating location of unit within the Industrial area/Estate.

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

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

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

(xi) Geological features and Geo-hydrological status of the study area shall be included.

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

(xiii) Status of acquisition of land. lf acquisition is not complete, stage of the acquisition process and expected time of complete possession of the land.

(xiv) R&R details in respect of land in line with state Government policy

5) Forest and wildlife related issues (if applicable):

(i) Permission and approval for the use of forest land (forestry clearance), if any, and recommendations of the State Forest Department. (if applicable).

(ii) Land use map based on High resolution satellite imagery (OPS) of the proposed site delineating the forestland (in case of projects involving forest land more than 40 ha).

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

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

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

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

6) Environmental Status

(i) Determination of atmospheric inversion level at the project site and site specific micro-meteorological data using temperature, relative humidity, hourly wind speed and direction and rainfall.

(ii) AAQ data (except monsoon) at 8 locations for PM 10, PM2.5, S02, NOX, CO and other parameters relevant to the project shall be collected. The monitoring stations shall be based CPCB guidelines and take into account the pre dominant wind direction, population zone and sensitive receptors including reserved forests.

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

(iv) Surface water quality of nearby River (100m upstream and downstream) and other surface drains at eight locations as per CPCB/MoEF& CC guidelines.

(v) Whether the site falls near to polluted stretch of river identified by the CPCB/MoEF& CC.

(vi) Groundwater monitoring at minimum at 8 locations shall be included.

(vii) Noise levels monitoring at 8 locations within the study area.

(viii) Soil Characteristic as per CPCB guidelines.

(ix) Traffic feasibility / serviceability study for at least 5 days based on Indian Standard Codes. Further it shall also include the details of cross section of the road on which industry is located, vehicles movement w.r.t. the industry, traffic load of other vehicles on the road incorporating the haulage time for the vehicles for loading/unloading within the premises and parking requirement to avoid the traffic congestions on the link and adjoining roads. Traffic study shall be conducted considering the traffic of the industries located in the vicinity.

(x) Detailed description of flora and fauna (terrestrial and aquatic) existing in the study area shall be given with special reference to rare, endemic and endangered species. If Schedule-I fauna are found within the study area, a Wildlife Conservation Plan shall be prepared and furnished.

(xi) Socio-economic status of the study area.

7) Impact Assessment and Environment Management Plan

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

(ii) Water Quality modelling.

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

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

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

(vi) Measures for fugitive emission control

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

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

(ix) Action plan for the green belt development in 33 % area with not less than 1,500 trees per hectares giving details of species, width of plantation, planting schedule, post plantation maintenance plan for 3 years shall be included. The green belt shall be around the boundary and a scheme for greening of the roads used for the project shall also be incorporated

(x) Action plan for rainwater harvesting measures at alternative sites shall be submitted to harvest rainwater from the roof tops and storm water drains to recharge the groundwater and also to use for the various activities to conserve freshwater and reduce the water requirement from other sources.

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

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

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

8) Occupational health

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

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

(iii) Annual report of the health status of workers with special reference to Occupational Health and Safety.

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

9) Corporate Environment Policy

(i) Does the company have a well laid down Environment Policy approved by its Board of Directors? If so, it may be detailed in the EIA report.

(ii) Does the Environment Policy prescribe for standard operating processes/procedures to bring into focus any infringement/deviation/violation of the environmental or forest norms/conditions? If so, it may be detailed in the EIA.

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

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

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

11) Enterprise Social Commitment (ESC)

(i) To address the Public Hearing issues, 2.5% of the total project cost of (Rs.___crores), amounting to Rs.___crores, shall be earmarked by the project proponent, towards Enterprise Social Commitment (ESC). Distinct ESC projects shall be carved out based on the local public hearing issues. Project estimate shall be prepared based on PWD schedule of rates for each distinct Item and schedule for time-bound action plan shall be prepared. These ESC projects as indicated by the project proponent shall be implemented along with the main project. Implementation of such program shall be ensured by constituting a Committee comprising of the project proponent, representatives of village Panchayat & District Administration. Action taken report in this regard shall be submitted to the Ministry's Regional Office. No free distribution/donations and or free camps shall be included in the above ESC budget

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

13) A tabular chart with index for points wise compliance of above TORs.

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

(i) Details of proposed layout clearly demarcating existing & proposed features of the project within the plant.

(ii) Total no. of furnaces & details including capacity of each furnace.

(iii) Detail of the mechanical shredder to reduce the size of the raw material.

(iv) Complete process flow diagram describing each unit, its processes, and operations, along with material and energy inputs and outputs (material and energy balance).

(v) Details on the design and manufacturing process for all the units.

(vi) Details on environmentally sound technologies for recycling of hazardous materials, as per CPCB Guidelines, may be mentioned in case of handling scrap and other ·recycled materials.

(vii) Details on the requirement of raw materials, its source, and storage at the plant.

(viii) Details on the requirement of energy and water along with its source and authorization from the concerned department. Location of water intake and outfall points (with coordinates).

(ix) Details on toxic metal content in the waste material and its composition and end-use (particularly of slag).

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

C. ADDITIONAL SPECIFIC TORS DECIDED DURING MEETING OF SEAC

1. Public consultation is required for the projects as not located in notified industrial parks/estates.

2. Submit proof of ownership of land (existing owner) such as copy of latest Jamabandi (not more than one month old) and credible document showing status of land acquisition w.r.t. project site as prescribed in OM dated 07.10.2014 issued by MoEF)

3. Submit dully filled prescribed field data sheets and analysis reports along with exact location of sampling / monitoring point marked on the layout map. Also submit the status of approvals of Laboratories.

4. Submit cost of the project duly certified by Chartered Engineer/ Approved valuer / Chartered Accountant. In the absence of above, the project proponent may submit self-certified detail of cost of the project mentioning the cost of Land, building, infrastructure and plant & machinery

5. Certificate from the concerned authority w.r.t the location of protected areas as notified under the Wildlife Protection Act, 1972 within 5 km radius from the boundary of the project site.

(i) Certificate from the Department of Town & Country Planning or concerned authorities to support the claim made by project proponent that the project site is located in the industrial zone as per the provisions of Master Plan of Town/City in the jurisdiction of which the project site is located or the project proponent shall submit the Change of land use of the project site for total land area.

6. Compliance of the siting criteria, standard operating practices, code of practice, and guidelines if any prescribed by the SPCB/CPCB/MoEF&CC for such type of units.

7. Necessary permissions from the Central Groundwater Authority (CGWA)/ State Groundwater Authority (SGWA)/concerned authority for the abstraction of groundwater for the existing requirements as well as for the expanded unit. In case of not allowing such permission by the concerned authority for the abstraction of additional groundwater for the expanded project, the project proponent shall propose alternative arrangements to meet out the additional water requirements. It shall be ensured that: -

    a) In the projects where groundwater is proposed as a water source, the project proponent shall apply to the Central Groundwater Authority (CGWA)/ State Groundwater Authority (SGWA), as the case may be, for obtaining No Objection Certificate (NOC) if applicable.

    b) Approval /permission of the CGWA/SGWA shall be obtained before drawing groundwater for the project activities.

    c) In the absence of approval, submit a copy of acknowledgment along with a set of application filed to CGWA /Competent Authority for obtaining permission for the abstraction of groundwater

8. Minimize the water consumption in the steel plant complex by segregation of used water, practicing cascade use and by recycling treated water.

9. STP for treatment of wastewater & re-utilization of the treated water for core/non-core activities so as to achieve the Zero Liquid Discharge Condition as per the III (iv) of OM dated 09/08/2018 issued by the MoEF&CC for such units.

10. Reuse of cooling tower blow down, simultaneously ensuring the standards prescribed for such purge waters. If required, necessary arrangements shall be made to keep this waste stream within the parameters required for reuse.

11. In case of any acid pickling activity, the spent acid/effluents generated from such activities shall be utilized through authorized re-processors for converting

the same into useful by-products like $FeSO_4$ etc. An agreement to this effect shall be made with the authorized agencies.

12. Adequate area to be reserved and marked on the layout plan for the green belt as per the conditions laid down by the MoEF&CC as per the Standard EC Conditions prescribed for Induction/ Electric Arc Furnace & Rolling Mills circulated vide OM dated 09/08/2018.

13. Detailed study report along with calculation for reserving land for loading or unloading of raw material, products, slag, hazardous waste as well as for storage of these materials and the area to be reserved for parking incorporating the time required for loading and unloading of vehicles for respective activities and minimum/maximum period for which storage of the above material is required in the premises. The areas for the respective activities to be marked on the layout plan.

14. Action plan for the compliance of standard operating procedures and up-gradation of suction and treatment arrangement for the secondary emissions as prescribed by the State Pollution Control Board or by CPCB/MoEF&CC.

15. Compliance of standard operating procedures and up-gradation of suction/treatment systems for the control of secondary emissions within the time frame prescribed by the State Pollution Control Board. Similar action is to be implemented in the proposed expansion project.

16. Whole of the vehicle movement area as well as the approach road to the gate /weighing bridge shall be paved with pucca/metalled / cement concrete road to control the dust emissions expected from the vehicle movement.

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

18. Adopt green technologies to conserve the water and energy including shearing/cutting / bundling machines. Also, to provide abrasive resistant fire bricks in the crucibles to reduce the periodic maintenance & disposal of discarded fire bricks.

19. Use of natural gas (if available) as substitute fuel wherever possible in the existing industry/ for the expansion project.

20. Submit compliance w.r.t. condition no.II [(i) & (iii)] subtitled as "Air Quality Monitoring & Preservation" regarding continuous emission monitoring system and continuous ambient air quality monitoring as prescribed in the Standard EC Conditions for Induction/ Electric Arc Furnace & Rolling Mills issued by the MoEF&CC, New Delhi vide OM dated 09/08/2018.

21. Examine and submit the proposal for: -

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

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

c) Recovery of precious metals like Zinc, lead and iron etc. from the APCD dust (Hazardous waste) through authorized re-processor.

22. Air Pollution Control Arrangement details shall be provided as below:

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

23. Submit compliance regarding the installation of Pulse jet bag filter with offline cleaning technology as APCD with the proposed induction furnace.

24. List the species with heavy foliage, broad leaves and wide canopy cover. The landscape planning should include plantation of native species. Water intensive and/or invasive species should not be used for landscaping

The following general points shall be noted:

(i) The EIA document shall be printed on both sides, as for as possible.

(ii) All documents shall be properly indexed, page numbered.

(iii) Period/date of data collection shall be clearly indicated.

(iv) The letter/application for environmental clearance shall quote the MOEF / SEIAA file No. and also attach a copy of the letter.

(v) The copy of the letter received from the Ministry / SEIAA shall be also attached as an annexure to the final EIA-EMP Report.

(vi) The index of the final EIA-EMP report must indicate the specific chapter and page no. of the EIA-EMP Report.

(vii) While preparing the EIA report, the instructions for the proponents and instructions for the consultants issued by MOEF vide notification dated 03.03.2016 which is available on the website of this Ministry shall also be followed.

(viii) The consultants involved in the preparation of EIA-EMP report after accreditation with Quality Council of India (QCI) /National Accreditation Board

of Education and Training (NABET) would need to include a certificate in this regard in the EIA-EMP reports prepared by them and data provided by other organization/Laboratories including their status of approvals etc. Name of the Consultant and the Accreditation details shall be posted on the EIA-EMP Report as well as on the cover of the Hard Copy of the Presentation material for EC presentation.

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

Where the documents provided are in a language other than English, an English translation shall be provided. The draft EIA-EMP report shall be submitted to the State Pollution Control Board of the concerned State for the conduct of Public Hearing. The SPCB shall conduct the Public Hearing/public consultation, district-wise, as per the provisions of EIA notification,2006. The Public Hearing shall be chaired by an Officer, not below the rank of Additional District Magistrate. The issues raised in the Public Hearing and during the consultation process and the commitments made by the project proponent on the same shall be included separately in EIA-EMP Report in a separate chapter and summarized in a tabular chart with financial budget (capital and revenue) along with time-schedule of implementation for complying with the commitments made.

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

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

Item no. 199.05: Application for Environmental Clearance under EIA notification dated 14.09.2006 for the establishment of commercial project namely "Mohali Citi Centre" located at Block-F, Aerocity, Mohali, SAS Nagar (Punjab) by M/s KLG Jewellers (SIA/PB/MIS/201862/2021).

The project proponent has filed an application for obtaining Environment Clearance under EIA notification, 2006 for establishment of residential project namely "Mohali Citi Centre" located at **Block-F, Aerocity, Mohali, SAS Nagar (Punjab)** with proposed built up area as 52920.484 sq.m. Project is covered under Activity 8(a) & Category 'B2' as per EIA notification-2006.

The project proponent submitted the Form I, 1A and other additional documents. They have also deposited the processing fee amounting to Rs. 1,05,864.16 has been paid vide through NEFT. PPCB was requested to send the latest construction status report of the project through e-mail on 25.03.2021.

1.0 Deliberations during 198th meeting of SEAC held on 05.04.2021

The meeting was attended by the following:

1. Sh. Kashish Goyal, Director.
2. Ms. Priyanka Madan, EIA Coordinator, M/s Eco Laboratories and Consultants Pvt. Ltd.

SEAC was apprised that the status report from Punjab Pollution Control Board was received through e-mail on 05.04.2021. The Committee Members observed that since the report of PPCB was received on the day of the meeting and they would like to go through the contents of the report before considering the said case and requested to defer the case for the next meeting.

After detailed deliberations, SEAC decided to defer the case till the next meeting.
The report sent by Punjab Pollution Control Board vide letter no. 1776 dated 05.04.2021.

2.0 Deliberations during 199th meeting of SEAC held on 23.04.2021

The meeting was attended by the following:

1. Sh. Kashish Goyal, Director.

2. Sh. Sandeep Garg, Director, M/s Eco Laboratories Pvt Ltd.

SEAC observed that as per the report sent by the Punjab Pollution Control Board vide letter no. 1776 dated 05.04.2021 the Project Proponent did not start any construction activity at the site. The site was confirming to the siting guidelines laid down by the Govt. Punjab, Department of Science Technology and Environment vide order dated 25.07.2008 as amended on 30.10.2009.

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

S. No.	Description	Details
2.	Project/activity covered under item of scheduled to the EIA Notification, 14.09.2006	The project falls under Schedule 8(a) - `Building & Construction Project' Category B as the built-up area of project is 52,920.484 sq. m.
3.	Copy of the Master plan duly marked with the project site	GMADA has allotted 4 acres of land for development of commercial project vide letter no. 5334 dated 29.01.2021.
4.	Proof of ownership of land mentioning Khasra no. & ownership details (Latest Jamabandi or Registry)	GMADA has allotted 4 acres of land for development of commercial project vide letter no. 5334 dated 29.01.2021.
6.	Whether the proposal involves approval/clearance under the Forest (Conservation) Act,1980	No. GMADA has allotted land for development of commercial project.
7.	Does the project cover under PLPA, 1900	No. GMADA has allotted land for development of commercial project.
8.	If the project falls within 10 km of eco-sensitive area/ National park/ Wild Life Sanctuary. If yes, a. Name of eco-sensitive area/ National park/ Wild Life Sanctuary and distance from the project	No, Eco-sensitive area/ National park/ Wild Life Sanctuary falls within 10 km of the project site.

<table>
<tr><td></td><td>site.

b. Status of clearance from the National Board for Wild Life (NBWL).</td><td></td></tr>
<tr><td>9.</td><td>Cost of the project</td><td>The estimated project cost is Rs. 206.00 Crores including land and development.</td></tr>
<tr><td>10.</td><td>Processing Fee details (Amount/NEFT no./dated)</td><td>Processing fees for Environmental Clearance application has been calculated @ Rs. 2 / sq. m. of total built up area.
Thus, Rs. 1,05,864.16 has been paid vide UTR No. SBIN121062755104-874133 dated 03.03.2021.</td></tr>
<tr><td>11.</td><td colspan="2">Detail of various components
<table>
<tr><th>S.no.</th><th>Description</th><th>Particulars</th><th>Unit</th></tr>
<tr><td>1.</td><td>Plot Area (4 acres)</td><td>16,187.29</td><td>sq. m.</td></tr>
<tr><td>2.</td><td>Built-up Area</td><td>52,920.484 sq. m.</td><td>sq. m.</td></tr>
</table></td></tr>
<tr><td>12.</td><td colspan="2">Breakup of Water Requirements & source in Operation Phase (Summer, Rainy, Winter):
<table>
<tr><th rowspan="2">S.No</th><th rowspan="2">Season</th><th colspan="2">Freshwater</th><th colspan="4">Reuse water</th><th rowspan="2">Total (KLD)</th></tr>
<tr><th>Domestic (KLD)</th><th>Others (KLD)</th><th>Flushing (KLD)</th><th>Green area (KLD)</th><th>HVAC (KLD)</th><th>Sewer (KLD)</th></tr>
<tr><td>1.</td><td>Summer</td><td>205</td><td>-</td><td>164</td><td>2</td><td>-</td><td>123</td><td>369</td></tr>
<tr><td>2.</td><td>Winter</td><td>205</td><td>-</td><td>164</td><td>1</td><td>-</td><td>124</td><td>369</td></tr>
<tr><td>3.</td><td>Rainy</td><td>205</td><td>-</td><td>164</td><td>0.5</td><td>-</td><td>124.5</td><td>369</td></tr>
</table>
<table>
<tr><th>S.No.</th><th>Description</th><th>Source of water</th></tr>
<tr><td>1.</td><td>Domestic</td><td>GMADA supply</td></tr>
<tr><td>2.</td><td>Flushing purposes</td><td>Treated water</td></tr>
<tr><td>3.</td><td>Green area</td><td>Treated water</td></tr>
</table></td></tr>
<tr><td>13.</td><td>Details of acknowledgement of application filed to CGWA/ Competent Authority for</td><td>The source of water during operation phase will be from GMADA. Thus, there is no need of obtaining permission for bore wells.</td></tr>
</table>

<table>
<tr><td></td><td>obtaining permission for abstraction of ground water.</td><td></td></tr>
<tr><td>14.</td><td>Specify block of project site as per CGWA norms (Notified/ Non Notified)</td><td>The project falls under non-notified & over-exploited zone.
However, as per the latest Notification, CGWA is not processing the ground water application for Punjab state.
Punjab Water Regulation and Development Authority (PWRDA) deals with permission for abstraction of ground water. Thus, the project site falls in Kharar block of Distt. S.A.S. Nagar which is over-exploited and falls in yellow category as per the block wise ground water resources category and status by Punjab Guidelines for Groundwater Extraction and Conservation, 2020.</td></tr>
<tr><td>15.</td><td>Details of Wastewater generation, Treatment facility & its Disposal arrangements in Construction Phase</td><td>During Construction Phase, wastewater generation will be treated in septic tank.</td></tr>
<tr><td>16.</td><td>Details of Wastewater generation, Treatment facility & its Disposal arrangements in Operation Phase and if wastewater being disposed in MC sewer then also mention the details of NOC from competent authority</td><td>During Operation Phase, the wastewater generation will be 295 KLD which will be treated in proposed STP of 330 KLD capacity based on MBBR technology followed by UF treatment.
The details of the breakup of the utilization of treated wastewater is as under: -
<table>
<tr><th>Season</th><th>Flushing (KLD)</th><th>Green area (KLD)</th><th>HVAC (KLD)</th><th>GMADA Sewer (KLD)</th></tr>
<tr><td>Summer</td><td>164</td><td>2</td><td>-</td><td>123</td></tr>
<tr><td>Winter</td><td>164</td><td>1</td><td>-</td><td>124</td></tr>
<tr><td>Monsoon</td><td>164</td><td>0.5</td><td>-</td><td>124.5</td></tr>
</table></td></tr>
<tr><td>17.</td><td>Details of Rainwater</td><td>Total 4 no. of Rain water recharging pits are being</td></tr>
</table>

<table>
<tr><td></td><td>recharging/ Harvesting (m^3/hr) proposal & technology proposed to be adopted</td><td>proposed for rain water recharging within the project premises.</td></tr>
<tr><td>18.</td><td>Details of Solid waste generation (Qty), treatment facility and its disposal arrangement</td><td>a) 1642 kg/day
b) The solid waste shall be duly segregated into biodegradable, non-biodegradable and non-hazardous waste components as per SWM Rules, 2016.</td></tr>
<tr><td>19.</td><td>Detail of DG sets</td><td>Total 1 no. of DG set of capacity 500 kVA have been proposed for power back up.</td></tr>
<tr><td>20.</td><td>Energy Requirements & Saving</td><td>4,941 KW from Punjab State Power Corporation Limited (PSPCL).
Energy Saving measures:
Also, solar panels have been proposed on the roof top of the building. The total area covered by solar panels is 1430 m2 (which is 30% of roof top area i.e. 4,085.50 m2) which will generate 116.4 KW of power generation.</td></tr>
<tr><td>21.</td><td>Details of Environmental Management Plan</td><td>
<table>
<tr><th>S. No</th><th>Environmental Protection Measures</th><th>Capital Cost Rs. Lakh</th><th>Recurring Cost Rs. Lakh</th></tr>
<tr><td>1.</td><td>Construction</td><td>215</td><td>11</td></tr>
<tr><td>2.</td><td>Operation</td><td>-</td><td>12</td></tr>
</table>
</td></tr>
<tr><td>22.</td><td>Details of green belt development shall include following:
a) No. of tree to be planted against the requisite norms.

b) Percentage of the area to be developed.</td><td>a) No. of trees required = 1 Tree per 80 sq.m. of plot area = 16,187.29/ 80 = 202 trees
No. of trees proposed = 210 trees

b) Green Area proposed = 323 sq. m</td></tr>
</table>

SEAC raised following observations to the Project Proponent.

