

**Proceedings of 183<sup>rd</sup> meeting of State Environment Impact Assessment Authority (SEIAA) held on 15.06.2021 in the Conference Hall no. 1 (Room No 311), 2<sup>nd</sup> Floor of MGSIPA at 10:30 AM, MGSIPA Complex, Sector-26, Chandigarh through Video Conference.**

The meeting was attended by the following members:

- 1) Sh. Hardeep Singh Gujral,  
Chairman, SEIAA
- 2) Sh. Charandeep Singh, PCS  
Member Secretary, SEIAA
- 3) Dr. Adarsh Pal Vig, Member SEIAA  
Professor & Director (HRDC-UGC),  
Department of Botanical & Environmental Sciences,  
Guru Nanak Dev University, Amritsar.

Er. Parveen Saluja Environmental Engineer SEIAA and Sh. Aushwinder Singh, Scientist-B along with other supporting staff also attended

**Item No. 01: Confirmation of the proceedings of 182<sup>nd</sup> meeting of State Environment Impact Assessment Authority (SEIAA) held on 24.05.2021.**

The proceedings of the 182<sup>nd</sup> meeting of State Environment Impact Assessment Authority (SEIAA) held on 24.05.2021 were circulated through E-mail on 31.05.2021. Since no observations have been received from any member of SEIAA, the Proceedings of the 182<sup>nd</sup> meeting as circulated stand confirmed.

**Item No. 02: Action taken on the proceedings of 181<sup>st</sup> and 182<sup>nd</sup> meeting of State Environment Impact Assessment Authority (SEIAA) held on 10.05.2021 and 24.05.2021 respectively.**

Action taken report (ATR) on the proceedings of 181<sup>st</sup> and 182<sup>nd</sup> meeting of State Environment Impact Assessment Authority (SEIAA) held on 10.05.2021 and 24.05.2021 respectively, were seen by SEIAA.

SEIAA directed that action on item no. 182.09 of 182<sup>nd</sup> meeting of SEIAA be completed after getting the compliance of the conditions recorded in the meeting from M/s JLPL and ATR of the same be placed in the next meeting of SEIAA scheduled on 28.06.2021.

**Item No. 183.01: Status of on-going Court Cases.**

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

Sr. No.	Name of the case/Industry	Year of filing the case	U/s/Act and Brief of Violation	Remarks (Interim orders of last hearing of court)	Present Status and next date of hearing
1	CWP no. 21351 of 2016 filed by M/s Janta Land Promoters Ltd. v/s Union of India & others	2016 SSTE, PPCB, SEAC & SEIAA have been impleaded as Respondent no. 2, 3, 4 & 5.	The project proponent has contended that Janta Land Promoter Ltd. has taken the Environmental Clearance for whole area which included their project site also. As such, the individual project does not require Environmental clearance.	Status report in the matter has already been filed by Reeta Kohli in the Hon'ble High court.	The case was listed on 24.05.2021 which is adjourned to <b>10.09.2021</b>
2	CWP no.21940 of 2018 titled as Sukhdev Singh & Others v/s State of Punjab & others	2018 SEIAA have been impleaded as Respondent no. 4	The petitioner has prayed about shifting of Solid Waste facility from the present venue i.e., Bhagtanwala to some other alternative site.	The reply has been filed on behalf of respondent no 4 i.e., SEIAA in the Hon'ble Court on 24.01.2020.	The case is listed on <b>12.08.2021</b>
3	CWP no.6777 of 2019 titled as Piyar Kaur & Another v/s Union of India & others filed	2019 SEIAA has been impleaded as Respondent 09.	The petitioner has prayed that he has been falsely implicated in the illegal mining case.  PPCB vide letter no. 19258 dated 28/06/2019	Earlier, the case was listed on 16.11.2019 and Sh. Sahil Sharma, Advocate appearing on behalf of SEIAA (Respondent No. 9)	The case is listed on <b>12.08.2021</b>