Sr.no.	Observation raised by SEAC	Reply of the Project Proponent
1.	As per the condition of the MoEF&CC, the Project Proponent has to provide one rainwater harvesting pit for every 5000 Sqm. of built up area. Accordingly the Project Proponent has to provide 10 rainwater harvesting pits.	The Project Proponent agreed to provide the same.
2.	The Project Proponent shall submit the standards of treated wastewater which will be utilized for flushing.	Submitted
3.	The Project Proponent has shown 210 no. of trees in its proposal in an area of 323 Sqm. Whether, there is any other green area except the area on which trees have been planted.	The total green area has been dedicated only for the tree plantation.

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

3.0 Recommendations:

After detailed deliberations, SEAC decided to award 'Silver Grading' to the project proposal and to forward the application of the project proponent to SEIAA with the recommendations to grant Environmental Clearance for the establishment of commercial project namely "Mohali Citi Centre" located at Block-F, Aerocity, Mohali, SAS Nagar (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 all necessary clearance/ permission from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.

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

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

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

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

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

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

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

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

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

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

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

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

II. Air quality monitoring and preservation

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

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

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

iv) Diesel power generating sets proposed as source of backup power should be of enclosed type and conform to rules made under the Environment

(Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use of low sulphur diesel. The location of the DG sets may be decided with in consultation with State Pollution Control Board.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

III. Water quality monitoring and preservation

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

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

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

iv) The total water requirement for the project will be 369 KL/day, out of which fresh water demand of 205 KL /day shall be met through groundwater and remaining 164 KL/day through recycling of treated waste water from their own STP. Total fresh water use shall not exceed the proposed requirement as provided in the project details.

iv) a)The total wastewater generation from the project will be 295 KL/day, which will be treated in STP to be installed within the project premises. As proposed, reuse of treated wastewater shall be as under:-

Sr. No.	Season	For Flushing purposes (KLD)	Green Area (KLD)	GMADA Sewer KLD
1.	Summer	164	2	123
2.	Winter	164	1	124
3.	Rainy	164	0.5	124.5

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

c) During construction phase, the project proponent shall ensure that the wastewater being generated from the labour quarters/toilets shall be treated and disposed in environment friendly manner. The project proponent shall also exercise the option of modular bio-toilets or will provide proper and adequately design septic tanks for the treatment of such waste water and treated effluents shall be utilized for green area/plantation.

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

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

viii) A certificate shall be obtained from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed, the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately

for ground water and surface water sources, ensuring that there is no impact on other users.

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

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

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

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

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

Sr. No	Nature of the Stream	Color code
a)	Fresh water	Blue
b)	Untreated wastewater from Toilets/ urinal & from Kitchen	Black
c)	Untreated wastewater from Bathing/shower area, hand washing (Washbasin / sinks) and from Cloth Washing	Grey

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

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

xv) The CGWA provisions on rain water harvesting should be followed. A rain water harvesting plan needs to be designed where the recharge bores of minimum one recharge bore per 5,000 square meters of built-up area and storage capacity of minimum one day of total fresh water requirement shall be provided. In areas where ground water recharge is not feasible, the rain water should be harvested and stored for reuse. Thus, 11 no. rain water harvesting recharge pits shall be provided for ground water recharging as per the CGWB norms. The ground water shall not be withdrawn without approval from the Competent Authority.

xvi) All recharge should be limited to shallow aquifer.

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

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

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

xx) Sewage shall be treated in the STP with tertiary treatment. STP shall be installed in a phased manner viz a viz in the module system designed in such a way so as to efficiently treat the wastewater with an increase in its quantity due to rise in occupancy. The treated effluent from STP shall be recycled/reused for flushing, AC make up water and gardening. No treated water shall be disposed of into the municipal storm water drain.

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

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

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

IV. Noise monitoring and prevention

i) Ambient noise levels shall conform to residential area/commercial area/industrial area/silence zone both during day and night as per Noise Pollution (Control and Regulation) Rules, 2000. Incremental pollution loads on the ambient air and noise quality shall be closely monitored during

construction phase. Adequate measures shall be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/SPCB.

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

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

V. Energy Conservation measures

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

ii) Outdoor and common area lighting shall be LED.

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

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

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

vi) Solar power by utilizing at least 30% of the roof top area shall be used for lighting in the apartment to reduce the power load on grid. Separate electric meter shall be installed for solar power. Solar water heating shall be provided to meet 20% of the hot water demand of the commercial and

institutional building or as per the requirement of the local building bye-laws, whichever is higher. Residential buildings are also recommended to meet its hot water demand from solar water heaters, as far as possible.

VI. Waste Management

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

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

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

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

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

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

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

viii) Fly ash should be used as building material in the construction as per the provision of Fly Ash Notification of September, 1999 and amended as on

27th August, 2003 and 25th January, 2016. Ready mixed concrete must be used in building construction.

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

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

VII. Green Cover

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

ii) At least single line plantation all around the boundary of the project as proposed shall be provided. The open spaces inside the plot should be suitably landscaped and covered with vegetation of indigenous species/variety. A minimum of one tree for every 80 sqm (@ **210 trees** of native varieties) of total project land should be planted and maintained. The existing trees will be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping. The plantation should be provided as per SEIAA guidelines.

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

iv) Topsoil should be stripped to a depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stockpiled appropriately in designated areas and reapplied during plantation of the proposed vegetation on site.

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

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

VIII. Transport

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

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

b) Traffic calming measures.

c) Proper design of entry and exit points.

d) Parking norms as per local regulation.

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

iii) A detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 05 kms radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or

proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D./ competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.

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

IX. Human health issues

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

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

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

iv) Occupational health surveillance of the workers shall be done on a regular basis.

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

X. Environment 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 and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.

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

iii) Action plan for implementing EMP and environmental conditions along with the responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year-wise funds earmarked for environmental protection measures shall be kept in separate accounts and not to be diverted for any other purpose. The project proponent shall spend the minimum amount of Rs. 215 Lacs towards the capital cost and Rs 11 Lacs/annum towards recurring cost in the construction phase of the project including the environmental monitoring cost and shall spend the minimum amount of Rs. 12 Lacs/annum towards the recurring cost in operation phase of the project including the environmental monitoring cost. The entire cost of the environmental management plan will continue to be borne by the project proponent until the responsibility of the environmental management plan is transferred to the occupier/residents society under proper MOU under intimation to SEIAA, Punjab. Year-wise progress of implementation of the action plan shall be reported to the Ministry/Regional Office along with the Six-monthly Compliance Report.

XI. Validity

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

XII. Miscellaneous

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Item no. 199.06: Application for Environmental Clearance under EIA notification dated 14.09.2006 for the establishment of commercial project namely "Galaxy Heights II" located at Sector-66A, Mohali, Distt. SAS Nagar, Punjab by M/s JLPL (SIA/PB/MIS/206248/2021).

The project proponent has filed an application for obtaining Environment Clearance under EIA notification, 2006 for establishment of residential project namely "Mohali Citi Centre" located at **sector 66A, Mohali, SAS Nagar (Punjab)** with proposed built up area as 48,336.64. Project is covered under Activity 8(a) & Category 'B2' as per EIA notification-2006. The project is a part of Super Mega Mixed Use Integrated Industrial Park at Sector 82, 83 & 66A, SAS Nagar Mohali developed by M/s JLPL for which the EC was granted vide no. 8257 dated 16.12.2015.

The project proponent submitted the Form I, 1A and other additional documents. They have also deposited the processing fee amounting to Rs. 96,675/- has been paid vide DD no. 357964 dated 30.03.2021. PPCB was requested to send the latest construction status report of the project through e-mail on 26.03.2021.

1.0 Deliberations during 198th meeting of SEAC held on 05.04.2021

The matter was considered by SEAC in its 198th meeting held on 05.04.2021 and it was attended by Ms. Priyanka Madan, EIA Coordinator, M/s Eco Laboratories & Consultants Pvt. Ltd.

SEAC was apprised that the status report from Punjab Pollution Control Board was received through e-mail on 05.04.2021. The report was sent by Punjab Pollution Control Board vide letter no. 1775 dated 05.04.2021. The Committee Members observed that since the report of PPCB was received on the day of the meeting and they would like to go through the contents of the report before considering the said case and requested to defer the case for the next meeting.

After detailed deliberations, SEAC decided to defer the case till the next meeting.

2.0 Deliberations during 199th meeting of SEAC held on 23.04.2021

The meeting was attended by the following:

1. Sh. Hardeep Singh, Dy. Chief Engineer, on behalf of Project Proponent.
2. Sh. Sandeep Garg, EIA Coordinator, M/s Eco Laboratories Pvt Ltd.

SEAC observed that as per the report submitted by the Punjab Pollution Control Board vide letter no. 1775 dated 05.04.2021, the Project Proponent did not start any construction activity on site. The site was confirming to the siting guidelines laid down by the Govt. Punjab, Department of Science Technology and Environment vide order dated 25.07.2008 as amended on 30.10.2009.

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

Sr. no.	Description	Details
1.	Project/activity covered under item of scheduled to the EIA Notification, 14.09.2006	The project falls under Schedule 8(a) - 'Building & Construction Project' Category B. The built-up area of the proposed project will be 48,336.64 sq.m.
2.	Proof of ownership of land mentioning Khasra no. & ownership details (Latest Jamabandi or Registry)	The proposed project is part of Super Mega Mixed Use Integrated Industrial Park at Sector 82, 83 & 66A, SAS Nagar
3.	Details as per CLU certificate like Khasra no., Project area (Existing & after expansion)	
4.	Whether the proposal involves approval/ clearance under the Forest (Conservation) Act, 1980	
5.	Does the project cover under PLPA, 1900	
6.	If the project falls within 10 km of	

<table>
<tr><td></td><td>eco-sensitive area/ National park/ Wild Life Sanctuary. If yes,
a. Name of eco-sensitive area/ National park/ Wild Life Sanctuary and distance from the project site.

b. Status of clearance from the National Board for Wild Life (NBWL).</td><td></td></tr>
<tr><td>7.</td><td>Classification/ Land use pattern as per Master Plan</td><td>Copy of Master plan of SAS Nagar showing the project site was attached along with application.</td></tr>
<tr><td>8.</td><td>Cost of the project</td><td>The estimated project cost for proposed development is Rs. 90 Crores.</td></tr>
<tr><td>9.</td><td>Processing Fee details</td><td>Fees paid= Rs. 96,675/-</td></tr>
<tr><td>10.</td><td>Plot Area</td><td>14,528.19 sq.m.</td></tr>
<tr><td>11.</td><td>Built-up Area</td><td>48,336.64 sq.m.</td></tr>
<tr><td>12.</td><td colspan="2">Water Requirements & Source of Water in Operation Phase
<table>
<tr><th rowspan="2">S.No</th><th rowspan="2">Season</th><th colspan="2">Freshwater</th><th colspan="4">Reuse water</th><th rowspan="2">Total (KLD)</th></tr>
<tr><th>Domestic (KLD)</th><th>Others (KLD)</th><th>Flushing (KLD)</th><th>Green area (KLD)</th><th>HVAC (KLD)</th><th>Sewer (KLD)</th></tr>
<tr><td>1.</td><td>Summer</td><td>95</td><td>-</td><td>32</td><td>21</td><td>-</td><td>47</td><td>195</td></tr>
<tr><td>2.</td><td>Winter</td><td>95</td><td>-</td><td>32</td><td>7</td><td>-</td><td>61</td><td>195</td></tr>
<tr><td>3.</td><td>Rainy</td><td>95</td><td>-</td><td>32</td><td>2</td><td>-</td><td>76</td><td>205</td></tr>
</table>
<table>
<tr><th>S. No.</th><th>Description</th><th>Source of water</th></tr>
<tr><td>1.</td><td>Domestic</td><td>Bore Wells</td></tr>
<tr><td>2.</td><td>Flushing purposes</td><td>Treated water</td></tr>
<tr><td>3.</td><td>Green area</td><td>Treated water</td></tr>
</table></td></tr>
<tr><td>13.</td><td>Details of acknowledgement of application filed to CGWA/ Competent Authority for</td><td>The project is part of the Super Mega Mixed Use Integrated Industrial Park Project being developed by M/s Janta Land Promoters Pvt. Ltd.</td></tr>
</table>

<table>
<tr><td></td><td>obtaining permission for abstraction of ground water.</td><td>Thus, the common borewells will be used to withdrawal the ground water. Application has been filed to CGWA for Super Mega Mixed Use Integrated Industrial Park Project.</td></tr>
<tr><td>14.</td><td>Specify block of project site as per CGWA norms (Notified /Non Notified)</td><td>The project is part of the Super Mega Mixed Use Integrated Industrial Park Project being developed by M/s Janta Land Promoters Pvt. Ltd.</td></tr>
<tr><td>15.</td><td>Details of Wastewater generation, Treatment facility & its Disposal arrangements in Construction Phase</td><td>During construction phase, water demand will be 6 KLD which will be fulfilled by treated water from STP of GMADA located within Sector-83, Mohali.
Fresh water demand of 16 KLD for construction laborers will be fulfilled by existing borewells of Super Mega Mixed Use Integrated Industrial Park Project.</td></tr>
<tr><td>16.</td><td>Details of Wastewater generation, Treatment facility & its Disposal arrangements in Operation Phase and if wastewater being disposed in MC sewer then also mention the details of NOC from competent authority</td><td>During Operation Phase, the wastewater generation will be 112 KLD which will be treated in GMADA STP of 45 MLD capacity.
The details of the breakup of the utilization of treated wastewater is as under:
<table><tr><th>Season</th><th>Flushing (KLD)</th><th>Green area (KLD)</th><th>HVAC (KLD)</th><th>GMADA Sewer (KLD</th></tr><tr><td>Summer</td><td>32</td><td>21</td><td>-</td><td>47</td></tr><tr><td>Winter</td><td>32</td><td>7</td><td>-</td><td>61</td></tr><tr><td>Monsoon</td><td>32</td><td>2</td><td>-</td><td>76</td></tr></table>NOC has been obtained from GMADA for disposal of excess treated water.</td></tr>
<tr><td>17.</td><td>Details of Rainwater recharging/ harvesting (m^3/hr.) proposal & technology proposed to be adopted</td><td>Total 6 no. of Rain water recharging pits has been proposed for rain water recharging within the project premises.</td></tr>
<tr><td>18.</td><td>Details of Solid waste</td><td>During Operation Phase, about 598 kg/day (@</td></tr>
</table>

<table>
<tr><td></td><td>generation (Qty), treatment facility and its disposal arrangement</td><td>0.40 kg/capita/day for residential and @ 0.2 kg/capita/day for floating) of solid waste will be generated. The solid waste will be disposed off as per Solid Waste Management Rules. Biodegradable waste will be converted into manure by use of common composter of 300 kg. While, non-biodegradable waste & hazardous waste will be disposed off to authorized vendors.</td></tr>
<tr><td>19.</td><td>Detail of DG sets</td><td>2 DG sets of capacity 1,000 kVA each (2 no. working and 1 no. for standby use) have been proposed.</td></tr>
<tr><td>20.</td><td>Air pollution control device details</td><td>DG set will provided with acoustic enclosure and run on HSD fuel.</td></tr>
<tr><td>21.</td><td>Energy Requirements & Saving</td><td>Total power demand for the proposed project will be 1,200 KW (design load) which will be provided by Punjab State Power Corporation Limited.
Energy Saving measures:
Solar panels have been proposed on the roof top of the proposed blocks. The total area covered by solar panels is 771.921 m^2 (which is 30% of proposed terrace area i.e. 2573.07 m^2) which will generate 64 KW of power generation.</td></tr>
<tr><td>22.</td><td>Details of Environmental Management Plan</td><td><table>
<tr><th>S.N</th><th>Environmental Protection Measures</th><th>Capital Cost Rs. Lakh</th><th>Recurring Cost Rs. Lakh</th></tr>
<tr><td>1.</td><td>Construction</td><td>106</td><td>12</td></tr>
<tr><td>2.</td><td>Operation</td><td>-</td><td>15.1</td></tr>
</table></td></tr>
<tr><td>23.</td><td>Details of green belt development shall include following:</td><td></td></tr>
</table>

	a) No. of tree to be planted against the requisite norms. b) Percentage of the area to be developed.	No. of trees required = 1 Tree per 80 sq.m. of plot area = 14,528.19 / 80 = 182 trees No. of trees proposed = 185 trees Green Area required = 3,632.049 sq.m. Green Area proposed = 3,753.11 sq.m.

SEAC raised following observations to the Project Proponent.

S.N	Observation raised by SEAC	Reply of the Project Proponent
1.	The Project Proponent has proposed to discharge the wastewater in the GMADA sewer without treatment and proposed to get it treated in the 45 MLD STP of GMADA installed in Sector 83, Mohali. However, in the other projects coming up in the Super Mega Project, the Project Proponent had proposed to install separate STP at the time of obtaining Environmental Clearance of each individual project. What is the reason the Project Proponent has not proposed individual STP in this project.	The Project Proponent sought time to submit reply in this regard.
2.	The Project Proponent has proposed to utilize fresh water from the borewells provided in the Super Mega Project. The Project Proponent is required to submit documentary evidence in support of the claim that the Galaxy Height II was part of the ground water demand proposal of the Super Mega Project.	The Project Proponent sought time to submit reply in this regard.
3.	As per the condition of the MoEF&CC, the Project Proponent has to provide one rainwater harvesting pit for every 5000 Sqm. of built up area. Accordingly the Project Proponent has to provide 10 rainwater harvesting pits.	The Project Proponent sought time to submit reply in this regard.

SEAC accepted the request of the Project Proponent and decided to defer the case till next meeting subject to submission of reply by the project proponent.

Item no. 199.07: Application for Environmental Clearance under EIA notification dated 14.09.2006 for Environmental Clearance for expansion of proposed project "Chemical and APIs production unit situated at Village & Post – Fatehgarh Channa, Mansa Road, District- Barnala, Punjab by IOL chemicals and Pharmaceuticals Ltd. (Proposal No. SIA/PB/IND2/176029/2020).

The project unit is a Chemical and APIs manufacturing unit located at village & Post -Fatehgarh Channa, Mansa Road, District Barnala. Earlier, the project proponent obtained Environment Clearance from the MoEF&CC vide no. F.No. J-11011/976/2018-IA II (i) dated 23.08.2019 for production of Chemicals and API product @ 654.95 MTD.

Now, the project proponent has applied for obtaining expansion in Environment Clearance for production and API product @ 890.35 MTD. The project proponent has deposited Rs. 37,90,000/- through Demand Draft. The project proponent has applied the application as B2 project in light of O.M dated 27.03.2020, 21.05.2020 & 15.10.2020. Since the project has applied for obtaining Environmental Clearance before 31.03.2021, the project can be considered as B2 category project.

The Punjab Pollution Control Board vide letter no. 1419 dated 30.03.2021 has submitted the construction status report. Further, MoEF&CC has sent the compliance report of the Environment Clearance granted previously vide letter no. F.No. 5-85/2007-RO(NZ/Vol:VIII/40-41-42 dated 13.01.2021.

1.0 Deliberations during 198th meeting of SEAC held on 05.04.2021

The meeting was attended by the following:

1. Sh. Deepak Goyal, Senior General Manager and Sh. Rajiv Kumar Garg, Environment Advisor on behalf of the Project Proponent.
2. Sh. D.G Goswami, M/s Enkay Enviro Services Pvt. Ltd.

After presentation, Sh. Preet Mohinder Singh Bedi, Member SEAC, raised following observations to the Project Proponent:

1. Project Proponent may explain briefly about Manufacturing and purification processes of following drugs:

(a) Ibuprofen
(b) Fenofibrate
(c) Amlodipine
(d) Losartan Potassium

2. List Solvents to be used and also brief process of recovery of solvents.
3. Assessment of biological environment.
4. Threshold limits of hazardous chemicals to be used.
5. Plan and fund allocation to ensure the occupational health & safety of all contract and casual workers.
6. Details of Occupational & Safety Hazards. What are the exposure levels of hazards and whether they are within Permissible Exposure level (PEL)? If these are not within PEL, what measures the company has adopted to keep them within PEL so that health of the workers can be preserved.

The Project Proponent sought some time to submit reply to the said observations.

After detailed deliberations, SEAC decided to defer the case to the next meeting subject to submission of reply by the Project Proponent to the above said observations.

2.0 Deliberations during 199th meeting of SEAC held on 23.04.2021

The meeting was attended by the following:

1. Sh. Deepak Goyal, Senior General Manager and Sh. Rajiv Kumar Garg, Environment Advisor on behalf of the Project Proponent.
2. Sh. D.G Goswami, M/s Enkay Enviro Services Pvt. Ltd.

SEAC was apprised that the Project Proponent has submitted reply to the said

observations which was already circulated through e-mail to all the members. SEAC was satisfied with the reply given by the Project Proponent.

The Project Proponent presented the salient features of the project as under:

<table>
<tr><td>1.</td><td>Nature of project (EC for new project/EC for Expansion/ EC for existing & proposed project)</td><td>Expansion of Chemicals and APIs production unit at Village Fatehgarh Channa, Mansa Road District Barnala – 148101, Punjab By IOL Chemicals and Pharmaceuticals Limited.</td></tr>
<tr><td>2.</td><td>a) Category
b) Activity
(As per schedule appended to EIA Notification, 2006 as amended time to time)</td><td>B2
Activity- 5(f) Synthetic organic chemicals industry (dyes & dye intermediates; Bulk.
As per MoEF&CC, New Delhi EIA amendment notification vide S.O. 1223 (E) dated 27.03.2020 & Office Memorandum no. F.NO. 22-25/2020-IA.III dated-13.04.2020, All API's projects treated as B-2 category.</td></tr>
<tr><td>3.</td><td>- Whether the project falls in the critical polluted area notified by MoEF&CC/CPCB. (Yes/No)</td><td>No</td></tr>
<tr><td>4.</td><td>- Total Project Cost (In Crores) :

- Total project cost breakup at current price level duly certified by Chartered Engineer/ Approved valuer or Chartered Accountant</td><td>
<table>
<tr><th>S.No.</th><th>Description</th><th>Existing (Rs. in Crores)</th><th>Proposed (Rs. in Crores)</th><th>Total Cost (Rs. in Crores)</th></tr>
<tr><td>1.</td><td>Cost of Land at current price level</td><td>39.69</td><td>10</td><td>49.69</td></tr>
<tr><td>2.</td><td>Building</td><td>94.44</td><td>66.196</td><td>160.636</td></tr>
<tr><td>3.</td><td>Plant & Machinery</td><td>696.16</td><td>301.91</td><td>998.07</td></tr>
<tr><td>4.</td><td>Others Misc Assets</td><td>12.44</td><td></td><td>12.44</td></tr>
<tr><td colspan="2">Total</td><td>842.73</td><td>378.10</td><td>1220.83</td></tr>
</table>
</td></tr>
<tr><td>5.</td><td>Amount of EC Processing Fee deposited</td><td>D.D No : 370747 dated 28.09.2020 of Rs. 37,90,000/-</td></tr>
</table>

<table>
<tr><td>6</td><td>Plot Area Details</td><td>
<table>
<tr><th>S. No</th><th>Area Description</th><th>Existing</th><th>Proposed are</th><th>After Expansion</th><th>Percentage</th></tr>
<tr><td colspan="2"></td><td colspan="4">(Sq.mtr)</td></tr>
<tr><td>1</td><td>Production plants including ware house, utilities</td><td>70952.42</td><td>52203.58</td><td>123156</td><td>27.2717</td></tr>
<tr><td>2</td><td>Administration, QC, R&D, HSE, Security and welfare facilities</td><td>2268</td><td>214</td><td>2482</td><td>0.5496</td></tr>
<tr><td>3</td><td>Open Areas, Roads, Pathway & Auxiliary</td><td>250502.93</td><td>-89396.93</td><td>161106</td><td>35.6754</td></tr>
<tr><td>4</td><td>Scrap yards</td><td>1765.8</td><td>234.2</td><td>2000</td><td>0.4428</td></tr>
<tr><td>5</td><td>Parking Area</td><td>4694</td><td>4168</td><td>8862</td><td>1.962</td></tr>
<tr><td>6</td><td>Green belt/Plantation</td><td>121404.8</td><td>32577.2</td><td>153982</td><td>34.097</td></tr>
<tr><td></td><td></td><td>451588</td><td>0</td><td>451588</td><td>100</td></tr>
</table>
</td></tr>
<tr><td>7</td><td>Type of project land as per master plan (Industrial/Agriculture/Any other),</td><td>Industrial</td></tr>
<tr><td>8</td><td>ToR compliance report (Submitted/ not submitted)</td><td>NA, being B2 Project</td></tr>
<tr><td>9</td><td>Compliance report of public hearing proceedings (Action Taken) submitted or not submitted</td><td>NA, being B2 Project</td></tr>
<tr><td>10</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.
Has the unit received any notice under the Section 5 of</td><td>NA

NA</td></tr>
</table>

	Environment (Protection) Act, 1986 or relevant Sections of Air and Water Acts? If so, details thereof and compliance/ATR to the notice(s) and present status of the case.	
11	Raw material details:	Given in the PFR
12	Production Capacity details: Product details under each category are provided in the PFR	

S.No	Name of the products	Existing capacity as Per Environment Clearance dated 23.08.2019 (TPD)	Proposed Capacity (TPD)	Total after Expansion (TPD)
1	Ethyl Acetate	300	150	450
2	Acetic Anhydride	70	0	70
3	Ibuprofen	45	15	60
4	Monochloroacetic Acid	40	20	60
5	Acetyl Chloride	32	16	48
6	Iso Butyl benzene	60	0	60
7	Diclofenac Sodium	7	0	7
8	Metformin Hydrochloride	40	10	50
9	Fenofibrate	0.75	0	0.75
10	Clopidogrel Bisulphate	1	0	1
11	Amlodipine	0.25	0	0.25
12	Lamotrigine	0.1	0.4	0.5
13	Phineramine Base	0.1	0	0.1
14	Ibuprofen Lysinate	0.5	0.5	1
15	Ursodeoxycholic Acid	0.25	0	0.25
16	Quetiapine	3	0	3
17	Dex – Ibuprofen	0.5	0	0.5
18	Gabapentin	5	0	5
19	Pantoprazole	1	0	1
20	losartan Potassium	1	0	1
21	Fexofenadine	0.5	0	0.5
22	Ibuprofen Sodium	2	0	2

23	CMIC Chloride	2	-2	0
24	DCMIC Chloride	0.5	-0.5	0
25	FCMIC Chloride	0.5	-0.5	0
26	MIBT	10	10	20
27	Propyl Acetate	20	0	20
28	Intermediate Products			0
	1) HEEP	1	0	1
	2) Methyl-2-amino-3-chloropropionate HCl	0.5	0	0.5
	3) 2-(2-(Aminothiazole-4-yl)-2-[2-(terbutoxycarbonyl) isopropoxyimino] acetic acid (ATTBA) Ceftazidime intermediate	0.25	0	0.25
	4) 2-chloro-3-cyanopyridine Mirtazapine intermediate	0.25	0	0.25
	5) 4'-methyl-2-cyanobiphenyl (OTBN)	1	2	3
	6) m-Phenoxybenzaldehyde	2	0	2
	7) 4-aminobenzamide	2	0	2
	8) p-nitro benzoyl chloride	3	0	3
	9) Vanillin	2	0	2
	10) 2-Butyl-4-Chloro-5-Formylimidazole (BCFI)	0	2	2
29	Folic Acid	0	2	2
30	Dextromethorphan	0	1	1
31	Levitracetam	0	1	1
32	Apixaban	0	1	1
33	Mesalamine	0	1	1
34	Telmisartan	0	0.5	0.5
35	Acelofenac	0	2	2
36	Cytosine	0	1	1
37	MICA Ester	0	1	1
38	MAEM Ester	0	1	1
39	Oxcarbazepine	0	1	1
	Total	**654.95**	**235.4**	**890.35**

	Cogeneration (MW)	**17**	**12.75**	**29.75**

13	Manpower requirement (After expansion)	**Man Power in Nos**	**Existing**	**Proposed**
			1850	500 (Expansion)
		Total	**2350**	

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

S.N	Type of Waste	Category (As per Schedule)	Existing	Proposed	Total	Storage	Mode of Treatment and Disposal
1	Distillation Residues	20.3	---	15.0 TPA	15.0 TPA	Store in Hazardous Waste Room in Environmentally Sound Manner	Sent to Authorized Dealer for Disposal or In house incineration
2	Distillation Residue	28.1	13.095 TPA	4.365 TPA	17.460 TPA		Sent to Authorized Dealer for Disposal or In house incineration
3	Mobile Oil	5.1	0.840 KLA	0.360 KLA	1.200KLA		Sale to Authorized Recyclers
4	Spent Catalyst	28.2	1.200 TPA	0.800 TPA	2.00 TPA		Send to TSDF facility
5	Spent Carbon	28.3	----	4.500 TPA	4.500 TPA		Send to TSDF facility
6	Off specification products	28.4	-----	5.00 TPA	5.00 TPA		Sent to Authorized Dealer for Disposal or In house incineration

7	Date Expired Products	28.5	0.500 TPA	4.50 TPA	5.00 TPA		Sent to Authorized Dealer for Disposal or In house incineration
8	Spent Solvents	28.6	----	40.0 TPA	40.0 TPA		Sent to Authorized Dealer for Disposal or In house incineration
9	Empty Barrels/Containers/Liners Contamined with Hazardous Chemicals/ Waste	33.1	36.500 TPA	9.120 TPA	45.620 TPA	Store in Scrap Yard in Dedicated Area	Sale to Recyclers
10	Contaminated Cotton Rags or other Cleaning Materials	33.2	0.240 TPA	2.260 TPA	2.500 TPA	Store in Hazardous Waste Room in Environmentally Sound Manner	Sent to Authorized Dealer for Disposal or In house incineration
11	ETP Sludge	35.3	8.860 TPA	9.140 TPA	18.00 TPA		Sent to Authorized Dealer for Disposal or In house incineration
	ETP Sludge (TSDF)	35.3	0.00 TPA	17.00 TPA	17.00 TPA		Send to TSDF facility
12	Spent Carbon or Filter Medium	36.2	0.600 TPA	0.900 TPA	1.500 TPA		Send to TSDF facility

13	Sludge from Wet Scrubbers	37.1	---	0.625 TPA	0.625 TPA		Send to TSDF facility
14	Ash from Incinerator	37.2	---	30.0 TPA	30.0 TPA		Send to TSDF facility
15	MEE Residue	37.3	----	180.0 TPA	180.0 TPA		Send to TSDF facility
15	Domestic Sludge			20.0 TPA	20.0 TPA		Given to nearby Farmers as Manure

Particulars	**Quantity (KLD)**		**Total Quantity (KL)**	**Treatment**
	Existing	**Proposed**		
Domestic	85	20	105	The domestic sewage is being/will be treated in existing STP having capacity of 75 KLD and after expansion STP will be upgraded up to 150 KLD. Treated water is being utilized for plantation
Process including equipment washing	620	205	825	Low TDS Effluent Treated in To ETP [Existing capacity of ETP (Cap 1000 M3/Day) and same will be upgraded up 1500 M3/Day]. ETP comprises of Four Stage, One Stage Anaerobic, One Stage MBBR and One Stage Aeration and Tertiary Treatment. After treatment treated water treat in RO System, RO permeate will be recycled in to cooling towers. RO Reject + High TDS effluent treated in to MEE/MVRand condensate recovery of MEE/MVR will be reused in process and Cooling Towers. Concentrated stream will be sent to ATFD for further treatment. MEE salt will be disposed into TSDF
Washing (Floor)	0	65	65	
Boiler Feed	52	268	320	
Cooling Tower	50	163	213	
Fresh Water for Plantation	0	223	223	
Sub total	**807**	**944**	**1751**	
Recycled	993	665	1658	

Greenbelt plantation	73	12	85	*STP treated water is being/will be used for greenbelt
Total	**1873**	**1621**	**3494**	

15	Details of the block in which the project site is located as per CGWA guideline (Notified/ Non-Notified area and name of block)	**Name** / **Distance** Barnala Block for Ground water Resources / Classified as Over-exploited Zone for Groundwater resources by CGWA, New Delhi

Source: - ground water and surface water.

Approval:
NOC for Surface water from Irrigation Department of Punjab for 900 KLD has been obtained.
NOC for ground water abstraction from CGWA for withdrawal of 900 KLD has been obtained.

16	Water balance chart for Summer, Rainy and Winter seasons (Submitted/Not Submitted)	Submitted.
17	Rain Water utilization proposal during monsoons (Submitted/Not Submitted)	Submitted.
18	Rain Water Harvesting proposal (within/outside premises) along with NOC from concerned village sarpanch (Submitted/Not Submitted)	Submitted
19	Blockwise details of no. of trees to be planted in proposed greenbelt area(1500 Trees to be planted @ 10000 Sqm area):	Existing- 33777; Proposed-4886; After Expansion- 38663
20	Energy requirements & savings:	The details of the energy are given below:

	- Energy saving measures to be adopted within industry:	

Details	Existing	Proposed	Total after expansion	Capacity Source
Power Requirement	17 MW	12.75 MW (stand by)	17 MW +12.75 MW (Stand By) =29.75 MW	In house, Cogeneration Plant
Power Back Up	2625 kVA	4500 Kva	2625 KVA existing and 4500 kVA proposed	2 X 1000 KVA and 1 X 625 KVA DG sets are available for existing project. For the proposed expansion project additionally 2 X 2250 KVA will be installed for power-backup (as a standby).

21	- EMP Budget details	- EMP budget details

Particulars	Proposed EMP Cost (Rs. in Lacs) Capital	Proposed EMP Cost (Rs. in Lacs/annum) Recurring	Basis for cost estimates
Air pollution control &Noise Pollution Monitoring	100	20	Air pollution controlling equipment's, Monitoring of Air Environment, Ambient noise monitoring, acoustic hoods / enclosures, noise mapping, hearing protection
Water Pollution control	650	637.78	Capital cost would include cost of ETP,RO,MVR and STP including Civil work, mechanical work, and electrical work and piping work is included. Recurring cost is cost of treatment of waste water at site

Solid and hazardous waste management	100	36.00	Capital cost would include cost of Incinerator and providing storage space for hazardous waste. Recurring cost would include cost of transportation & disposal and treatment cost of Incinerator
Environment monitoring and management	80	20	The recurring cost would be incurred on hiring of consult-ants and payment of various statutory fees to regulatory agencies.
Occupational Health	75	20	Periodic Health checkup, PPEs etc
Green belt & Rainwater Harvesting	35	1.5	Capital cost would include cost of plant species and labor cost and recurring cost would include cost of maintenance of that green belt including cost of required water for plant growth
Air Pollution Control Devices	350	10.0	ESP
Total	**1390**	**745.28**	

	b Details of Environment Management Cell (EMC) responsible for implementation of EMP	Senior General Manager (1 No.), Deputy manager (1 No.), Officer 1 No.), Chemist (3 No.), Operators/Helpers (10 No.).
23	Project area involves forest land, (Yes/No),	No
24	Traffic Study Details:	NA

SEAC raised following observations to the Project Proponent.

S.N.	Observation raised by SEAC	Reply of the Project Proponent
1.	The Project Proponent was asked to explain the treatment of approximate quantity of 75 tonnes per day of rice husk ash being generated from the boilers using rice husk as fuel.	The Project Proponent agreed to set up 20 tonnes per day of silica recovery plant for the treatment of rice husk ash on pilot basis. Depending upon its success, it will be further upgraded to total rice husk ash generation.

SEAC was satisfied with the presentation given by the Project Proponent and took the presentation on record.

After detailed deliberations, SEAC decided to award **'Silver Grading'** to the project proposal under category B2, Activity 5 (f) as per MOEF&CC OM dated 13.04.2020 and to forward the application to SEIAA with the recommendations to grant Environmental Clearance for expansion of proposed project "Chemical and APIs production unit situated at Village & Post – Fatehgarh Channa, Mansa Road, District- Barnala, Punjab by IOL chemicals and Pharmaceuticals Ltd. as per the details mentioned in the application & subsequent presentation /clarifications made by the project proponent & his consultant with 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 the necessary permission from the Central Ground Water Authority/ competent authority concerned, in case of drawl of ground water and also in case of drawl of surface water required for the project. In case of non- grant of permission by CGWA for ground water abstraction, the industry shall make alternative arrangements by using surface water or treated city sewage effluent after obtaining permission from competent authority.

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

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

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

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

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

II. Air quality monitoring and preservation

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

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

iii. The project proponent shall install a system to carryout Continuous Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM2.5 in reference to PM emission, and SO_2 and NO_x in reference to $S0_2$ and NO_x emissions) within and outside the plant area (at least at four locations one for small units) within and three outside the plant area at an angle of 120°each), covering upwind and downwind directions.

iv. To control source and the fugitive emissions, suitable pollution control devices shall be installed to meet the prescribed norms and/or the NAAQS. Sulphur content should not exceed 0.5% in the coal for use in coal fired boilers to control particulate emissions within permissible limits (as applicable). The gaseous emissions shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines.

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

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

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

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

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

III. Water quality monitoring and preservation

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

ii. Low TDS effluent to the tune of 1137 KLD will be generated from Process,Washing and Boiler sent to ETP for treatment, After treatment 1137 KLD Treated water and Cooling tower Blow Down @ 105 KLD sent in to RO Plant for further treatment. RO permeate will be utilized in cooling tower for reuse and RO Reject @ 220 KL alongwith High TDS 156 KL will be sent to MEE/MVR for treatment, and condensate of MEE/MVR will be reused in Cooling tower. The concentrate of the MEE will be sent to ATFD of capacity 50 Kg/hr.

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

iv. Total fresh water requirement shall not exceed the 1751 KLD. Prior permission shall be obtained from the concerned regulatory authority/CGWA in this regard.

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

vi. The Company shall store the rainwater from the roof tops of the buildings and utilize the same for different industrial operations within the plant.

vii. Water demand during construction should be reduced by use of ready mixed concrete, curing agents and other best practices.

viii. Provide electromagnetic flow meter at intake of water supply from the at the borewell for abstraction of ground water if any, outlet of the ETP/STP and any pipeline to be used for re-using the treated wastewater back into the system and for horticulture purpose/green belt etc.

ix. A proper record regarding groundwater abstraction, water consumption, its reuse and disposal shall be maintained on daily basis and shall maintain a record of readings of each such meter on daily basis.

x. Fixtures for showers, toilet flushing and drinking should be of low flow either by use of aerators or pressure reducing devices or sensor-based control.

xi. Separation of drinking water supply, treated sewage supply and treated permeate line leading back to the process water should be done by the use of different colors.

IV. Noise monitoring and prevention

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

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

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

V. Energy Conservation measures

i. The energy sources for lighting purposes shall preferably be LED based.

ii. The project proponent shall make efforts to ensure the reduction of overall power demand which may be met by solar system including the provision of solar water heating or through any other innovative environment friendly techniques.

VI. Waste management

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

ii. Disposal of muck during construction phase should not create any adverse effect on the neighbouring communities and be disposed off after taking the necessary precautions for general safety and health aspects of people with the approval of competent authority. The project proponent will comply with the provisions of Construction & Demolition Waste Rules, 2016. Dust, smoke & debris prevention measures such as wheel washing, screens, barricading and debris chute shall be installed at the site during construction including plastic / tarpaulin sheet covers for trucks bringing in sand & material at the site.

iii. Construction spoils, including bituminous material and other hazardous material, must not be allowed to contaminate watercourses. The dump sites for such material must be secured, so that they should not leach into the groundwater.

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

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

vi. The Project proponent shall abide by the provisions of Solid Waste Management Rules, 2016 (amended from time to time), if applicable.

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

   a. Metering and control of quantities of active ingredients to minimize waste.

   b. Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.

   c. Use of automated filling to minimize spillage.

   d. Use of Close Feed system into batch reactors.

   e. Venting equipment through vapour recovery system.

   f. Use of high-pressure hoses for equipment clearing to reduce wastewater generation

VII. Green Belt

i. The green belt shall be developed in more than 33% of the total project area, mainly along the plant periphery, in downward wind direction, and along road sides etc. Selection of plant species shall be as per the CPCB guide lines in consultation with the State Forest Department. As per the proposal, there are already 33777 plants in the premises and further 4886 more trees will be planted in phase manner.

VIII. Safety, Public hearing and Human health issues

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

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

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

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

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

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

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

viii. A first aid room will be provided in the project both during construction and operation phase of the project.

IX. 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 and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.

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

iii) Action plan for implementing EMP and environmental conditions along with the responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year-wise funds earmarked for environmental protection measures shall be kept in separate accounts and not to be diverted for any other purpose. The project proponent shall spend the minimum amount of Rs 1390.0 Lacs towards the capital cost and Rs 745.28 Lacs/annum towards recurring cost of the project including the environmental monitoring cost. The entire cost of the environmental management plan will continue to be borne by the project proponent until the responsibility of the environmental management plan is transferred to the occupier/residents society under proper MOU under intimation to SEIAA, Punjab. Year-wise progress of implementation of the action plan shall be reported to the Ministry/Regional Office along with the Six-monthly Compliance Report.

X Validity of Environmental Clearance.

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

XI. Miscellaneous

i. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department etc. shall be obtained, by project proponent from the competent authorities including Punjab Pollution Control Board and from other statutory bodies as applicable.

ii. In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by State Environment Impact Assessment Authority, Punjab.

iii. The environmental safeguards contained in the application of the promoter / mentioned during the presentation before State Level Environment Impact Assessment Authority/State Expert Appraisal Committee should be implemented in letter and spirit.

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

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

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

vii. The project proponent shall monitor the criteria pollutants level namely; PM10, 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.

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

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

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

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

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

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

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

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

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

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

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

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

XI. ADDITIONAL CONDITIONS:

i. The Environmental Clearance is granted to the project subject to the condition that industry shall obtain change of land use for the industrial purposes and submit a copy of the same to SEIAA. In case, CLU has been rejected for industrial use for any reason, SEIAA will not be responsible for the cost incurred on the project.

ii. To achieve the Zero Liquid Discharge, waste water generated from different industrial operations should be properly collected, treated to the prescribed standards and then recycled or reused for the identified uses.

iii. The project proponent shall make necessary arrangements for the recovery and reuse of steam condensate resulting from the indirect steam applications and shall not allow to discharge such effluents into drain.

iv. The project proponent shall provide advanced scrubbing systems with proper neutralizing media to handle the acidic/alkaline emissions from storage, handling & processing activities. Wherever required, packed bed scrubbers will also be provided. The suction and scrubbing systems shall also be designed to handle the inherent odours from such units.

v. The project proponent shall provide the Air Pollution Control Devices as proposed by the PPCB to control the emissions generated from the boiler within the prescribed parameter.

vi. The project proponent shall practice rainwater harvesting to maximum possible extent. For this village ponds located at Villages-Dhoorkot, Pirtha patti Dhoorkot, Bhaini fatta,Bhathlan, Jhaloor, Uppli, Kotduna, Sekha, Pharwahi, Tehsil and District Barnala shall be adopted for desilting to recharge the rainwater. Pond water will percolate through natural strata (without injection) to augment the ground water and remaining water shall be used for irrigation purposes by pumping method in the nearby fields.