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	through Advocate Satinder Kaur in Hon'ble Punjab & Haryana High Court, Punjab		informed that Sh. Sahil Sharma, Advocate has been appointed to appear before the Hon'ble Court on behalf of SEIAA	submitted in the court that he does not want to file any reply as no prayer has been made against the SEIAA  Lastly, Listed on 16.03.2020	
4	Review Petition in CWP 27115 of 2019 CM 1234 of 2020 RA-CW- 31 of 2020 M/s Surya Land Promoters Pvt. Ltd. Vs Union of India &Ors.	2020	Review petition filed against the order of High court dated 25.09.2019	A review petition was filed by the SEIAA on 17.01.2020. Earlier, the case was listed on 24.03.2020	The case is listed on <b>10.08.2021</b>  MoEF&CC, RO Chandigarh was requested vide letter no. 3259 dated 05.11.2020 to send a copy of the reply file in the Hon'ble High Court.
5	CWP No 1483 of 2020 Jalandhar Human Welfare Society Vs State of Punjab	2020	Requested to cancel the Environmental Clearance.  SEIAA is one of the respondents i.e., Respondent no 6	Reply was filed on 12.03.2020 on behalf of SEIAA. The case was listed on 01.04.2020	The case was listed on 20.05.2021 and adjourned to <b>08.09.2021</b> .
6.	CWP 20853 of 2019 Premdeep Singh Shergil Vs State of Punjab & Others	2020	Copy of petition received  SEIAA is one of the respondents i.e., Respondent no 5	Mail received on 31.01.2020 Reply has been approved by SEIAA in its 162nd meeting held on 19.03.2020. However, the same has yet to be signed by MS(SEIAA)	The case was listed on 23.03.2021 and adjourned to <b>26.07.2021</b> . Notion of motion was received through Board vide letter No. 12431 dated 31.05.2021.  Reply has been filed in the month of August 2020.

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7	CWP 10239 of 2020 titled Rahul Pathania Vs UOI & others	2020	<p>The petitioner has laid challenge to the e-auction notice dated 30.05.2019 and prayer has been made for quashing environment clearance granted by SEIAA in its 155th Meeting</p> <p>SEIAA is one of the respondents i.e., Respondent no 4</p>	<p>Mail received on 01.08.2020 Reply has been approved by SEIAA in its 169th meeting held on 17.08.2020.</p>	<p>The case was listed on 27.01.2021 and adjourned to 07.04.2021. the next date is <b>not available</b> on the website.</p> <p>Reply was approved by SEIAA in its 169<sup>th</sup> meeting held on 28.08.2020. and the same has been filed in the Hon'ble High Court in the month of September.</p>
8	CWP 10339 of 2020 titled Rakesh Kumar Chowdhary Vs State of Punjab & Others	2020	<p>SEIAA is one of the respondents i.e., Respondent no 6</p> <p>The case is primarily related to the mining department. Sh. Suveer Sheokand has been engaged in the case vide letter no. 400 dated 20.10.2020. In the matter, date will be taken if needed</p>	<p>Hon'ble High Court vide order dated 28.08.2020 Ordered that on deposit of process fee, let notices be issued for service of respondent no.6 for 24.11.2020.</p>	<p>Lastly, the case was listed on 12.05.2021 and adjourned to <b>01.09.2021</b></p> <p>Reply in the matter has been filed.</p>
9	CWP 19435 of 2020-Gurjit Singh S/o Jit Singh Vs. UOI & Ors.	2020	<p>SEIAA is respondent no. 03. Copy of the Petition is yet to be received.</p>	<p>An email received on 04.11.2020 through Additional Director, DECC.</p>	<p>The case was listed along with CWP 2164 of 2020 on 15.01.2021 and adjourned to <b>13.08.2021</b></p>
10	CWP No. 10159 of 2021 titled Sudesh Kumari & Ors Vs State of Punjab & Ors.	2021	<p>SEIAA is respondent no. 04. Copy of the Petition is received on 04.06.2021 through PPCB</p>	<p>Case is placed at item No 183.11 of instant agenda ( 183<sup>rd</sup> meeting of SEIAA)</p>	<p>The case is listed on <b>02.07.2021</b></p>