Item no. 199.08: Application for Environmental Clearance under EIA notification dated 14.09.2006 for the establishment of Group Housing project namely "Noble Callista" located at Plot no. 1, IT City, Sector 66B, Mohali, SAS Nagar (Punjab) by M/s Noble Dream Projects Pvt. Ltd. (SIA/PB/MIS/206587/2021).

The project proponent has filed an application for obtaining Environment Clearance under EIA notification, 2006 for establishment of Group Housing project namely "Noble Callista" located at Plot no. 1, IT City, Sector 66B, Mohali, SAS Nagar (Punjab) with proposed built up area as 1,41,340 sq.m. Project is covered under Activity 8(a) & Category 'B2' as per EIA notification-2006.

The project proponent submitted the Form I, 1A and other additional documents. They have also deposited the processing fee amounting to Rs. 2,82,680/- has been paid vide through NEFT. PPCB was requested to send the latest construction status report of the project through e-mail on 01.04.2021.

1.0 Deliberations during 199th meeting of SEAC held on 23.04.2021

The meeting was attended by the following:

1. Vivek Mittal, Director, authorized person on behalf of Project Proponent.
2. Sh. Sandeep Garg, Director, M/s Eco Laboratories Pvt Ltd.

SEAC observed that as per the report sent by the Punjab Pollution Control Board vide letter no. 2022 dated 16.04.2021; the Project Proponent did not start any construction activity on site. The site was confirming to the siting guidelines laid down by the Govt. Punjab, Department of Science Technology and Environment vide order dated 25.07.2008 as amended on 30.10.2009.

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

S. No.	Description	Details
1.	Project/activity covered under item of scheduled to the EIA Notification, 14.09.2006	The project falls under Schedule 8(a) - 'Building & Construction Project' Category B as the built-up area of project is 1,41,340 sq.m.
2.	Proof of ownership of land mentioning Khasra no. & ownership details (Latest Jamabandi or Registry)	GMADA has allotted 6.84 acres of land for development of group housing project vide letter no. 20499 dated 22.04.2021.
3.	Does it attract the general condition? If yes, please specify	No
4.	Whether the proposal involves approval/clearance under the Forest (Conservation) Act, 1980	No. The project does not involve any forest land as the land has been allotted by GMADA.
5.	Does the project cover under PLPA, 1900	No. The land has been allotted by GMADA.
6.	If the project falls within 10 km of eco-sensitive area/ National park/ Wild Life Sanctuary. If yes, a. Name of eco-sensitive area/ National park/ Wild Life Sanctuary and distance from the project site. b. Status of clearance from the National Board for Wild Life (NBWL).	Yes a. City Bird Sanctuary: Approx. 7 km. However, project lies outside the eco-sensitive zone of the City Bird sanctuary. b. NBWL clearance is not required as project lies outside the eco-sensitive zone of the City Bird sanctuary.
7.	Classification/Land use pattern as per Master Plan	GMADA allotted 6.84 acres of land for development of group housing project vide letter no. 20499 dated 22.04.2021.
8.	Cost of the project	The estimated project cost is Rs. 325.12 Crores which includes land and construction cost.
9.	Processing Fee details (Amount/NEFT no./dated)	Rs. 2,82,680/- has been paid vide UTR No. UBIN0903191 dated 25.03.2021.
10.	Detail of various components	
11.	Breakup of Water Requirements & source in Operation Phase (Summer, Rainy, Winter):	

S.no.	Description	Particulars	Unit
1.	Plot Area (4 acres)	27,680.5	sq. m.
2.	Built-up Area	1,41,340	sq. m.

S.No	Season	Freshwater		Reuse water				Total (KLD)
		Domestic (KLD)	Others (KLD)	Flushing (KLD)	Green area (KLD)	HVAC (KLD)	Sewer (KLD)	
1.	Summer	243	-	127	42	-	121	370
2.	Winter	243	-	127	14	-	149	370
3.	Rainy	243	-	127	4	-	159	370

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

12.	Details of acknowledgement of application filed to CGWA/ Competent Authority for obtaining permission for abstraction of ground water.	The source of water during operation phase will be from GMADA. Thus, there is no need of obtaining permission for bore wells.
13.	Specify block of project site as per CGWA norms (Notified/ Non Notified)	The project falls under non-notified & over-exploited zone. However, as per the latest Notification, CGWA is not processing the ground water application for Punjab state. Punjab Water Regulation and Development Authority (PWRDA) deals with permission for abstraction of ground water. Thus, the project site falls in Kharar block of Distt. S.A.S. Nagar which is over-exploited and falls in yellow category as per the block wise ground water resources category and status by Punjab Guidelines for Groundwater Extraction and Conservation, 2020.
14.	Details of Wastewater generation, Treatment facility & its Disposal arrangements in Construction Phase	During Construction Phase, wastewater generation will be treated in septic tank.
15.	Details of Wastewater generation, Treatment facility & its Disposal arrangements in Operation Phase and if wastewater being disposed in MC sewer then also mention the	During Operation Phase, the wastewater generation will be 296 KLD which will be treated in proposed STP of 350 KLD capacity based on MBBR technology followed by UF treatment. The details of the breakup of the utilization of treated wastewater is as under: -

<table>
<tr><td></td><td>details of NOC from competent authority</td><td>
<table>
<tr><th>Season</th><th>Flushing (KLD)</th><th>Green area (KLD)</th><th>HVAC (KLD)</th><th>GMADA Sewer (KLD)</th></tr>
<tr><td>Summer</td><td>127</td><td>42</td><td>-</td><td>121</td></tr>
<tr><td>Winter</td><td>127</td><td>14</td><td>-</td><td>149</td></tr>
<tr><td>Monsoon</td><td>127</td><td>4</td><td>-</td><td>159</td></tr>
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</td></tr>
<tr><td>16.</td><td>Details of Rainwater recharging/ Harvesting (m^3/hr) proposal & technology proposed to be adopted</td><td>Total 6 nos. of Rain water recharging pits are being proposed for rain water recharging within the project premises.</td></tr>
<tr><td>17.</td><td>Details of Solid waste generation (Qty), treatment facility and its disposal arrangement</td><td>a) 1,147.8 kg/day
b) The solid waste shall be duly segregated into biodegradable, non-biodegradable and non-hazardous waste components as per SWM Rules, 2016.</td></tr>
<tr><td>18.</td><td>Details of Hazardous Waste & E-Waste generation (Qty), Treatment facility and its disposal arrangement</td><td>Used oil from DG set will be generated which will be sold to authorized vendor. E-waste generated from the project will be handled as per E-Waste (Management) Rules, 2016 & its amendments.</td></tr>
<tr><td>19.</td><td>Detail of DG sets</td><td>Total 5 nos. of DG set of capacity 250 KVA have been proposed for power back up.</td></tr>
<tr><td>20.</td><td>Air pollution control device details</td><td>DG set shall be with in-built acoustic enclosure as approved by CPCB and conforming to MoEF Notification.</td></tr>
<tr><td>21.</td><td>Energy Requirements & Saving</td><td>3,217 KVA from Punjab State Power Corporation Limited (PSPCL). LED lights and solar panels have been proposed on the roof top of blocks.</td></tr>
<tr><td>22.</td><td>Details of Environmental Management Plan</td><td>
<table>
<tr><th>S. No</th><th>Environmental Protection Measures</th><th>Capital Cost Rs. Lakh</th><th>Recurring Cost Rs. Lakh</th></tr>
<tr><td>1.</td><td>Construction</td><td>333</td><td>20.5</td></tr>
<tr><td>2.</td><td>Operation</td><td>-</td><td>17.5</td></tr>
</table>
</td></tr>
<tr><td>23.</td><td>Details of green belt development shall include following:
a) No. of tree to be planted against the requisite norms.</td><td>a) No. of trees required = 1 Tree per 80 sq. m. of plot area =27,680.5/80= 346 trees
No. of trees proposed = 408 trees</td></tr>
</table>

	b) Percentage of the area to be developed.	b) Green Area proposed = 7,639.2 sq. m (@ 27.6%)

SEAC raised following observations to the Project Proponent.

S.N.	Observation raised by SEAC	Reply of the Project Proponent
1.	As per the condition of the MoEF&CC, the Project Proponent has to provide one rainwater harvesting pit for every 5000 Sqm. of built up area. Accordingly the Project Proponent has to provide 29 rainwater harvesting pits.	The Project Proponent agreed to provide the same.
2.	The Project Proponent shall submit the standards of treated wastewater which will be utilized for flushing.	Submitted

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

2.0 Recommendations:

After detailed deliberations, SEAC decided to award 'Silver Grading' to the project proposal and to forward the application of the project proponent to SEIAA with the recommendations to grant Environmental Clearance for the establishment of Group Housing project namely "Noble Callista" located at Plot no. 1, IT City, Sector 66B, Mohali, SAS Nagar (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 all necessary clearance/ permission from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.

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

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

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

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

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

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

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

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

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

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

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

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

II. Air quality monitoring and preservation

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

III. Water quality monitoring and preservation

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

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

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

iv) The total water requirement for the project will be 370 KL/day, out of which fresh water demand of 243 KL /day shall be met through groundwater and remaining through recycling of treated waste water from their own STP. Total fresh water use shall not exceed the proposed requirement as provided in the project details.

v) a) The total wastewater generation from the project will be 296 KL/day, which will be treated in STP to be installed within the project premises. As proposed, reuse of treated wastewater shall be as under:-

Sr. No.	Season	For Flushing purposes (KLD)	Green Area (KLD)	GMADA Sewer KLD
1.	Summer	127	42	121
2.	Winter	127	14	149
3.	Rainy	127	4	159

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

c) During construction phase, the project proponent shall ensure that the waste water being generated from the labour quarters/toilets shall be

treated and disposed in environment friendly manner. The project proponent shall also exercise the option of modular bio-toilets or will provide proper and adequately design septic tanks for the treatment of such waste water and treated effluents shall be utilized for green area/plantation.

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

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

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

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

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

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

xxx) The project proponent shall also adopt the new/innovating technologies like less water discharging taps (faucet with aerators)/urinals with electronic sensor system /water less urinals / twin flush cisterns/ sensor based alarming system for

overhead water storage tanks and make it a part of the environmental management plans / building plans so as to reduce the water consumption/ground water abstraction in their Building Construction & Industrial projects.

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

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

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

xxxiii) The CGWA provisions on rain water harvesting should be followed. A rain water harvesting plan needs to be designed where the recharge bores of minimum one recharge bore per 5,000 square meters of built-up area and storage capacity of minimum one day of total fresh water requirement shall be provided. In areas where ground water recharge is not feasible, the rain water should be harvested and stored for reuse. Thus, 29 no. rain water recharge pits shall be provided for ground water recharging as per the CGWB

norms. The ground water shall not be withdrawn without approval from the Competent Authority.

xxxiv) All recharge should be limited to shallow aquifer.

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

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

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

xxxviii) Sewage shall be treated in the STP with tertiary treatment. STP shall be installed in a phased manner viz a viz in the module system designed in such a way so as to efficiently treat the wastewater with an increase in its quantity due to rise in occupancy. The treated effluent from STP shall be recycled/reused for flushing, AC make up water and gardening. No treated water shall be disposed of into the municipal storm water drain.

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

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

xli) Sludge from the onsite sewage treatment, including septic tanks, shall be collected, conveyed and disposed as per the Ministry of Urban Development,

Central Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.

IV. Noise monitoring and prevention

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

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

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

V. Energy Conservation measures

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

ii) Outdoor and common area lighting shall be LED.

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

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

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

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

VI. Waste Management

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

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

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

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

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

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

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

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

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

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

VII. Green Cover

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

ii) At least single line plantation all around the boundary of the project as proposed shall be provided. The open spaces inside the plot should be suitably landscaped and covered with vegetation of indigenous species/variety. A minimum of one tree for every 80 sqm (@ **408 trees** of native varieties) of total project land should be planted and maintained. The existing trees will be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping. The plantation should be provided as per SEIAA guidelines.

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

iv) Topsoil should be stripped to a depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stockpiled appropriately in designated areas and reapplied during plantation of the proposed vegetation on site.

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

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

VIII. Transport

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

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

b) Traffic calming measures.

c) Proper design of entry and exit points.

d) Parking norms as per local regulation.

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

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

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

IX. Human health issues

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

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

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

iv) Occupational health surveillance of the workers shall be done on a regular basis.

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

X. Environment 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 and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.

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

iii) Action plan for implementing EMP and environmental conditions along with the responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year-wise funds earmarked for environmental protection measures shall be kept in separate accounts and not to be diverted for any other purpose. The project proponent shall spend the minimum amount of Rs. 333 Lacs towards the capital cost and Rs. 20.5 Lacs/annum towards recurring cost in the construction phase of the project including the environmental monitoring cost and shall spend the minimum amount of Rs. 17.50 Lacs/annum towards the recurring cost in operation phase of the project including the environmental monitoring cost. The entire cost of the environmental management plan will continue to be borne by the project proponent until the responsibility of the environmental management plan is transferred to the occupier/residents society under proper MOU under intimation to SEIAA, Punjab. Year-wise progress of implementation of the action plan shall be reported to the Ministry/Regional Office along with the Six-monthly Compliance Report.

XI. Validity

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

XII. Miscellaneous

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

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

iii) The project proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days indicating that the project has been accorded

environment clearance and the details of MoEFCC/SEIAA website where it is displayed.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Item No. 199.09 Application for Environmental Clearance of API manufacturing Industrial Unit Namely "M/s Essix Biosciences Limited" located at Plot No. – B4 & B5, Industrial Focal Point, Dera Bassi, SAS Nagar, Punjab.(Proposal No. SIA/PB/IND2/206547/2021).

The industry has applied for obtaining Environment Clearance for carrying out expansion of the existing unit at the same location with the increase in the production capacity from 160 Kg/day to 217.27 Kg/day. The industry has submitted all the requisite documents as per the EIA notification dated 14.09.2006 along with requisite fee of Rs. 50,000/- vide UTR No. IBKL210326875711dated 26.03.2021. The industry also deposited Rs. 1,86,400/- vide DD no. 010538 dated 16.04.2021 and Rs. 1,00,000/- vide DD no. 010537 dated 16.04.2021.

The project proponent has applied the application as B2 project in light of O.M dated 27.03.2020, 21.05.2020 & 15.10.2020, Since the project has applied for obtaining Environmental Clearance before 30.03.2021(on 27.03.2021), the project can be considered as B2 category project.

1.0 Deliberations during 199th meeting of SEAC held on 23.04.2021

The case was considered by SEAC in its 199th meeting held on 23.04.2021 and was attended by the following:

1. Sh. Sandeep Garg, EIA Coordinator, M/s Eco Laboratories Pvt Ltd.
2. Mr. Atul Kumar Chaubey, authorized signatory, on behalf of Project Proponent.

SEAC observed that Punjab Pollution Control Board vide letter no. 2061 dated 19.04.2021 has sent the latest construction status report. The contents of the report are given as under:

"In above regard, it is intimated that the industry was earlier granted consent to operate under the Water (Prevention & Control of Pollution) Act, 1974 vide no. CTOW/Renewal/SAS/2020/12685008 dated 20/07/2020 having validity upto 31/03/2021 and Air (Prevention & Control of Pollution) Act, 1981 vide no. CTOA/Renewal/SAS/2020/12684695 dated 13/07/2020 having validity upto 31/03/2021 for manufacturing of Pentazocin – 5 @ 0.160 MTD, CND – 4 to 9 @ 0.160 MTD, GA - 1 to 2 @ 0.160 MTD, B - 4, 5 @ 0.160 MTD, Ephedrine Hydrochloride @ 0.07 MTD,

subject to suitable conditions. It is pertinent to mention here that the industry has already applied for renewal of 'consent to operate' under the Air (Prevention & Control of Pollution) Act, 1981, which is under process.

Now, in reference to your email dated 01.04.2021, it is intimated that M/s Essix Biosciences Ltd., B-4 & 5, Focal Point, Dera Bassi, Distt. SAS Nagar has applied for environmental Clearance for addition of products i.e. A-2 Intermediate of Atorvastatin Calcium; DMI-02 Intermediate of Donepezil Hydrochloride; EZE-III Intermediate of Ezetimibe; FEX – 8 Intermediate of Fexofenadrine; AZE-04 & AZE-05 Intermediates of ISLL-C-361; IMN – 03, IID-04 & IBV-07 Intermediates of Ivabradine; LET-01 Intermediate of Letrazole; MNPPA Intermediate of Ropinirole & PTZ -7 Intermediate of Pentazocine. The overall production capacity of the added products will be 217.27 kg/day.

The point wise reply of the comments sought by SEIAA from this office relating to the subject cited industry through the referred email, is given as under:

Sr. No.	***Report of point sought by SEIAA***	***Remarks***
1.	*Construction status of the proposal.*	*During the conduct of visit, it was verified that the industry has not installed the proposed additional machinery at site.*
2.	*Status of physical structures within 500 m radius of the site including the status of industries, if any.*	*The industry is located in Industrial Focal Point, Dera Bassi at coordinates 30.6045801, 76.8557028. Being located on the Southern side of Industrial Focal Point, Dera Bassi, the industry is surrounded by industrial units in the North, East & West side. Also, there exists one Choe namely Dhabi Nallah traversing from the back side of the industrial premises which connects with Dera Bassi Choe, which further leads to river Ghaggar. On the other side of the drain there exists many a residential projects which are either already constructed/ occupied or are under construction such as Garden Enclave on the East side, Green Enclave on the Southern side, Ubber Palm Heights on the South*

		West side, Bella Homes on the Western side, Parsvnath Builders on Southern side.
3.	*Whether the site meets with the prescribed criteria for setting up of such projects.*	*The industry is located in designated industrial area as per the provisions of the notified Master Plan of Dera Bassi, however, many a residential projects which are either already constructed/ occupied or are under construction are located within the 500 m radius of the industry. Although, the industry is meeting with the prescribed criteria for setting up of such projects, however, it is recommendable that the industry shall provide appropriate green belt of broad leaf trees towards the construction projects.*

This is for your information and necessary action please."

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

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

1.	a) Category b) Activity (As per schedule appended to EIA Notification, 2006 as amended time to time)	B2 5(f)- 'Synthetic Organic Chemicals Industry' - API
2.	Whether the project falls in the critical polluted area notified by MoEF&CC /CPCB. (Yes/No) 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)	No. The project does not fall in the critical polluted area notified by MoEF&CC/CPCB. The nearest critically polluted area is Ludhiana which is not within the district or neighbouring district.

<table>
<tr><td>3.</td><td>Total Project Cost (In Crores):

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): Total estimated cost of the unit is Rs. 33.64 crores; out of which, existing project cost is Rs. 28.64 crores.
(b) Total project cost breakup is given below:
<table>
<tr><th>S.No</th><th>Description</th><th>Existing (Rs. In Crores)</th><th>Proposed (Rs. in Crores)</th><th>Total Cost (Rs. in Crores)</th></tr>
<tr><td>1.</td><td>Cost of Land at current price level</td><td>3.06</td><td>-</td><td>3.06</td></tr>
<tr><td>2.</td><td>Building</td><td>2.43</td><td></td><td>2.43</td></tr>
<tr><td>3.</td><td>Plant & Machinery</td><td>21.58</td><td>5</td><td>26.58</td></tr>
<tr><td>4</td><td>Others</td><td>1.56</td><td>-</td><td>1.56</td></tr>
<tr><td colspan="2">Total</td><td>28.64</td><td>5</td><td>33.64</td></tr>
</table></td></tr>
<tr><td>4.</td><td>Amount of EC Processing Fee deposited by NEFT/DD (Rs. In Lacs)</td><td>As per Notification No. 10/167/2013-STE(5)/1510178/1 dated 27.06.2019; Rs. 10,000 per crore of additional project cost needs to be paid as application processing fees. Thus, amount of Rs. 50,000/- (as additional project cost is Rs. 5 Crores) has been submitted vide UTR No. IBKL210326875711 dated 26/03/2021 through NEFT.</td></tr>
<tr><td>5.</td><td>Details of technology proposed for control of emissions & effluents generated from project</td><td>
<table>
<tr><th>S. No.</th><th>Details of proposed APCD/STP /ETP/ ZLD/ Continuous online monitoring system</th><th>Technology to be adopted by new unit/After expansion</th><th>Capacity of proposed technology</th></tr>
<tr><td>1</td><td>APCD</td><td>Dust Collector followed by Wet Scrubber</td><td>-</td></tr>
<tr><td>2</td><td>ETP</td><td>Existing ETP</td><td>50 KLD capacity</td></tr>
</table></td></tr>
</table>

<table>
<tr><td></td><td></td><td>
<table>
<tr><td>3</td><td>Thermal Evaporator</td><td>-</td><td>Existing 10 KLD; After expansion 16 KLD</td></tr>
<tr><td>4</td><td>Continuous online emission/effluent monitoring system</td><td>Installed</td><td>…….</td></tr>
</table>
</td><td></td></tr>
<tr><td>6.</td><td>Plot Area Details</td><td>
<table>
<tr><th>S. No.</th><th>Details</th><th>Area</th></tr>
<tr><td>1.</td><td>Total Land Area</td><td>9,699.27 sq.m.</td></tr>
<tr><td>2.</td><td>Total Covered Area</td><td>2,462.56 sq. m.</td></tr>
<tr><td>3.</td><td>Green Area (@ 25%)</td><td>2,400.34 sq. m.</td></tr>
<tr><td>4.</td><td>Roads & Other Area</td><td>4,836.37 sq. m.</td></tr>
</table>
</td></tr>
<tr><td>7.</td><td>Type of project land as per master plan (Industrial/ Agriculture/ Any other), 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 colspan="2">Project falls in Industrial Focal point, Derabassi of PSIEC.</td></tr>
<tr><td>8.</td><td>Details of Consent to Establish/No Objection Certificate and Consent to Operate (in case of units operating prior to EIA Notification 2006, CTE and CTO of FY 2005-2006) obtained from the SPCB</td><td colspan="2">Not applicable</td></tr>
<tr><td>9.</td><td>Details of valid consent to operate under Air & Water Act</td><td colspan="2">Air - CTOA/Renewal/SAS/2020/12684695
Date of issue : 13/07/2020</td></tr>
</table>

<table>
<tr><td></td><td></td><td>Date of expiry : 31/03/2021
Application for renewal is under process
Water- CTOW/Renewal/SAS/2020/12685008
Date of issue : 20/07/2020
Date of expiry : 31/03/2021
Application for renewal is under process</td></tr>
<tr><td>10</td><td>ToR compliance report (Submitted/ not submitted)</td><td>TOR is not applicable as project is being submitted in Cat. B2 project.</td></tr>
<tr><td>11</td><td>Compliance report of public hearing proceedings (Action Taken) submitted or not submitted</td><td>Public Hearing is not applicable as project is being submitted in Cat. B2 project.</td></tr>
<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.
Has the unit received any notice under the Section 5 of Environment (Protection) Act, 1986 or relevant Sections of Air and Water Acts? If so, details thereof and compliance/ATR to the notice(s) and present status of the case.</td><td>There is no litigation pending against the industry.</td></tr>
<tr><td>13</td><td>Raw material details:</td><td>The list of raw materials is mentioned in Pre-feasibility report.</td></tr>
<tr><td>14</td><td>Production Capacity details:</td><td>Current production: 160 Kg/day
Production after expansion: 217.27 kg/day.</td></tr>
<tr><td>15</td><td>Manpower requirement (After expansion)</td><td>150 persons. No additional workers are required for expansion.</td></tr>
<tr><td>16</td><td>Details of Emissions (After expansion)</td><td>
<table>
<tr><th>S. No.</th><th>Source</th><th>Capacity</th><th>Chimney Height from GL</th><th>APCD</th><th>Fuel Used</th></tr>
</table>
</td></tr>
</table>

		1.	Boiler	1.5 TPH	24 m	Wet scrubber	Agro based Briquettes
		2.	DG Set	1*500 KVA	9.2 m	-	H.S.D
		3.	DG Set	1*380 KVA	8.3 m	-	H.S.D
17.	Hazardous/Non-Hazardous Waste Generation details & their storage, utilization and its disposal. Copy of Agreement clearly mentioning the Quantity						

Category	**Name of Hazardous**	**Existing load of Hazardous waste**	**Proposed total load of Hazardous waste after Expansion**	**Mode of Disposal**
5.1	Used Oil	240 Lit/annum	1100 Lit / annum.	Sale to Recycler (Shiva Traders)
20.3	Distillation Residue	3660 Lit/ annum	329.83 kg / day	Send to Sister concern M/s Indswift Laboratories Limited for Incineration
28.1	Process Salt And Waste	163520 kg/annum	135.19 kg / day	Send to Sister concern M/s Indswift Laboratories Limited for Incineration
28.2	Spent Catalyst	-	5.37 kg / day	Send back to vendor for

						Reprocessing
		28.3	Spent Carbon	120 kg/ annum	2.84 kg / day	Send to Sister concern M/s Indswift Laboratories Limited for Incineration
		28.4	Off Specification Drugs	18 kg/ annum	2.0 kg / day	Send to Sister concern M/s Indswift Laboratories Limited for Incineration
		28.5	Date Of Expired Product	18 kg/ annum	2.0 kg / day	Send to Sister concern M/s Indswift Laboratories Limited for Incineration
		28.6	Spent Solvent	-	3080.97 kg / day	Sale to Approved Vender
		33.1	Liners	-	10 kg / day	Sale to Approved Vender (Surya Chemicals)
		33.1	Discarded Containers	8 Nos / Month	10 Nos. / day	Sale to Approved Vender (Surya Chemicals)

		35.3	Etp Sludge	3 kg/ day	35 kg / day	Send to Nimbua Greenfield (Punjab) Limited
		37.3	Evaporation Residue		687.03 kg / day	Send to Nimbua Greenfield (Punjab) Limited

18	Solid Waste generation and its mode of disposal:	**Details**	**Unit**	**Existing Qty**	**Proposed Quantity**	**Total Quantity after expansion**	**Disposal method**
		Domestic Solid Waste	Kg/ day	30 kg/day			Composting and to piggeries; for future Mechanical Composter
		Recyclable Paper	Kg/ month	25	75	100	waste is being sold to the local kabadis

19	Waste water generation & its disposal Arrangement in Operation Phase:	**Details**	**Existing Qty (KLD)**	**Proposed Quantity (KLD)**	**Total Quantity after expansion (KLD)**	**Treatment method**
		Low TDS Wastewater	13.7 KLD	31.3 KLD	45 KLD	Will be Treated in ETP of 50 KLD capacity. The treated waste water will be

<table>
<tr><td></td><td></td><td>
<table>
<tr><td></td><td></td><td></td><td></td><td>re-circulated in and cooling tower and for landscape purpose. However, approx. 0.27 acre of landscape area has been developed under Karnal Technology for discharging treated wastewater.</td></tr>
<tr><td>High TDS wastewater</td><td>10 KLD</td><td>6 KLD</td><td>16 KLD</td><td>Thermal evaporator of 16 KLD capacity will be provided for treatment of wastewater</td></tr>
</table>
</td></tr>
<tr><td>20</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>Non Notified area; Block- Derabassi</td></tr>
<tr><td>21</td><td>Breakup of Water Requirements & its source in Operation Phase:</td><td>
<table>
<tr><th>S. N</th><th>Description</th><th>Existing</th><th>Proposed</th><th>Total (After Expansion)</th></tr>
<tr><td>1.</td><td>Fresh Water Demand</td><td>28.3 KLD</td><td>16.7 KLD</td><td>45 KLD</td></tr>
<tr><td>2.</td><td>Source</td><td colspan="3">Borewell & PSIEC</td></tr>
<tr><td>3.</td><td>Wastewater generated</td><td>13.7 KLD</td><td>31.3 KLD</td><td>45 KLD</td></tr>
</table>
</td></tr>
</table>

<table>
<tr><td></td><td></td><td>
<table>
<tr><td>4.</td><td>ETP for low TDS wastewater</td><td colspan="3">ETP of 50 KLD</td></tr>
<tr><td>5.</td><td>Thermal Evaporator for high TDS wastewater</td><td>10 KLD</td><td>6 KLD</td><td>16 KLD</td></tr>
</table>

Sources of water:
<table>
<tr><th>S.No</th><th>Purposes</th><th>Source of water</th></tr>
<tr><td>1.</td><td>Domestic</td><td>Tubewells & PSIEC</td></tr>
<tr><td>2.</td><td>Make-up water demand for cooling</td><td>Tubewells & treated water</td></tr>
<tr><td>3.</td><td>Green area water demand</td><td>Treated water</td></tr>
</table>
</td></tr>
<tr><td>22</td><td>Water balance chart for Summer, Rainy and Winter seasons (Submitted/Not Submitted)</td><td>The water balance chart for 3 seasons i.e. Summer, Winter and Monsoon submitted along with application.</td></tr>
<tr><td>23</td><td>Rain Water utilization proposal during monsoons (Submitted/ Not Submitted)</td><td>Not submitted</td></tr>
<tr><td>24</td><td>Rain Water Harvesting proposal (within/outside premises) along with NOC from concerned village sarpanch (Submitted/Not Submitted)</td><td>The industry is planning to adopt pond for rainwater recharging.</td></tr>
<tr><td>25</td><td>Blockwise details of no. of trees to be planted in proposed greenbelt area (1500 Trees to be planted @ 10000 Sqm area):</td><td>
<table>
<tr><th>S. Nos.</th><th>Green Area (Sq.m.)</th><th>Existing Trees</th><th>Proposed Trees</th></tr>
<tr><td>A.</td><td>5.60</td><td>05</td><td>-</td></tr>
<tr><td>B.</td><td>482.58</td><td>99</td><td>-</td></tr>
<tr><td>C.</td><td>244.24</td><td>30</td><td>-</td></tr>
<tr><td>D.</td><td>59.66</td><td>21</td><td>-</td></tr>
<tr><td>E.</td><td>607.47</td><td>122</td><td>05</td></tr>
<tr><td>F.</td><td>14.59</td><td>04</td><td>32</td></tr>
<tr><td>G.</td><td>38.67</td><td>08</td><td>01</td></tr>
</table>
</td></tr>
</table>

<table>
<tr><td></td><td></td><td>
<table>
<tr><td>H.</td><td>41.20</td><td>08</td><td>01</td></tr>
<tr><td>I.</td><td>60.28</td><td>08</td><td>03</td></tr>
<tr><td>J.</td><td>57.47</td><td>04</td><td>-</td></tr>
<tr><td>K.</td><td>115.38</td><td>11</td><td>-</td></tr>
<tr><td>L.</td><td>438.66</td><td>41</td><td>07</td></tr>
<tr><td>M.</td><td>234.54</td><td>27</td><td>17</td></tr>
<tr><td></td><td>Total Green Area = 2400.34 Sq.m.</td><td>388</td><td>36</td></tr>
</table>
Total 2,400.34 sq.m. of green area has been provided within the industry. But 33 % area has not been earmarked for green area.
</td></tr>
<tr><td>26.</td><td>Energy requirements & savings:

Energy saving measures to be adopted within industry:</td><td>a. The details of the energy are given below:
<table>
<tr><th>S. No.</th><th>Description</th><th>Unit</th><th>Existing</th><th>Proposed</th><th>Total</th></tr>
<tr><td>1.</td><td>Power load</td><td>KW</td><td>1049</td><td>-</td><td>1049</td></tr>
<tr><td>2.</td><td>D.G sets</td><td>KVA</td><td>1 × 500 + 1 × 380</td><td>-</td><td>1 × 500 + 1 × 380</td></tr>
</table>
b. Details of Energy saving measures adopted within the industry is attached along with application.</td></tr>
</table>

<table>
<tr><td>27.</td><td>EMP Budget details

Details of Environment Management Cell (EMC) responsible for implementation of EMP</td><td>a. EMP budget details:
<table>
<tr><th>S. N</th><th>Environmental Protection Measures</th><th>Capital Cost Rs. Lakh</th><th>Recurring Cost Rs. Lakhs/ annum</th></tr>
<tr><td>1.</td><td>Air Pollution Control</td><td>4</td><td>1</td></tr>
<tr><td>2.</td><td>Water Pollution Control</td><td>35</td><td>2</td></tr>
<tr><td>3.</td><td>Landscaping</td><td>2</td><td>0.5</td></tr>
<tr><td>4.</td><td>Solid & Hazardous Waste Management</td><td>10</td><td>9.5</td></tr>
<tr><td>5.</td><td>Environment Monitoring & Management</td><td>11</td><td>4</td></tr>
<tr><td>6.</td><td>Occupational Health Surveillance</td><td>0</td><td>0.5</td></tr>
<tr><td>7.</td><td>Safety training to workers</td><td>0</td><td>0.25</td></tr>
<tr><td></td><td>Total</td><td>62</td><td>17.75</td></tr>
</table>
b. Details of Environment Management Cell (EMC) responsible for implementation of EMP.
Mr. Atul Kumar Chaubey, Vice President (HR & EHS) of M/s Essix Biosciences Limited is responsible for implementation of Environment Management Plan.</td></tr>
<tr><td>28.</td><td>Details of the activities proposed to be covered under CER be provided.</td><td>Mr. Atul Kumar Chaubey, Vice President (HR & EHS) of M/s Essix Biosciences Limited will be responsible for implementation of CER (Corporate Environment Responsibility). As per notification, CER is part of EMP only.</td></tr>
<tr><td>29.</td><td>Project area involves forest land, (Yes/No),
If yes, then details of the extent of area involved and copy of permission & approval for the use of forest land</td><td>No, industry falls in Industrial Focal Point of PSIEC, Derabassi.</td></tr>
</table>

SEAC raised following observations to the Project Proponent:

Sr. No.	Observations	Reply
1.	The Project Proponent is required to submit proper proposal for green belt development to the tune of 33% of the total project area.	The Project Proponent sought some time to submit reply in this regard.
2.	The Project Proponent is required to submit proposal for rainwater harvesting.	The Project Proponent sought some time to submit reply in this regard.

SEAC accepted the request of the Project Proponent and decided to defer the case till next meeting subject to submission of reply by it.

Item No. 199.10 Application for issuance of Environment Clearance under category- B2 for new API and intermediate Bulk Drug Pharmaceutical manufacturing unit by M/s Virat Life Sciences at Village Ranimajra, P.O. Lalru, Teshil Dera Bassi, SAS Nagar, Punjab.(Proposal No. SIA/PB/IND2/206464/2021).

The industry has applied for obtaining Environment Clearance for setting up of new API and intermediate Bulk Drug Pharmaceutical manufacturing unit @ 2450 Kg/day at Village Ranimajra, P.O. Lalru, Teshil Dera Bassi, SAS Nagar, Punjab. The industry has submitted all the requisite documents as per the EIA notification dated 14.09.2006 along with requisite fee of Rs. 1,40,200/- vide UTR No. BKIDN21082696159 dated 23.03.2021.

The project proponent has applied the application as B2 project in light of O.M dated 27.03.2020, 21.05.2020 & 15.10.2020, Since the project has applied for obtaining Environmental Clearance before 30.03.2021(on 28.03.2021), the project can be considered as B2 category project.

PPCB was requested to send the latest construction status report of the project through e-mail on 01.04.2021.

1.0 Deliberations during 199th meeting of SEAC held on 23.04.2021

The meeting was attended by the following:

1. Sh. Sital Singh, EIA Coordinator, M/s CPTL.
2. Suresh Kumar Pathak, Proprietor.

SEAC observed that Punjab Pollution Control Board vide letter no. 2021 dated 16.04.2021 sent the latest construction status report of the site and the contents of the report are given as under:

"*In connection to the above, it is submitted that the SEIAA has sent an e-mail to this office dated 01/04/2021 mentioning that the subject cited industry has applied for Environmental Clearance for setting up a new unit for manufacturing of API and bulk*

drugs located at Village Rani Majra, Lalru, Tehsil DeraBassi, District SAS Nagar and is proposing manufacturing of various category of Active Pharmaceuticals Ingredients' and bulk drugs (Sterile/ non-sterile) at the proposed project location. The proposed site of the subject cited project was visited by AEE of this office on 07/04/2021 and Sh. Vivek Saini, site in charge, was contacted at site.

The point wise reply of the comments sought by SEIAA from this office relating to the proposal of the subject cited industry, is given as under:

Sr. No.	***Report of point sought by SEIAA***	***Remarks***
A.	*Construction status of the proposal.*	*1. The site of the proposed unit is located in the revenue estate of Village Rani Majra, Lalru, Tehsil Derabassi, Distt. SAS Nagar.* *2. The GPS coordinates of the site are 30. 4612876, 76.8792367.* *3. There exists one shed of size approx. 300' x 30' and one guard room etc. within premises.* *4. The representative informed that the shed and other construction had existed at this site since long, as the site/ shed were earlier developed by M/s Veetrag Paper India Ltd., but the unit was not commissioned by them.* *5. The representative provided copy of the land registration deed executed between M/s Veetrag Paper India Ltd. and Smt. Radha Pathak & Sh. Suresh Kumar Pathak, wherein it has been mentioned regarding transfer of land measuring 7 Bigha, 18 Biswa being Khasra no. 240(4-12), 1507/239 (1-3) and 243 (3-18), 1506/239 (2-3), inclusive of building, machinery and rubble etc, as proof to its claim.* *6. The unit has constructed boundary wall around its proposed site.*

<table>
<tr><td></td><td></td><td colspan="2">7. No machinery has currently been installed at site.</td></tr>
<tr><td>B.</td><td>Status of physical structures within 500 m radius of the site including the status of industries, if any</td><td colspan="2">The following units are located within 500 m radius of the unit:
<table>
<tr><td>North Side</td><td>M/s Sugna food Pvt. Ltd. at 400-500 m, which is slaughter house unit. (operational)</td></tr>
<tr><td>North-East side</td><td>M/s Supreme Poultry form at 50 m, which is layered poultry farm unit. (operational)</td></tr>
<tr><td>South side</td><td>Good luck poultry farm adjoining boundary, which is layered poultry farm unit. (Non-operational)</td></tr>
<tr><td>South-west side</td><td>M/s Cadchem Laboratories Ltd. at 80 m on other side of drain, which is pharmaceutical unit. (Operational)
M/s Mirha Export Ltd. at 150-200 m on other side of drain, which is slaughter house unit. (operational)</td></tr>
<tr><td>West side</td><td>Labour Quarters, Primarily Labour related to M/s Mirha Export Ltd. unit, at a distance of around 300 m from the proposed site. (operational and occupied)</td></tr>
</table></td></tr>
</table>

		South-east side	*M/s Surya Chemicals Ltd. at 250-300 m, which is a authorized recycler of Hazardous waste category 33.1. (operational)*
C.	*Whether the site meets with the prescribed criteria for setting up of such projects.*	*The industry has mentioned in his project proposal given in the link mentioned in the e-mail of SEIAA dated 01.04.2021 i.e. "http://environmentclearance.nic.in/state/FB_ECGeneral_Report.aspx?pid=175422", that the proposed unit is to be established at Khasra Nos. 240(4-12), 1507/239 (1-3), 243 (3-18), 1506/239 (2-0) of village Rani Majra, Lalru, Tehsil Derabassi, Distt. SAS Nagar.* *In this regard, the GIS based Master Plan of Lalru available on the official website of PUDA i.e. www.puda.gov.in was perused and it was observed that the out of the said Khasra Nos., Khasra no. 239 & 240 are located partially in general industry zone and partially in proposed R-3 road area, Khasra no. 243 is located partially in general industry zone, partially in proposed R-3 road area and majorly under green belt area. (Sniping attached as **Annexure-A**) As per the provisions of the Master Plan of Lalru, all categories of industries are permissible for establishment in the general industry zone.* *Further, it is worth to mentioned here that no specific siting guidelines has been issued by the Board for Pharmaceutical units, however, the general siting guidelines are applicable on All Red/Orange/Green category of industries, which are to be established in the areas / Zone other than designated/approved areas such as*	

		Industrial Area/Industrial Estate/Industrial Focal Point/Approved Industrial Park/Industrial Zone of the statutory/non-statutory Master Plans, as per the policy of the Board dated 30.04.2013; according to which such units will be allowed to set up at a distance of 100m outside the Municipal Council limits/ phirni of village/ designated residential area /residential area comprising of 15 pucca houses by the Competent Authority of the State. In such cases, certificate of its location/situation from the nearest village lal lakir/ phirni/ MC limits from the Revenue Authorities such as Deputy Commissioner/ Additional Deputy Commissioner or the Sub-Divisional Magistrate will be required for grant of consent to establish (NOC)/ authorization by the Board. *The industry is required to get the certificate of its location/situation from the nearest village lal lakir/ phirni/ MC limits from the Revenue Authorities such as Deputy Commissioner/ Additional Deputy Commissioner or the Sub-Divisional Magistrate, however, it was noted during the site visit that the proposed site is located more than 100 m from the lal lakir/ Phirni of nearest village.* *Further, it is worth to mention here that the site of the unit is located very near to the bank of Basauli Choe.*

This is for information and further necessary action please."

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

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

<table>
<tr><td>1)</td><td>a) Category
b) Activity
(As per schedule appended to EIA Notification, 2006 as amended time to time)</td><td>B2

As per S.O. 1223(E) dated 27.03.2020 & S.O. 3636(E) dated 15.10.2020, "All proposals for projects or activities in respect of Active Pharmaceutical Ingredients (API) received up to the 30th March 2021, shall be appraised as Category 'B2'</td></tr>
<tr><td>2)</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>No

No</td></tr>
<tr><td>3)</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. 1401.58 lakhs

b. Total project cost breakup at current price level duly certified by Chartered Engineer/ Approved valuer or Chartered Accountant is following:
<table>
<tr><th>Description</th><th>Cost</th></tr>
<tr><td>Land</td><td>90 lakhs</td></tr>
<tr><td>Building</td><td>225.75 lakhs</td></tr>
<tr><td>Plant and machinery</td><td>930.50 lakhs</td></tr>
<tr><td>Miscellaneous</td><td>155.33 lakhs</td></tr>
<tr><td>TOTAL COST</td><td>1401.58 lakhs</td></tr>
</table></td></tr>
</table>

<table>
<tr><td>4)</td><td>Amount of EC Processing Fee deposited by NEFT/DD (Rs. In Lacs)</td><td>Rs 140200.00 have been transferred through NEFT by UTR no. NEFT BKIDN21082696159 Dated 23-03-2021.</td></tr>
<tr><td>5)</td><td>Details of technology proposed for control of emissions & effluents generated from project</td><td>
<table>
<tr><th>S.N.</th><th>PARTICULARS</th><th>APPROX. CAPITAL COST (Lakhs)</th></tr>
<tr><td>1.</td><td>Multi-Cyclone & Scrubbers</td><td>Rs 24.0</td></tr>
<tr><td>2.</td><td>MEE</td><td>Rs 50.00</td></tr>
<tr><td>3.</td><td>ETP</td><td>Rs 30.0</td></tr>
<tr><td>4.</td><td>Green Belt</td><td>Rs. 2.0</td></tr>
<tr><td colspan="2">Total</td><td>Rs. 106.0</td></tr>
</table>
</td></tr>
<tr><td>6)</td><td>Plot Area Details</td><td>Total Area – 2.31 Acres/ 10054.43 m^2
Green Area Development- 3285.69 m^2 (33% of total area)
Layout is attached at page no. 5 of PFR.</td></tr>
<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 the master plan of Lalru, it is identified as Industrial land.