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**Before Hon'ble NGT**

Sr. No.	Name of the case/Industry	Year of filing the case	U/s/Act and Brief of Violation	Remarks (Interim orders of last hearing of court)	Present Status and next date of hearing
1	OA No. 980/2019 titled as Harminder Singh & others. v/s Union of India & others	2019	NGT constituted a team in the matter	<p>Lastly listed on 06.12.2019.</p> <p>The report was filed on 05.12.2019 through email</p> <p>Detailed order passed on 03.03.2020</p>	<p>Case was listed on 20.05.2021 and adjourned to <b>02.07.2021</b></p> <p>A committee headed by Justice Jasbir Singh has been constituted and they visited the site on 15.03.2021</p>
2	OA No 125/2020 titled Kulwant Singh & Ors Vs UOI & Ors.	2020	The matter relates to the Talwandi Sabo Power Ltd. (TSPL), Mansa to pay environmental compensation for damage to the environment and the agricultural fields on account of unscientific management of the fly ash	<p>Hon'ble NGT, vide order dated 15.07.2020 constituted a joint Committee comprising CPCB, State PCB, SEIAA, Punjab and District Magistrate, Mansa.</p> <p>Dr. Sunil Mittal, Member SEIAA nominated in the committee constituted by Hon'ble NGT.</p>	<p>Case has been disposed of on 07.04.2021. The detailed order passed by the NGT is attached as Annexure-1. No direction has been given to the SEIAA, Punjab. However, certain directions have been given to CPCB, State PCB and District Magistrate Mansa.</p>

SEIAA noted the above and desired that requisite action should be taken to properly defend / take other appropriate measures in all pending cases.

After deliberation, SEIAA decided that updated status of court cases pending before various Hon'ble Courts be placed in next meeting of SEIAA.

**Item No. 183.02 : Complaint against the grant of Environmental Clearance to M/s Meridian  
Milieu Pvt. Ltd. submitted by M/s Rainbow Environments Pvt. Ltd.**

Facts of the matter are as under:

**1.0 Brief of the complaint**

M/s Rainbow Environments Pvt. Ltd., Mohali vide letter No. RE (C-22) 07 dated 07.04.2021 has submitted complaint regarding the grant of Environmental Clearance to M/s Meridian Milieu Pvt. Ltd. for setting up of a Common Bio-Medical Waste Treatment Facility at Nakodar against the provisions of CPCB guidelines, rules and circulars and requested to give an appointment for appearance before the Chairman of SEIAA.

Sh. Sarbjeet Singh, Director of M/s Rainbow Environments Pvt. Ltd., raised the following issues referring his letter no. RE (C-22) 06 dated 19.02.2021 and 23.05.2019:

- (i) State Pollution Control Board is required to conduct gap analysis with respect to the coverage area of Bio-Medical Waste generation and also projected over a period of next 10 years, adequacy of existing treatment capacity of the CBWTF in each coverage area of radius 75 km as prescribed in the revised guidelines. However, the same has not been carried out.
- (ii) Submission of gap analysis to MoEF&CC and CPCB, within six month which has not been submitted so far.
- (iii) Permission granted in spite of adequate treatment capacity still available in the area and almost every part of the State. Further, it was stated that there is a 75% un-utilized capacity in the State.
- (iv) In view of the above issues, it was requested that Environmental Clearance granted to the M/s Meridian Milieu Pvt. Ltd., for setting up a CBWTF at Nakodar may be cancelled as it has been obtained against the provision of rules and guidelines formed under the EPA Act.

**2.0 Background of the Case**

- i. Application for obtaining Environmental clearance under EIA notification dated 14.09.2006 for installation of Common Bio Medical Waste Treatment Facility in the revenue estate of Village Bir Pind, Tehsil Nakodar, District Jalandhar, Punjab by M/s Meridian Milieu Care Pvt. Ltd. (SIA/PB/MIS/35114/2018) was placed at item No. 152.10 of 152<sup>nd</sup> meeting of SEIAA held on 08.08.2019, wherein it was decided to accept the recommendations of SEAC and grant Environmental Clearance for establishment to the project. Accordingly, Environmental Clearance was granted to the promoter company vide letter no 848-856 dated 22/08/2019. The extract of the Minutes of the meeting of the item no. 152.10 was annexed as Annexure-3 of agenda.