It’s a new project. Application for CLU is submitted.</td></tr>
</table>

8)	Details of Consent to Establish/No Objection Certificate and Consent to Operate (in case of units operating prior to EIA Notification 2006, CTE and CTO of FY 2005-2006) obtained from the SPCB	Not Applicable
9)	ToR compliance report (Submitted/ not submitted)	NA. As it is a B2 project.
10)	Compliance report of public hearing proceedings (Action Taken) submitted or not submitted	NA. As it is a B2 project.
11)	c. Whether any litigation pending against the project or any direction/order passed by SPCB/ Court of Law against the project, if so, details there of shall also be included. d. Has the unit received any notice under the Section 5 of Environment (Protection) Act, 1986 or relevant Sections of Air and Water Acts? If so, details thereof and compliance/ATR to the notice(s) and present status of the case.	No litigation is pending. No
12)	Raw material details	Submitted

13)	Production Capacity details:	Submitted in the presentation and the PFR.
14)	Manpower requirement	Total Manpower -75
15)	Details of Emissions (After expansion)	During the manufacture various drugs products, traces Particulate matter, SOx, NOx, CO gas shall be generated. In order to control the emissions to be generated from multi cyclone and wet scrubbers has been installed.

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

S. N.	**Product**	**Unit**	**Disposable (HW Cat-28.1)**	**Incinerable (HW Cat-28.1)**	**Spent Carbon (HW Cat-28.3)**	**Proposed Disposal**
1	From Process	Ton/Annum	20.1	124.5	10.5	Common TSDF
2	Spent Oil (**HW Cat-5.1**)	Ltr. / Annum	450			Will be given to registered recyclers
3	Empty Containers **(HW Cat-33.1)**	No./ Annum	600			
4	Liners/Polythene Bags **(HW Cat-33.1)**	Kg/ Annum	500			
5	Filter Material (Centrifuge bags, sparkler filter pads, filter etc.) **(HW Cat-36.2)**	Kg/ Annum	600			Common TSDF

<table>
<tr><td>17)</td><td>Solid waste generation in Operation Phase:</td><td>Solid Waste:
The solid waste generated from the project will be in the form of:
1) Construction Phase:
Left over cement mortars, cement concrete blocks, aggregate, sand and other inorganic material will be recycled and reused as granular sub base (GSB) layer of pavement. Earth rendered surplus from the excavation will be utilized in the embankment works.
2) Operational Phase:
The waste generated from project is domestic and hazardous waste in nature.</td></tr>
<tr><td>18)</td><td>Details of the block in which the project site is located as per CGWA guideline (Notified/ Non-Notified area and name of block)</td><td>Derabassi Block Non-Notified, Over exploited</td></tr>
<tr><td>19)</td><td>Breakup of Water Requirements & its source in Operation Phase:</td><td>Water requirement
<table>
<tr><td></td><td>Requirement KLD</td><td>Generation KLD</td><td>Stream LTDS/ HTDS</td><td>Treatment</td></tr>
<tr><td>Process</td><td>14.5</td><td>13.5</td><td>HTDS</td><td>MEE-ATFD</td></tr>
<tr><td>Cooling</td><td>63</td><td>3</td><td>LTDS</td><td>ETP</td></tr>
<tr><td>Softener</td><td>1</td><td>1</td><td>LTDS</td><td>ETP</td></tr>
<tr><td>Boiler</td><td>15</td><td>1</td><td>LTDS</td><td>ETP</td></tr>
<tr><td colspan="5">Others</td></tr>
<tr><td>Equipment cleaning</td><td>1.5</td><td>1.5</td><td>LTDS</td><td>ETP</td></tr>
<tr><td>Floor Washing</td><td>1.5</td><td>1.5</td><td>LTDS</td><td>ETP</td></tr>
<tr><td>CIP Solvent Recovery</td><td>1</td><td>1</td><td>LTDS</td><td>ETP</td></tr>
<tr><td>Vacuum Pump</td><td>1</td><td>1</td><td>LTDS</td><td>ETP</td></tr>
</table></td></tr>
</table>

<table>
<tr><td></td><td></td><td>
<table>
<tr><td>Green Belt/Gardening</td><td>7</td><td>0</td><td>LTDS</td><td>ETP</td></tr>
<tr><td>Laboratory</td><td>0.5</td><td>0.5</td><td>LTDS</td><td>ETP</td></tr>
<tr><td>Domestic</td><td>4</td><td>3.2</td><td>LTDS</td><td>ETP</td></tr>
<tr><td>Total</td><td>110</td><td>27.2</td><td></td><td></td></tr>
</table>
</td></tr>
<tr><td>20)</td><td>Rain Water Harvesting proposal (within/outside premises) along with NOC from concerned village sarpanch (Submitted/Not Submitted)</td><td>Outside: - For RWH, one pond of Ranimajra villages is adopted. In the pond, total 48,000 Kl/annum water will be recharged. All the waste water of nearby said villages which will be directed towards the village ponds will be first treated in trenches through CSIR-NEERIs Phytorid waste water treatment technology and overflow water will be discharged into the pond. NOC for RWH from concerned Panchyat has been obtained.
Inside: - As per PPCB letter no.- EE(ZP-1)/2007/PTA/LM/124/10735 dated 05/09/2007 issued to industry, the pharma industry cannot be allowed to construct rain water harvesting system inside the premises.</td></tr>
<tr><td>21)</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>493 numbers of trees. The plantation will be done in phase wise manner in monsoon season of year 2021 and 2022.</td></tr>
<tr><td>22)</td><td>a. Energy requirements & savings:

b. Energy saving measures to be adopted within industry:</td><td>a. The details of the energy are given below:
<table>
<tr><th>S. No</th><th>Description</th><th>Unit</th><th>Consumption</th></tr>
<tr><td>1.</td><td>Power load</td><td>KW</td><td>500 KW</td></tr>
</table>
b. Energy saving measures to be adopted within industry:
Following Energy conservation methods shall be adopted:
i)20W LED shall be used for each 40 W tubes for inter lighting.</td></tr>
</table>

		ii) Outer street lighting shall be completely on solar energy: Likely saving of energy will be as follows: - **Load Distribution:** • Total Internal Lighting Load = 50 KW • Outer Lighting Load = 10 KW • Other Power load = 440 KW **Total Load = 500 KW** **Saving:** By using 20 W LED against 40 W tube lights (50%) =**25 KW** By using solar energy for outer Lighting (100%) = **10 KW** **TOTAL= 35 KW** Percentage (35/500X100) **= 7.0%**

23) a. EMP Budget details

b. Details of Environment Management Cell (EMC) responsible for implementation of EMP

a. EMP budget details:

During Construction Phase

Sr.N	Particulars	Approx. Cost (Rs Lac)	Frequency)	Parameters Covered
1.	Ambient Air Monitoring	Rs 0.20	Every three Months	As per new notification
2.	Noise Level Monitoring	Rs 0.10	Every three months	24 Hrs. Noise Level
3.	Treated Effluent Monitoring	Rs 0.60	Every month	pH, TSS, TDS, COD, BOD, O/G, Phenolic Compound, Ammonical Nitrogen & Bio-assay
4.	Drinking water	Rs 1.20	Every month	All as per BIS standard

During Operational Phase

S. No.	Particulars	Approx. Capital Cost (Lakhs)	Approx. Recurring Cost Annually (Lakh)	Parameters Covered
1.	Multi-Cyclone & Scrubbers	Rs 24.0	Rs 0.5	SPM, Co2, No_x, And Acid Mist
2.	MEE	Rs 50.00	Rs 1.5	----

		4. ETP Rs 30.0 Rs 1.0 Ph, TSSs, TDS, Cod, Bod, O/G, Phenolic Compound, Ammonical Nitrogen & Bio-Assay 5. Green Belt Rs. 2.0 Rs.0.6 Saplings, Transportation, Fertilizers, Horticulturist Etc. **Total** **Rs. 106.0** **Rs 3.6** **----** b. Details of Environment Management Cell (EMC) responsible for implementation of EMP: Submitted. • Managing Director • Factory Manager or Operations Manager • Executive Environment • Officer environment
24)	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, Project area does not involve any forest land.

SEAC was satisfied with the presentation given by the Project Proponent and took the presentation on record.

After detailed deliberations, SEAC decided to award **'Silver Grading'** to the project proposal under category B2, Activity 5 (f) as per MOEF&CC OM dated 13.04.2020 and to forward the application to SEIAA with the recommendations to grant Environmental Clearance for new API and intermediate Bulk Drug Pharmaceutical manufacturing unit by M/s Virat Life Sciences at Village Ranimajra, P.O. Lalru, Teshil Dera Bassi, SAS Nagar, Punjab as per the details mentioned in the application & subsequent presentation /clarifications made by the project proponent & his consultant with 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 the necessary permission from the Central Ground Water Authority/ competent authority concerned, in case of drawl of ground water and also in case of drawl of surface water required for the project. In case of non- grant of permission by CGWA for ground water abstraction, the industry shall make alternative arrangements by using surface water or treated city sewage effluent after obtaining permission from competent authority.

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

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

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

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

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

II. Air quality monitoring and preservation

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

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

iii. The project proponent shall install a system to carryout Continuous Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM2.5 in reference to PM emission, and SO_2 and NO_x in reference to $S0_2$ and NO_x emissions) within and outside the plant area (at least at four locations one for small units) within and three outside the plant area at an angle of 120°each), covering upwind and downwind directions.

iv. To control source and the fugitive emissions, suitable pollution control devices shall be installed to meet the prescribed norms and/or the NAAQS. Sulphur content should not exceed 0.5% in the coal for use in coal fired boilers to control particulate emissions within permissible limits (as applicable). The gaseous emissions shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines.

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

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

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

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

ix. Ambient air & noise levels should conform to prescribed standards both during day and night. Incremental pollution loads on the ambient air quality, noise especially during worst noise generating activities, water quality and soil should be periodically monitored during construction phase as well as operation & entire life

phase as per the MoEF&CC guidelines, maintain the record for the same and all the mitigation measures should be taken to bring down the levels within the prescribed standards.

III. Water quality monitoring and preservation

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

ii. Low TDS effluent to the tune of 13.7 KLD will be generated from washing process, backwash from softener, blow down from cooling towers, boiler blow down etc. will be sent directly to ETP having capacity of 15 m^3/day capacity. High TDS effluent form process to the tune of 17.2 KLD will be sent to Multiple Effect Evaporator having a capacity of 1 KL/Hr. The concentrate of the MEE will be sent to ATFD having capacity 75 kg/hr or any other robust system based on State-of-the Art Technology will be adopted to handle the concentrate of MEE. Total 30 KLD water will be reused.

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

iv. Total fresh water requirement shall not exceed the 110 KLD. Prior permission shall be obtained from the concerned regulatory authority/CGWA in this regard.

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

vi. The Company shall store the rainwater from the roof tops of the buildings and utilize the same for different industrial operations within the plant.

vii. Water demand during construction should be reduced by use of ready mixed concrete, curing agents and other best practices.

viii. Provide electromagnetic flow meter at intake of water supply from the at the borewell for abstraction of ground water if any, outlet of the ETP/STP and any pipeline to be used for re-using the treated wastewater back into the system and for horticulture purpose/green belt etc.

ix. A proper record regarding groundwater abstraction, water consumption, its reuse and disposal shall be maintained on daily basis and shall maintain a record of readings of each such meter on daily basis.

x. Fixtures for showers, toilet flushing and drinking should be of low flow either by use of aerators or pressure reducing devices or sensor-based control.

xi. Separation of drinking water supply, treated sewage supply and treated permeate line leading back to the process water should be done by the use of different colors.

IV. Noise monitoring and prevention

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

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

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

V. Energy Conservation measures

i. The energy sources for lighting purposes shall preferably be LED based.

ii. The project proponent shall make efforts to ensure the reduction of overall power demand which may be met by solar system including the provision of solar water heating or through any other innovative environment friendly techniques.

VI. Waste management

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

ii. Disposal of muck during construction phase should not create any adverse effect on the neighbouring communities and be disposed off after taking the necessary precautions for general safety and health aspects of people with the approval of competent authority. The project proponent will comply with the provisions of Construction & Demolition Waste Rules, 2016. Dust, smoke & debris prevention measures such as wheel washing, screens, barricading and debris chute shall be installed at the site during construction including plastic / tarpaulin sheet covers for trucks bringing in sand & material at the site.

iii. Construction spoils, including bituminous material and other hazardous material, must not be allowed to contaminate watercourses. The dump sites for such material must be secured, so that they should not leach into the groundwater.

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

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

vi. The Project proponent shall abide by the provisions of Solid Waste Management Rules, 2016 (amended from time to time), if applicable.

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

a. Metering and control of quantities of active ingredients to minimize waste.

b. Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.

c. Use of automated filling to minimize spillage.

d. Use of Close Feed system into batch reactors.

e. Venting equipment through vapour recovery system.

f. Use of high-pressure hoses for equipment clearing to reduce wastewater generation

VII. Green Belt

i. The green belt shall be developed in more than 33% of the total project area, mainly along the plant periphery, in downward wind direction, and along road sides etc. Selection of plant species shall be as per the CPCB guide lines in consultation with the State Forest Department. Total 494 trees to be planted in two phases without accounting the shrubs and protect the same with tree guard made of concrete. In Phase-I (June-2021), 247 number of trees will be planted. In Phase-II (June-2022), 247 number of trees will be planted.

VIII. Safety, Public hearing and Human health issues

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

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

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

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

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

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

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

viii. A first aid room will be provided in the project both during construction and operation phase of the project.

IX. 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 and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.

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

iii) Action plan for implementing EMP and environmental conditions along with the responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year-wise funds earmarked for environmental protection measures shall be kept in separate accounts and not to be diverted for any other purpose. The project proponent shall spend the minimum amount of Rs 106 Lacs towards the capital cost and Rs 3.60 Lacs/annum towards recurring cost in the operation phase of the project. The entire cost of the environmental management plan will continue to be borne by the project proponent until the responsibility of the environmental management plan is transferred to the occupier/residents society under proper MOU under intimation to SEIAA, Punjab. Year-wise progress of implementation of the action plan shall be reported to the Ministry/Regional Office along with the Six-monthly Compliance Report.

X Validity of Environmental Clearance.

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

XI. Miscellaneous

i. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department etc. shall be obtained, by project proponent from the competent authorities including Punjab Pollution Control Board and from other statutory bodies as applicable.

ii. In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by State Environment Impact Assessment Authority, Punjab.

iii. The environmental safeguards contained in the application of the promoter / mentioned during the presentation before State Level Environment Impact Assessment Authority/State Expert Appraisal Committee should be implemented in letter and spirit.

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

addition this shall also be displayed in the project proponent's website permanently.

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

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

vii. The project proponent shall monitor the criteria pollutants level namely; PM10, 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.

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

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

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

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

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

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

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

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

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

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

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

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

XI. ADDITIONAL CONDITIONS:

i. The Environmental Clearance is granted to the project subject to the condition that industry shall obtain change of land use for the industrial purposes and submit a copy of the same to SEIAA. In case, CLU has been rejected for industrial use for any reason, SEIAA will not be responsible for the cost incurred on the project.

ii. To achieve the Zero Liquid Discharge, waste water generated from different industrial operations should be properly collected, treated to the prescribed standards and then recycled or reused for the identified uses.

iii. The project proponent shall make necessary arrangements for the recovery and reuse of steam condensate resulting from the indirect steam applications and shall not allow to discharge such effluents into drain.

iv. The project proponent shall provide advanced scrubbing systems with proper neutralizing media to handle the acidic/alkaline emissions from storage, handling & processing activities. Wherever required, packed bed scrubbers will also be

provided. The suction and scrubbing systems shall also be designed to handle the inherent odours from such units.

v. The project proponent shall provide the Air Pollution Control Devices as proposed by the PPCB to control the emissions generated from the boiler within the prescribed parameter.

vi. The project proponent shall practice rainwater harvesting to maximum possible extent. For this village ponds located at Village- Rani Majra, Tehsil Dera Bassi, District SAS Nagar shall be adopted for desilting to recharge the rainwater. Pond water will percolate through natural strata (without injection) to augment the ground water and remaining water shall be used for irrigation purposes by pumping method in the nearby fields.

Item No. 199.11 Application for issuance of ToRs for manufacturing of 1,22,500 TPA of Alloys/Non- Alloys Steel Billets/Ingots/Round, Square, Bars, Flats and angles by replacing existing furnace with 25 TPH induction furnace, Concast and Rolling Mill at Village Ambey Majra, Mandigobindgarh, District Fatehgarh Sahib, Punjab by M/s Surya Steel Industries. (Proposal No. SIA/PB/IND/62505/2021).

1.0 Background

The project proponent has applied for issuance of TORs for manufacturing of 1,22,500 TPA of Alloys/Non- Alloys Steel Billets/Ingots/Round, Square, Bars, Flats and angles by replacing existing furnace with 25 TPH induction furnace, Concast and Rolling Mill at Village Ambey Majra, Mandigobingarh, District Fatehgarh Sahib, Punjab. Project is covered under Activity 3(a) & Category 'B1' as per EIA notification-2006.

1. The project proponent submitted the Form I, Pre-feasibility report and other additional documents on online portal. He has also deposited the requisite fee of Rs. 34,450/- through NEFT No. N099211470162395 dated 09.04.2021 & Rs. 35,000/- through NEFT No. N09621146449661 dated 06.04.2021. The Project Proponent has deposited 25% of the total fee prescribed for the Environmental Clearance being at ToR stage and the balance 75% of the fee i.e. Rs. 2,08,350/- will be paid at the time of applying for Environmental Clearance.
2. The project proponent during the presentation to the committee be ask to present the applicability of General Condition, suitability of site, land details etc.

2.0 Deliberations during 199th meeting of SEAC held on 23.04.2021

The meeting was attended by Sh. Sital Singh, EIA Coordinator, M/s CPTL behalf of Project Proponent.

SEAC observed that since the Project Proponent had given an undertaking to the effect that no construction activity relating to the expansion proposal was started. Since the project was at the stage of issuance of ToR, the latest construction status report from

Punjab Pollution Control Board be obtained from the Project Proponent at the time of obtaining Environmental Clearance.

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

1.	In case of expansion projects, whether granted EC earlier, if Yes, then provide its details	It is an expansion project. But due to existing capacity of 29,400 TPA, earlier EC was not required.
2.	Nature of project (Fresh EC/EC for Expansion/New)	Fresh EC
3.	a) Category b) Activity (As per schedule appended to EIA Notification, 2006 as amended time to time.)	(a) B1 (b) Metallurgical Industries (ferrous &non ferrous) (8), Schedule 3(a) as per EIA notification-2006.
4.	Whether project falls within 5km from the boundary of critically polluted area (Yes/No)	No
5.	Details of Consent to operate under (Air/Water Act) of existing project	Consent to operate under (Air/Water Act) has been obtained from PPCB.
6.	Existing production Capacity (TPA)	Steel Billet/Ingots/Hand tool/Flats/Industrial Rounds- 29,400 TPA
7.	Details TOR processing fee submitted (25% of the total project cost)	An amount of Rs. 35,000/- submitted on dated 06.04.2021 through NEFT no.- N09621146449661 and and amount of Rs. 34,450/- dated 09/04/2021 through NEFT no.- N099211470162395
8.	Undertaking to reflect that project is neither located near to PLPA area nor fall in the PLPA area	The project site is neither located near to PLPA area nor fall in PLPA area.
9.	Classification/Land use pattern as per Master Plan	The site falls in Medium & heavy Industry zone as per master plan of Mandi Gobindgarh (2010-2031)

10	Details proof of land including Khasra no.	Total land area is 14422$m^{2.}$ Khasra deatils are- 2/2 (1-5,3/2), (3-10), 8/1 (7-4), 9(7-8), 13/2 (3-16), 6/2 (4-0), 1/2 (4-0), 9(8-0), 10(8-0), 12 (8-0)2/2 (1-5), 3/2/2 (5-10), 8/1 (7-4), 9(7-8), 13/2 (3-16)
11	Details of CLU certificate	Memo no.- 784 DTP(FGS)/NG-62 dated 02.07.2019. The site conforms for Industrial purposes.
12	Details of block as per CGWA guideline (Notified/ Non Notified area) in which project site is located	The project site falls in Sirhind Block which is non notified area as per CGWA guidelines.

13 Project Area Details:

S. No.	Details	Existing Land	Proposed Additional Land	Total land after Expansion
1.	Plot Area (in sqm)	14422	Nil	14422
2.	Current Price of land (Rs. in Crores)	0.24		

14 Total project cost breakup including cost of land, Building, Infrastructure, APCD and Plant & Machinery duly certified by Chartered Engineer/ Approved valuer or Chartered Accountant in the following format:

S. No.	Description	Existing (in Crores)	Proposed (in Crores)	Total Cost (in Crores)
1	Cost of Land	0.24	--	0.24
2	Building	1.03	--	1.03
3	APCD	0.24	1.00	1.24
3	Machinery	0.40	0.40	0.80
5	Others	12.27	13.00	25.2
Total		**13.78**	**14.00**	**27.78**

15 Raw Material requirement as per following format:

S. No.	**Raw Material name**	**Existing (TPD)**	**Proposed (TPD)**	**After Expansion (TPD)**
1.	MS Scrap, CI, Sponge Iron, Ferro alloys	90	292	382

<table>
<tr><td>16</td><td>Production Capacity as per following format :
<table>
<tr><th>S. No.</th><th>Product name</th><th>Existing (TPD)</th><th>Proposed (TPD)</th><th>After Expansion (TPD)</th></tr>
<tr><td>1.</td><td>Steel Billets/ Ingots Round, Square, Bars and flats</td><td>84</td><td>266</td><td>350</td></tr>
</table></td></tr>
<tr><td>17</td><td>Details of major productive machinery/plant
<table>
<tr><th>S. No.</th><th>Particulars</th><th>Existing</th><th>Proposed</th><th>After Expansion</th></tr>
<tr><td>1.</td><td>Induction Furnace, rolling mill (Hot/cold rolled) & CCM</td><td>1X7TPH (replaced), CONCAST and Rolling Mill</td><td>25 TPH Induction Furnace</td><td>25 TPH, CONCAST and upgradation of Rolling mill</td></tr>
</table></td></tr>
<tr><td>18</td><td>Status of Proposed ToRs</td><td>Standard TORs submitted.</td></tr>
</table>

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

3.0 Recommendations

After detailed deliberations, it was decided to categorize the project under Activity 3(a); B-1 with public consultation as required for the project. The baseline study shall be carried out by Environmental Consultant for one-month additional study with effect from date of application of ToRs (except monsoon season), which shall include at least five days of traffic study. The Committee approved the Terms of Reference for manufacturing of 1,22,500 TPA of Alloys/Non- Alloys Steel Billets/Ingots/Round, Square, Bars, Flats and angles by replacing existing furnace with 25 TPH induction furnace, Concast and Rolling Mill at village Ambey Majra, Mandigobindgarh, District Fatehgarh Sahib, Punjab for preparing Environmental Impact Assessment (EIA) report for the proposed project and recommended to SEIAA to issue the following TORs:

STANDARD TERMS OF REFERENCE

1) Executive Summary

Report in about 8-10 pages incorporating the following:

(i) Project name and location (Village, Distt., State, Industrial Estate (if applicable)

(ii) Products and capacities. If expansion proposal, then existing products with capacities and reference to earlier EC.

(iii) Requirement of land, raw material, water, power, fuel, with source of supply (Quantitative)

(iv) Process description in brief, specifically indicating the gaseous emission, liquid effluent and solid and hazardous wastes.

(v) Measures for mitigating the impact on the environment and mode of discharge or disposal.

(vi) Capital cost of the project, estimated time of completion

(vii) Site selected for the project - Nature of land - Agricultural (single/double crop), barren, Govt./private land, status of is acquisition, nearby (in 2-3 km.) water body, population, within 10 km other industries, forest, eco-sensitive zones, accessibility, (note - in case of industrial estate this information may not be necessary)

(viii) Baseline environmental data - air quality, surface and groundwater quality, soil characteristic, flora and fauna, socio-economic condition of the nearby population Identification of hazards in handling, processing and storage of hazardous material and safety system provided to mitigate the risk.

(ix) Identification of hazards in handling, processing and storage of hazardous material and safety system provided to mitigate the risk

(x) Likely impact of the project on air, water, land, flora-fauna and nearby population

(xi) Emergency preparedness plan in case of natural or in plant emergencies

(xii) Issues raised during public hearing (if applicable) and response given

(xiii) CSR/CER plan with proposed expenditure.

(xiv) Occupational Health Measures

(xv) Post Project monitoring plan

(xvi) Synopsis of the project (as available on web site i.e. www.pbdecc.gov.in)

2) Introduction

(i) Details of the EIA Consultant including NABET accreditation

(ii) Information about the project proponent

(iii) Importance and benefits of the project

3) Project Description

(i) Cost of project and time of completion.

(ii) Products with capacities for the proposed project.

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

(iv) List of raw materials required and their source along with mode of transportation.

(v) Other chemicals and materials required with quantities and storage capacities.

(vi) Details of Emission, effluents, hazardous waste generation and their management.

(vii) Requirement of water (breakup for induction and rolling mill), power, with source of supply, status of approval, water balance diagram, man-power requirement (regular and contract).

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

(ix) Hazard identification and details of proposed safety systems.

(x) In case of Expansion/modernization proposals:

c) Status of compliance of Consent to Operate for the ongoing /existing operation of the project from SPCB shall be attached with the EIA-EMP report.

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

4) Site Details

(i) Location of the project site covering village, Taluka / Tehsil, District and State, Justification for selecting the site, whether other sites were considered. Copy of Master Plan indicating a land use pattern of the site is in conformity of proposals of Master Plan shall be attached with EIA report.

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

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

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

(v) Google map-Earth downloaded of the project site

(vi) Layout maps indicating existing unit as well as proposed unit indicating storage area of raw material, finished products, greenbelt area with marking of tree, Location of STP/ETP, Solid waste storage area, Parking space, Firefighting equipment layout, First aid room, Location of Tube wells, DG Sets & Transformers and any other utilities

(vii) If located within an Industrial area/Estate/Complex, layout of Industrial Area indicating location of unit within the Industrial area/Estate.

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

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

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

(xi) Geological features and Geo-hydrological status of the study area shall be included.

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

(xiii) Status of acquisition of land. lf acquisition is not complete, stage of the acquisition process and expected time of complete possession of the land.

(xiv) R&R details in respect of land in line with state Government policy

5) Forest and wildlife related issues (if applicable):

(i) Permission and approval for the use of forest land (forestry clearance), if any, and recommendations of the State Forest Department. (if applicable).

(ii) Land use map based on High resolution satellite imagery (OPS) of the proposed site delineating the forestland (in case of projects involving forest land more than 40 ha).

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

(iv) The projects to be located within 10 km of the National Parks, Sanctuaries, Biosphere Reserves, Migratory Corridors of Wild Animals, the project proponent shall submit the map duly authenticated by Chief Wildlife Warden

showing these features vis-a-vis the project location and the recommendations or comments of the Chief Wildlife Warden-thereon.

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

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

6) Environmental Status

(i) Determination of atmospheric inversion level at the project site and site specific micro-meteorological data using temperature, relative humidity, hourly wind speed and direction and rainfall.

(ii) AAQ data (except monsoon) at 8 locations for PM 10, PM2.5, S02, NOX, CO and other parameters relevant to the project shall be collected. The monitoring stations shall be based CPCB guidelines and take into account the pre dominant wind direction, population zone and sensitive receptors including reserved forests.

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

(iv) Surface water quality of nearby River (100m upstream and downstream) and other surface drains at eight locations as per CPCB/MoEF& CC guidelines.

(v) Whether the site falls near to polluted stretch of river identified by the CPCB/MoEF& CC.

(vi) Groundwater monitoring at minimum at 8 locations shall be included.

(vii) Noise levels monitoring at 8 locations within the study area.

(viii) Soil Characteristic as per CPCB guidelines.

(ix) Traffic feasibility / serviceability study for at least 5 days based on Indian Standard Codes. Further it shall also include the details of cross section of the

road on which industry is located, vehicles movement w.r.t. the industry, traffic load of other vehicles on the road incorporating the haulage time for the vehicles for loading/unloading within the premises and parking requirement to avoid the traffic congestions on the link and adjoining roads. Traffic study shall be conducted considering the traffic of the industries located in the vicinity.

(x) Detailed description of flora and fauna (terrestrial and aquatic) existing in the study area shall be given with special reference to rare, endemic and endangered species. If Schedule-I fauna are found within the study area, a Wildlife Conservation Plan shall be prepared and furnished.

(xi) Socio-economic status of the study area.

7) Impact Assessment and Environment Management Plan

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

(ii) Water Quality modelling.

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

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

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

(vi) Measures for fugitive emission control

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

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

(ix) Action plan for the green belt development in 33 % area with not less than 1,500 trees per hectares giving details of species, width of plantation, planting schedule, post plantation maintenance plan for 3 years shall be included. The green belt shall be around the boundary and a scheme for greening of the roads used for the project shall also be incorporated

(x) Action plan for rainwater harvesting measures at alternative sites shall be submitted to harvest rainwater from the roof tops and storm water drains to recharge the groundwater and also to use for the various activities to conserve freshwater and reduce the water requirement from other sources.

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

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

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

8) <u>Occupational health</u>

(i) Details of existing Occupational & Safety Hazards. What are the exposure levels of above-mentioned hazards and whether they are within the Permissible Exposure Level (PEL)? If these are not within PEL, what measures

the company has adopted to keep them within PEL so that the health of the workers can be preserved,

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

(iii) Annual report of the health status of workers with special reference to Occupational Health and Safety.

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

9) Corporate Environment Policy

(i) Does the company have a well laid down Environment Policy approved by its Board of Directors? If so, it may be detailed in the EIA report.

(ii) Does the Environment Policy prescribe for standard operating processes/procedures to bring into focus any infringement/deviation/violation of the environmental or forest norms/conditions? If so, it may be detailed in the EIA.

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

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

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

11) Enterprise Social Commitment (ESC)

(i) To address the Public Hearing issues, 2.5% of the total project cost of (Rs.___crores), amounting to Rs.___crores, shall be earmarked by the project proponent, towards Enterprise Social Commitment (ESC). Distinct ESC projects shall be carved out based on the local public hearing issues. Project estimate shall be prepared based on PWD schedule of rates for each distinct Item and schedule for time-bound action plan shall be prepared. These ESC projects as indicated by the project proponent shall be implemented along with the main project. Implementation of such program shall be ensured by constituting a Committee comprising of the project proponent, representatives of village Panchayat & District Administration. Action taken report in this regard shall be submitted to the Ministry's Regional Office. No free distribution/donations and or free camps shall be included in the above ESC budget

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

13) A tabular chart with index for points wise compliance of above TORs.

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

(i) Details of proposed layout clearly demarcating existing & proposed features of the project within the plant.

(ii) Total no. of furnaces & details including capacity of each furnace.

(iii) Detail of the mechanical shredder to reduce the size of the raw material.

(iv) Complete process flow diagram describing each unit, its processes, and operations, along with material and energy inputs and outputs (material and energy balance).

(v) Details on the design and manufacturing process for all the units.

(vi) Details on environmentally sound technologies for recycling of hazardous materials, as per CPCB Guidelines, may be mentioned in case of handling scrap and other ·recycled materials.

(vii) Details on the requirement of raw materials, its source, and storage at the plant.

(viii) Details on the requirement of energy and water along with its source and authorization from the concerned department. Location of water intake and outfall points (with coordinates).

(ix) Details on toxic metal content in the waste material and its composition and end-use (particularly of slag).

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

C. ADDITIONAL SPECIFIC TORS DECIDED DURING MEETING OF SEAC

1. Public consultation is required for the projects as not located in notified industrial parks/estates.
2. Submit proof of ownership of land (existing owner) such as copy of latest Jamabandi (not more than one month old) and credible document showing status of land acquisition w.r.t. project site as prescribed in OM dated 07.10.2014 issued by MoEF)
3. Submit dully filled prescribed field data sheets and analysis reports along with exact location of sampling / monitoring point marked on the layout map. Also submit the status of approvals of Laboratories.
4. Submit cost of the project duly certified by Chartered Engineer/ Approved valuer / Chartered Accountant. In the absence of above, the project proponent may submit self-certified detail of cost of the project mentioning the cost of Land, building, infrastructure and plant & machinery
5. Certificate from the concerned authority w.r.t the location of protected areas as notified under the Wildlife Protection Act, 1972 within 5 km radius from the boundary of the project site.

(ii) Certificate from the Department of Town & Country Planning or concerned authorities to support the claim made by project proponent that the project site is located in the industrial zone as per the provisions of Master Plan of

Town/City in the jurisdiction of which the project site is located or the project proponent shall submit the Change of land use of the project site for total land area.

6. Compliance of the siting criteria, standard operating practices, code of practice, and guidelines if any prescribed by the SPCB/CPCB/MoEF&CC for such type of units.

7. Necessary permissions from the Central Groundwater Authority (CGWA)/ State Groundwater Authority (SGWA)/concerned authority for the abstraction of groundwater for the existing requirements as well as for the expanded unit. In case of not allowing such permission by the concerned authority for the abstraction of additional groundwater for the expanded project, the project proponent shall propose alternative arrangements to meet out the additional water requirements. It shall be ensured that: -

    a) In the projects where groundwater is proposed as a water source, the project proponent shall apply to the Central Groundwater Authority (CGWA)/ State Groundwater Authority (SGWA), as the case may be, for obtaining No Objection Certificate (NOC) if applicable.

    b) Approval /permission of the CGWA/SGWA shall be obtained before drawing groundwater for the project activities.

    c) In the absence of approval, submit a copy of acknowledgment along with a set of application filed to CGWA /Competent Authority for obtaining permission for the abstraction of groundwater

8. Minimize the water consumption in the steel plant complex by segregation of used water, practicing cascade use and by recycling treated water.

9. STP for treatment of wastewater & re-utilization of the treated water for core/non-core activities so as to achieve the Zero Liquid Discharge Condition as per the III (iv) of OM dated 09/08/2018 issued by the MoEF&CC for such units.

10. Reuse of cooling tower blow down, simultaneously ensuring the standards prescribed for such purge waters. If required, necessary arrangements shall be made to keep this waste stream within the parameters required for reuse.

11. In case of any acid pickling activity, the spent acid/effluents generated from such activities shall be utilized through authorized re-processors for converting the same into useful by-products like $FeSO_4$ etc. An agreement to this effect shall be made with the authorized agencies.

12. Adequate area to be reserved and marked on the layout plan for the green belt as per the conditions laid down by the MoEF&CC as per the Standard EC Conditions prescribed for Induction/ Electric Arc Furnace & Rolling Mills circulated vide OM dated 09/08/2018.

13. Detailed study report along with calculation for reserving land for loading or unloading of raw material, products, slag, hazardous waste as well as for storage of these materials and the area to be reserved for parking incorporating the time required for loading and unloading of vehicles for respective activities and minimum/maximum period for which storage of the above material is required in the premises. The areas for the respective activities to be marked on the layout plan.

14. Action plan for the compliance of standard operating procedures and up-gradation of suction and treatment arrangement for the secondary emissions as prescribed by the State Pollution Control Board or by CPCB/MoEF&CC.

15. Compliance of standard operating procedures and up-gradation of suction/treatment systems for the control of secondary emissions within the time frame prescribed by the State Pollution Control Board. Similar action is to be implemented in the proposed expansion project.

16. Whole of the vehicle movement area as well as the approach road to the gate /weighing bridge shall be paved with pucca/metalled / cement concrete road to control the dust emissions expected from the vehicle movement.

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

18. Adopt green technologies to conserve the water and energy including shearing/cutting / bundling machines. Also, to provide abrasive resistant fire

bricks in the crucibles to reduce the periodic maintenance & disposal of discarded fire bricks.

19. Use of natural gas (if available) as substitute fuel wherever possible in the existing industry/ for the expansion project.

20. Submit compliance w.r.t. condition no.II [(i) & (iii)] subtitled as "Air Quality Monitoring & Preservation" regarding continuous emission monitoring system and continuous ambient air quality monitoring as prescribed in the Standard EC Conditions for Induction/ Electric Arc Furnace & Rolling Mills issued by the MoEF&CC, New Delhi vide OM dated 09/08/2018.

21. Examine and submit the proposal for: -

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

    e) Identify the areas for utilization of slag in a scientific manner and explore its usage in cement/construction industry/manufacturing of pavers & tiles/road laying etc.

    f) Recovery of precious metals like Zinc, lead and iron etc. from the APCD dust (Hazardous waste) through authorized re-processor.

22. Air Pollution Control Arrangement details shall be provided as below:

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

23. Submit compliance regarding the installation of Pulse jet bag filter with offline cleaning technology as APCD with the proposed induction furnace.

24. List the species with heavy foliage, broad leaves and wide canopy cover. The landscape planning should include plantation of native species. Water intensive and/or invasive species should not be used for landscaping

The following general points shall be noted:

(i) The EIA document shall be printed on both sides, as for as possible.

(ii) All documents shall be properly indexed, page numbered.

(iii) Period/date of data collection shall be clearly indicated.

(iv) The letter/application for environmental clearance shall quote the MOEF / SEIAA file No. and also attach a copy of the letter.

(v) The copy of the letter received from the Ministry / SEIAA shall be also attached as an annexure to the final EIA-EMP Report.

(vi) The index of the final EIA-EMP report must indicate the specific chapter and page no. of the EIA-EMP Report.

(vii) While preparing the EIA report, the instructions for the proponents and instructions for the consultants issued by MOEF vide notification dated 03.03.2016 which is available on the website of this Ministry shall also be followed.

(viii) The consultants involved in the preparation of EIA-EMP report after accreditation with Quality Council of India (QCI) /National Accreditation Board of Education and Training (NABET) would need to include a certificate in this regard in the EIA-EMP reports prepared by them and data provided by other organization/Laboratories including their status of approvals etc. Name of the Consultant and the Accreditation details shall be posted on the EIA-EMP Report as well as on the cover of the Hard Copy of the Presentation material for EC presentation.

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

Where the documents provided are in a language other than English, an English translation shall be provided. The draft EIA-EMP report shall be submitted to the State Pollution Control Board of the concerned State for the conduct of Public Hearing. The SPCB shall conduct the Public Hearing/public consultation, district-wise, as per the provisions of EIA notification,2006. The Public Hearing shall be chaired by an Officer, not below the rank of Additional District Magistrate. The issues raised in the Public Hearing and during the consultation process and the commitments made by the project proponent on the same shall be included separately in EIA-EMP Report in a separate chapter and summarized in a tabular chart with financial budget (capital and revenue) along with time-schedule of implementation for complying with the commitments made.

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

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

Item No. 199.12 Application for issuance of ToRs for expansion steel Billets/Ingots from 14,000 TPA to 1,81,300 TPA and Rolled/Flats from 24,500 TPA to 1,68,000 TPA by replacing existing 4 TPH induction furnaces with 7 TPH induction furnace and to install additional 2 no. induction furnaces of capacities 15 TPH each, Ladle Refining furnace (LRF) of 20 TPH capacity, Vacuum Degassing (VD), Concast and 1 no. Rolling Mill of capacity 20 TPH at Village Khingra Choe, Tehsil Bhogpur, District Jalandhar, Punjab by M/s K.J. International. (Proposal No. SIA/PB/IND/62559/2021).

1.0 Background

The project proponent has applied for issuance of ToRs for expansion steel Billets/Ingots from 14,000 TPA to 1,81,300 TPA and Rolled/Flats from 24,500 TPA to 1,68,000 TPA by replacing existing 4 TPH induction furnaces with 7 TPH induction furnace and to install additional 2 no. induction furnaces of capacities 15 TPH each, Ladle Refining furnace (LRF) of 20 TPH capacity, Vacuum Degassing (VD), Concast and 1 no. Rolling Mill of capacity 20 TPH at Village Khingra Choe, Tehsil Bhogpur, District Jalandhar, Punjab. Project is covered under Activity 3(a) & Category 'B1' as per EIA notification-2006.

1. The project proponent submitted the Form I, Pre-feasibility report and other additional documents on online portal. He has also deposited the requisite fee of Rs. 71,482/- through NEFT No. 0319220100000 dated 09.04.2021. The Project Proponent has deposited 25% of the total fee prescribed for the Environmental Clearance being at ToR stage and the balance 75% of the fee i.e. Rs. 2,14,444/- will be paid at the time of applying for Environmental Clearance.
2. The project proponent during the presentation to the committee be ask to present the applicability of General Condition, suitability of site, land details etc.

2.0 Deliberations during 199th meeting of SEAC held on 23.04.2021

The meeting was attended by the following:

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

2. Sh. Rajeev Kumar Sharma, authorized person on behalf of Project Proponent.

SEAC observed that since the Project Proponent had given an undertaking to the effect that no construction activity relating to the expansion proposal was started. Since the project was at the stage of issuance of ToR, the latest construction status report from Punjab Pollution Control Board be obtained at the time for obtaining Environmental Clearance.

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

Sr.N.	**Description**	**Details**
1.	In case of expansion projects, whether granted EC earlier, if Yes, then provide its details	It is an expansion project. But due to existing capacity of 14,000 TPA, earlier EC was not required.
2.	Nature of project (Fresh EC/EC for Expansion/New)	Fresh EC
3.	a) Category b) Activity (As per schedule appended to EIA Notification, 2006 as amended time to time.)	(a) B1 (b) Metallurgical Industries (ferrous &non ferrous) (8), Schedule 3(a) as per EIA notification-2006.
4.	Whether project falls within 5km from the boundary of critically polluted area (Yes/No)	No.
5.	Existing production Capacity (TPA)	Steel Billet/Ingots- 14000 TPA Rolled/Flat Products -24,500 TPA
6.	Details TOR processing fee submitted (25% of the total project cost)	An amount of Rs. 71,482/- submitted on dated 09.04.2021 through NEFT no.-0319220100000.
7.	Undertaking to reflect that project is neither located near to PLPA area nor fall in the PLPA area	The project site is neither located near to PLPA area nor fall in PLPA area.
8.	Classification/Land use pattern as per Master Plan	Memo no. 1722 DTP(J)/CLU-1 dated 25.05.2010. The site conforms for industrial uses.

<table>
<tr><td>9.</td><td>Copy of memorandum of Article & Association/ partnership deed/undertaking of sole proprietorship/ list of Directors and names of other persons responsible for managing day to day affairs of the project.</td><td>Partnership deed is provided.</td></tr>
<tr><td>10.</td><td>Details of CLU certificate</td><td>The Project Site falls in master plan (2009-2031) of Jalandhar district.</td></tr>
<tr><td>11.</td><td>Details of block as per CGWA guideline (Notified/ Non Notified area) in which project site is located</td><td>The project site falls in Bhogpur which is notified area as per CGWA guidelines.</td></tr>
<tr><td>12.</td><td colspan="2">Project Area Details:
<table>
<tr><td>S. No.</td><td>Details</td><td>Existing Land</td><td>Proposed Additional Land</td><td>Total land after Expansion</td></tr>
<tr><td>1.</td><td>Plot Area (in sqm)</td><td>32368</td><td>---</td><td>32368</td></tr>
<tr><td>2.</td><td>Current Price of land (Rs. in Crores)</td><td colspan="3">Lease land</td></tr>
</table></td></tr>
<tr><td>13.</td><td colspan="2">Total project cost breakup including cost of land, Building, Infrastructure, APCD and Plant & Machinery duly certified by Chartered Engineer/ Approved valuer or Chartered Accountant in the following format:
<table>
<tr><th>S.No.</th><th>DESCRIPTION</th><th>EXISTING COST
(Rs. in Lacs)</th><th>PROPOSED COST
(Rs. in Lacs)</th><th>TOTAL COST
(Rs. in Lacs)</th></tr>
<tr><td>1.</td><td>Land</td><td>50.00</td><td>Nil</td><td>50.00</td></tr>
<tr><td>2.</td><td>Building</td><td>200.00</td><td>100.00</td><td>300.00</td></tr>
<tr><td>3.</td><td>Machinery</td><td>675.25</td><td>1774.00</td><td>2449.25</td></tr>
<tr><td>4.</td><td>Others</td><td>40.00</td><td>20.00</td><td>60.00</td></tr>
<tr><td colspan="2">TOTAL</td><td>965.25</td><td>1894.00</td><td>2859.25</td></tr>
</table></td></tr>
</table>

14. Raw Material requirement as per following format:

S.No.	Raw Material name	Existing (TPD)	Proposed (TPD)	After Expansion (TPD)
1.	MS Scrap, CI, Sponge Iron, Ferro Alloys	15,400	1,81,800	1,97,200

15. Production Capacity as per following format :

Product Name	Existing (TPA)	Proposed (TPA)	Total (TPA)
Steel Billets/ Ingots	14,000	1,67,300	1,81,300
Rolled / Flats Products	24,500	1,43,500	1,68,000

16. Details of major productive machinery/plant

S.No.	Particulars	Existing	Proposed	After Expansion
1.	Induction Furnace	1X 4 TPH (to be replaced)	1X7 TPH 2X15 TPH	1X7 TPH 2X15 TPH
2.	Rolling Mill	1x10TPH	1x20 TPH	1x10TPH & 1x20 TPH
3.	Ladle Refining Furnace (LRF)	Nil	1x20 TPH	1x20 TPH
4.	Concast	Nil	01 No.	01 No.
5.	Vacuum Degassing (VD)	Nil	1 No.	1 No.

17. Status of Proposed ToRs — Standard TORs submitted.

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

3.0 Recommendations

After detailed deliberations, it was decided to categorize the project under Activity 3(a); B-1 with public consultation as required for the project. The baseline study shall be carried out by Environmental Consultant for one-month additional study with effect from date of application of ToRs (except monsoon season), which shall include at least five days of traffic study. The Committee approved the Terms of Reference for expansion steel Billets/Ingots from 14,000 TPA to 1,81,300 TPA and Rolled/Flats from 24,500 TPA to 1,68,000 TPA by replacing existing 4 TPH induction furnaces with 7 TPH induction furnace and to install additional 2 no. induction furnaces of capacities 15 TPH each, Ladle Refining furnace (LRF) of 20 TPH capacity, Vacuum Degassing (VD), Concast and 1 no. Rolling Mill of capacity 20 TPH at Village Khingra Choe, Tehsil Bhogpur, District Jalandhar, Punjab for preparing Environmental Impact Assessment (EIA) report for the proposed project and recommended to SEIAA to issue the following TORs:

STANDARD TERMS OF REFERENCE

1) Executive Summary

Report in about 8-10 pages incorporating the following:

(i) Project name and location (Village, Distt., State, Industrial Estate (if applicable)

(ii) Products and capacities. If expansion proposal, then existing products with capacities and reference to earlier EC.

(iii) Requirement of land, raw material, water, power, fuel, with source of supply (Quantitative)

(iv) Process description in brief, specifically indicating the gaseous emission, liquid effluent and solid and hazardous wastes.

(v) Measures for mitigating the impact on the environment and mode of discharge or disposal.

(vi) Capital cost of the project, estimated time of completion

(vii) Site selected for the project - Nature of land - Agricultural (single/double crop), barren, Govt./private land, status of is acquisition, nearby (in 2-3

km.) water body, population, within 10 km other industries, forest, eco-sensitive zones, accessibility, (note - in case of industrial estate this information may not be necessary)

(viii) Baseline environmental data - air quality, surface and groundwater quality, soil characteristic, flora and fauna, socio-economic condition of the nearby population Identification of hazards in handling, processing and storage of hazardous material and safety system provided to mitigate the risk.

(ix) Identification of hazards in handling, processing and storage of hazardous material and safety system provided to mitigate the risk

(x) Likely impact of the project on air, water, land, flora-fauna and nearby population

(xi) Emergency preparedness plan in case of natural or in plant emergencies

(xii) Issues raised during public hearing (if applicable) and response given

(xiii) CSR/CER plan with proposed expenditure.

(xiv) Occupational Health Measures

(xv) Post Project monitoring plan

(xvi) Synopsis of the project (as available on web site i.e. www.pbdecc.gov.in)

2) Introduction

(i) Details of the EIA Consultant including NABET accreditation

(ii) Information about the project proponent

(iii) Importance and benefits of the project

3) Project Description

(i) Cost of project and time of completion.

(ii) Products with capacities for the proposed project.

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

(iv) List of raw materials required and their source along with mode of transportation.

(v) Other chemicals and materials required with quantities and storage capacities.

(vi) Details of Emission, effluents, hazardous waste generation and their management.

(vii) Requirement of water (breakup for induction and rolling mill), power, with source of supply, status of approval, water balance diagram, man-power requirement (regular and contract).

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

(ix) Hazard identification and details of proposed safety systems.

(x) In case of Expansion/modernization proposals:

e) Status of compliance of Consent to Operate for the ongoing /existing operation of the project from SPCB shall be attached with the EIA-EMP report.

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

4) Site Details

(i) Location of the project site covering village, Taluka / Tehsil, District and State, Justification for selecting the site, whether other sites were considered. Copy of Master Plan indicating a land use pattern of the site is in conformity of proposals of Master Plan shall be attached with EIA report.

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

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

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

(v) Google map-Earth downloaded of the project site

(vi) Layout maps indicating existing unit as well as proposed unit indicating storage area of raw material, finished products, greenbelt area with marking of tree, Location of STP/ETP, Solid waste storage area, Parking space, Firefighting equipment layout, First aid room, Location of Tube wells, DG Sets & Transformers and any other utilities

(vii) If located within an Industrial area/Estate/Complex, layout of Industrial Area indicating location of unit within the Industrial area/Estate.

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

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

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

(xi) Geological features and Geo-hydrological status of the study area shall be included.

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

(xiii) Status of acquisition of land. lf acquisition is not complete, stage of the acquisition process and expected time of complete possession of the land.

(xiv) R&R details in respect of land in line with state Government policy

5) Forest and wildlife related issues (if applicable):

(i) Permission and approval for the use of forest land (forestry clearance), if any, and recommendations of the State Forest Department. (if applicable).

(ii) Land use map based on High resolution satellite imagery (OPS) of the proposed site delineating the forestland (in case of projects involving forest land more than 40 ha).

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

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

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

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

6) Environmental Status

(i) Determination of atmospheric inversion level at the project site and site specific micro-meteorological data using temperature, relative humidity, hourly wind speed and direction and rainfall.

(ii) AAQ data (except monsoon) at 8 locations for PM 10, PM2.5, S02, NOX, CO and other parameters relevant to the project shall be collected. The monitoring stations shall be based CPCB guidelines and take into account the pre dominant wind direction, population zone and sensitive receptors including reserved forests.

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

(iv) Surface water quality of nearby River (100m upstream and downstream) and other surface drains at eight locations as per CPCB/MoEF& CC guidelines.

(v) Whether the site falls near to polluted stretch of river identified by the CPCB/MoEF& CC.

(vi) Groundwater monitoring at minimum at 8 locations shall be included.

(vii) Noise levels monitoring at 8 locations within the study area.

(viii) Soil Characteristic as per CPCB guidelines.

(ix) Traffic feasibility / serviceability study for at least 5 days based on Indian Standard Codes. Further it shall also include the details of cross section of the road on which industry is located, vehicles movement w.r.t. the industry, traffic load of other vehicles on the road incorporating the haulage time for the vehicles for loading/unloading within the premises and parking requirement to avoid the traffic congestions on the link and adjoining roads. Traffic study shall be conducted considering the traffic of the industries located in the vicinity.

(x) Detailed description of flora and fauna (terrestrial and aquatic) existing in the study area shall be given with special reference to rare, endemic and endangered species. If Schedule-I fauna are found within the study area, a Wildlife Conservation Plan shall be prepared and furnished.

(xi) Socio-economic status of the study area.

7) <u>Impact Assessment and Environment Management Plan</u>

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

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

(ii) Water Quality modelling.

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

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

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

(vi) Measures for fugitive emission control

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

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

(ix) Action plan for the green belt development in 33 % area with not less than 1,500 trees per hectares giving details of species, width of plantation, planting schedule, post plantation maintenance plan for 3 years shall be included. The green belt shall be around the boundary and a scheme for greening of the roads used for the project shall also be incorporated

(x) Action plan for rainwater harvesting measures at alternative sites shall be submitted to harvest rainwater from the roof tops and storm water drains to

recharge the groundwater and also to use for the various activities to conserve freshwater and reduce the water requirement from other sources.

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

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

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

8) Occupational health

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

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

(iii) Annual report of the health status of workers with special reference to Occupational Health and Safety.

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

9) Corporate Environment Policy

(i) Does the company have a well laid down Environment Policy approved by its Board of Directors? If so, it may be detailed in the EIA report.

(ii) Does the Environment Policy prescribe for standard operating processes/procedures to bring into focus any infringement/deviation/violation

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

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

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

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

11) Enterprise Social Commitment (ESC)

(i) To address the Public Hearing issues, 2.5% of the total project cost of (Rs.___crores), amounting to Rs.___crores, shall be earmarked by the project proponent, towards Enterprise Social Commitment (ESC). Distinct ESC projects shall be carved out based on the local public hearing issues. Project estimate shall be prepared based on PWD schedule of rates for each distinct Item and schedule for time-bound action plan shall be prepared. These ESC projects as indicated by the project proponent shall be implemented along with the main project. Implementation of such program shall be ensured by constituting a Committee comprising of the project proponent, representatives of village Panchayat & District Administration. Action taken report in this regard shall be submitted to the Ministry's Regional Office. No free distribution/donations and or free camps shall be included in the above ESC budget

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

13) A tabular chart with index for points wise compliance of above TORs.

B. Standardised Specific Terms Of Reference For Eia Studies For Induction/ Arc Furnaces/Cupola Furnaces 5tph Or More

(i) Details of proposed layout clearly demarcating existing & proposed features of the project within the plant.

(ii) Total no. of furnaces & details including capacity of each furnace.

(iii) Detail of the mechanical shredder to reduce the size of the raw material.

(iv) Complete process flow diagram describing each unit, its processes, and operations, along with material and energy inputs and outputs (material and energy balance).

(v) Details on the design and manufacturing process for all the units.

(vi) Details on environmentally sound technologies for recycling of hazardous materials, as per CPCB Guidelines, may be mentioned in case of handling scrap and other ·recycled materials.

(vii) Details on the requirement of raw materials, its source, and storage at the plant.

(viii) Details on the requirement of energy and water along with its source and authorization from the concerned department. Location of water intake and outfall points (with coordinates).

(ix) Details on toxic metal content in the waste material and its composition and end-use (particularly of slag).

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

C. ADDITIONAL SPECIFIC TORS DECIDED DURING MEETING OF SEAC

1. Public consultation is required for the projects as not located in notified industrial parks/estates.

2. Submit proof of ownership of land (existing owner) such as copy of latest Jamabandi (not more than one month old) and credible document showing

status of land acquisition w.r.t. project site as prescribed in OM dated 07.10.2014 issued by MoEF)

3. Submit dully filled prescribed field data sheets and analysis reports along with exact location of sampling / monitoring point marked on the layout map. Also submit the status of approvals of Laboratories.

4. Submit cost of the project duly certified by Chartered Engineer/ Approved valuer / Chartered Accountant. In the absence of above, the project proponent may submit self-certified detail of cost of the project mentioning the cost of Land, building, infrastructure and plant & machinery

5. Certificate from the concerned authority w.r.t the location of protected areas as notified under the Wildlife Protection Act, 1972 within 5 km radius from the boundary of the project site.

(iii) Certificate from the Department of Town & Country Planning or concerned authorities to support the claim made by project proponent that the project site is located in the industrial zone as per the provisions of Master Plan of Town/City in the jurisdiction of which the project site is located or the project proponent shall submit the Change of land use of the project site for total land area.

6. Compliance of the siting criteria, standard operating practices, code of practice, and guidelines if any prescribed by the SPCB/CPCB/MoEF&CC for such type of units.

7. Necessary permissions from the Central Groundwater Authority (CGWA)/ State Groundwater Authority (SGWA)/concerned authority for the abstraction of groundwater for the existing requirements as well as for the expanded unit. In case of not allowing such permission by the concerned authority for the abstraction of additional groundwater for the expanded project, the project proponent shall propose alternative arrangements to meet out the additional water requirements. It shall be ensured that: -

    a) In the projects where groundwater is proposed as a water source, the project proponent shall apply to the Central Groundwater Authority

(CGWA)/ State Groundwater Authority (SGWA), as the case may be, for obtaining No Objection Certificate (NOC) if applicable.

b) Approval /permission of the CGWA/SGWA shall be obtained before drawing groundwater for the project activities.

c) In the absence of approval, submit a copy of acknowledgment along with a set of application filed to CGWA /Competent Authority for obtaining permission for the abstraction of groundwater

8. Minimize the water consumption in the steel plant complex by segregation of used water, practicing cascade use and by recycling treated water.

9. STP for treatment of wastewater & re-utilization of the treated water for core/non-core activities so as to achieve the Zero Liquid Discharge Condition as per the III (iv) of OM dated 09/08/2018 issued by the MoEF&CC for such units.

10. Reuse of cooling tower blow down, simultaneously ensuring the standards prescribed for such purge waters. If required, necessary arrangements shall be made to keep this waste stream within the parameters required for reuse.

11. In case of any acid pickling activity, the spent acid/effluents generated from such activities shall be utilized through authorized re-processors for converting the same into useful by-products like $FeSO_4$ etc. An agreement to this effect shall be made with the authorized agencies.

12. Adequate area to be reserved and marked on the layout plan for the green belt as per the conditions laid down by the MoEF&CC as per the Standard EC Conditions prescribed for Induction/ Electric Arc Furnace & Rolling Mills circulated vide OM dated 09/08/2018.

13. Detailed study report along with calculation for reserving land for loading or unloading of raw material, products, slag, hazardous waste as well as for storage of these materials and the area to be reserved for parking incorporating the time required for loading and unloading of vehicles for respective activities and minimum/maximum period for which storage of the above material is required in the premises. The areas for the respective activities to be marked on the layout plan.

14. Action plan for the compliance of standard operating procedures and up-gradation of suction and treatment arrangement for the secondary emissions as prescribed by the State Pollution Control Board or by CPCB/MoEF&CC.

15. Compliance of standard operating procedures and up-gradation of suction/treatment systems for the control of secondary emissions within the time frame prescribed by the State Pollution Control Board. Similar action is to be implemented in the proposed expansion project.

16. Whole of the vehicle movement area as well as the approach road to the gate /weighing bridge shall be paved with pucca/metalled / cement concrete road to control the dust emissions expected from the vehicle movement.

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

18. Adopt green technologies to conserve the water and energy including shearing/cutting / bundling machines. Also, to provide abrasive resistant fire bricks in the crucibles to reduce the periodic maintenance & disposal of discarded fire bricks.

19. Use of natural gas (if available) as substitute fuel wherever possible in the existing industry/ for the expansion project.

20. Submit compliance w.r.t. condition no.II [(i) & (iii)] subtitled as "Air Quality Monitoring & Preservation" regarding continuous emission monitoring system and continuous ambient air quality monitoring as prescribed in the Standard EC Conditions for Induction/ Electric Arc Furnace & Rolling Mills issued by the MoEF&CC, New Delhi vide OM dated 09/08/2018.

21. Examine and submit the proposal for: -

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

    h) Identify the areas for utilization of slag in a scientific manner and explore its usage in cement/construction industry/manufacturing of pavers & tiles/road laying etc.

i) Recovery of precious metals like Zinc, lead and iron etc. from the APCD dust (Hazardous waste) through authorized re-processor.

22. Air Pollution Control Arrangement details shall be provided as below:

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

23. Submit compliance regarding the installation of Pulse jet bag filter with offline cleaning technology as APCD with the proposed induction furnace.

24. List the species with heavy foliage, broad leaves and wide canopy cover. The landscape planning should include plantation of native species. Water intensive and/or invasive species should not be used for landscaping

The following general points shall be noted:

(i) The EIA document shall be printed on both sides, as for as possible.

(ii) All documents shall be properly indexed, page numbered.

(iii) Period/date of data collection shall be clearly indicated.

(iv) The letter/application for environmental clearance shall quote the MOEF / SEIAA file No. and also attach a copy of the letter.

(v) The copy of the letter received from the Ministry / SEIAA shall be also attached as an annexure to the final EIA-EMP Report.

(vi) The index of the final EIA-EMP report must indicate the specific chapter and page no. of the EIA-EMP Report.

(vii) While preparing the EIA report, the instructions for the proponents and instructions for the consultants issued by MOEF vide notification dated

03.03.2016 which is available on the website of this Ministry shall also be followed.

(viii) The consultants involved in the preparation of EIA-EMP report after accreditation with Quality Council of India (QCI) /National Accreditation Board of Education and Training (NABET) would need to include a certificate in this regard in the EIA-EMP reports prepared by them and data provided by other organization/Laboratories including their status of approvals etc. Name of the Consultant and the Accreditation details shall be posted on the EIA-EMP Report as well as on the cover of the Hard Copy of the Presentation material for EC presentation.

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

Where the documents provided are in a language other than English, an English translation shall be provided. The draft EIA-EMP report shall be submitted to the State Pollution Control Board of the concerned State for the conduct of Public Hearing. The SPCB shall conduct the Public Hearing/public consultation, district-wise, as per the provisions of EIA notification,2006. The Public Hearing shall be chaired by an Officer, not below the rank of Additional District Magistrate. The issues raised in the Public Hearing and during the consultation process and the commitments made by the project proponent on the same shall be included separately in EIA-EMP Report in a separate chapter and summarized in a tabular chart with financial budget (capital and revenue) along with time-schedule of implementation for complying with the commitments made.

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

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

Item No 199.13: Application for amendment in Environmental Clearance granted under EIA notification dated 14.09.2006 for the establishment of the Group Housing project namely "Sushma Prestine" at village- Chhat, Tehsil- Dera bassi, District- Mohali to M/s Dream city Realtors Pvt Ltd. (SIA/PB/MIS/198505/2021).

The project proponent was granted Environmental Clearance vide no. 1195 dated 07.09.2018 for establishment of the Group Housing project namely "Sushma Prestine" at village- Chhat, Tehsil- Dera bassi, District- Mohali.

Now, the project proponent has applied for obtaining amendment in the Environmental Clearance granted to it. The project proponent deposited the processing fee of Rs. 22,430/- through DD no. 019778 dated 09.04.2021. Details of the amendment sought are given as under:

Sr. No.	Description	Old Environment Clearance	Additional	Total
1.	Land	23530 Sqm	-76.63 Sqm	23435.37 Sqm
2.	Built up area	115679 Sqm	-11215 Sqm	104465 Sqm
3.	Green area	7620 Sqm	**-5226 Sqm**	2394 Sqm
4.	Domestic water required	206 KLD	-22 KLD	184 KLD
5.	Population	11538 Persons	-1279 Persons	10259 Persons
6.	Flushing	145 KLD	-17 KLD	128 KLD
7.	MSW	2307 Kg/day	-255 Kg/day	2052 Kg/day

1.0 Deliberations during 199th meeting of SEAC held on 23.04.2021

The meeting was attended by following:

1. Sh. Bhupinder Singh, representative of the Project Proponent and Sh. Deepak Gupta, Environmental Advisor of the Project Proponent.
2. Sh. Sital Singh, EIA Coordinator, M/s CPTL on behalf of Project Proponent.

The representative of the Project Proponent submitted that the Project Proponent was in process of revising the layout and requested to allow the Project Proponent to withdraw the application submitted for amendment. He further submitted that revised application would be filed after the finalization of the revised layout plan.

SEAC observed that since the Project Proponent has not finalized the layout plan of the project and thus at this stage it was not appropriate to consider his application for amendment of Environmental Clearance.

After detailed deliberations, SEAC decided to recommend SEIAA to allow the Project Proponent to withdraw the application for amendment in the Environmental Clearance granted vide no. 1195 dated 07.09.2018 for establishment of the Group Housing project namely "Sushma Prestine" at village- Chhat, Tehsil- Dera bassi, District- Mohali.