- ii. From the perusal of said extract, it was observed that the complaint dated 23.05.2019 had already been considered by the SEAC in its 182<sup>nd</sup> meeting held on 03.08.2019. After deliberating the issue at length, SEAC recommended the case to SEIAA for grant of Environmental Clearance.
- iii. The complainant has conflict of interest with M/s Meridian Milieu Care Pvt. Ltd. He had also submitted application for issuance of TORs for carrying out EIA study for obtaining Environmental clearance under EIA notification dated 14.09.2006 for shifting and setting up of common Bio-Medical Waste Treatment Facility at Plot no. 8A, Industrial Focal Point Chanalon, Kurali, Distt. SAS Nagar, Punjab in the name and style "M/s Rainbow Environments Pvt. Ltd." bearing Proposal No. SIA/PB/MIS/29633/2018. The said application was placed at item No. 158.29 of 158<sup>th</sup> meeting of SEIAA held on 23.12.2019, wherein SEIAA decided to issue the Terms of Reference to the promoter company to carry out the EIA study. Accordingly, TORs have been issued vide letter no 1458-61 dated 03.02.2020. The complainant has yet to submit the application for obtaining Environmental Clearance.

### **3.0 Deliberations during 180<sup>th</sup> meeting of SEIAA held on 26.04.2021.**

The case was considered by SEIAA in its 180<sup>th</sup> meeting held on 26.04.2021 through Video Conference, which was attended by Sh. Sarbjeet Singh, Director, M/s Rainbow Environments Pvt. Ltd. on behalf of the promoter company.

Sh. Sarbjeet Singh, Director, M/s Rainbow Environments Pvt. Ltd., informed SEIAA that he had earlier submitted a complaint dated 27.05.2019 stating that Environmental Clearance should not be granted to M/s Meridian Milieu Pvt. Ltd. due to the following reasons:

- a) PPCB has not carried out the Gap analysis as per the Annexure I of revised Guidelines, 2016 issued by the CPCB for Common Bio-Medical Waste Treatment Facilities.
- b) PPCB has not submitted gap analysis to MoEF& CPCB within 6 months as per the revised guidelines.
- c) PPCB granted the permission inspite of adequate treatment capacity still available in the area and almost every part of the State. There is 75% unutilized capacity in the State.

He further stated that no information was given to him regarding the action taken on his complaint. Now, he has submitted a fresh complaint based on the earlier complaint with following additional points:

- (i) CPCB vide letter no. 31011/BMW(27.9)/2020/WMD-I/4813 dated 30.12.2020 with reference to the RTI application dated 09.12.2020 addressed to Sh. Vimal Sharma R/o E-204, Uninav Heights, Raj Nahar Ext., Ghaziabad, Uttar Pradesh has informed that CPCB has not received gap analysis report or any action plan for development of any new CBWTF for the State of Punjab.



- (ii) Member Secretary, CPCB has requested vide letter no. 18165-18223 dated 08.03.2018 to all States of SEIAA/SEAC to follow the criteria for setting-up of new CBWTF, as well as the provision for location and coverage of CBWTF as laid down under CPCB's revised guidelines for CBWTF before allowing new CBWTF so as to ensure proper treatment and disposal of Bio-Medical Waste.

Sh Sarbjeet Singh further informed that a CWP No. 21905-2020 (O&M) has been instituted by M/s Rainbow Environments Pvt. Ltd. Vs Punjab Pollution Control Board (PPCB), Patiala in the Hon'ble High Court of Punjab and Haryana, Chandigarh, against the Expression of Interest issued by PPCB for setting up 2 more CBWTFs in Punjab without conducting a gap analysis and following other procedures laid down by CPCB and the order dated 27.02.2020 passed by the Appellate Authority regarding area distribution amongst all CBWTFs. He stated that the Hon'ble Court was pleased to grant an interim stay on 18.12.2020 against finalization of EOI.

Further, in spite of the matter of area distribution by PPCB amongst CBWTFs being sub judice in the Hon'ble High Court, PPCB ordered fresh area redistribution on 22.02.2021 in which area was also allotted to M/s Meridian Milieu Care Pvt Ltd, even though it had yet to start operations. Sh Sarbjeet Singh submitted that they had to petition the Hon'ble High Court again against these orders by instituting CWP No 7249 of 2021 on 26.03.2021. In this petition, they had submitted that the Nakodar facility was set up without following the proper procedure and that the NOC given to it should be cancelled. Sh Sarbjeet Singh informed that the Hon'ble High Court was pleased to grant another stay against the operation of these orders too.

SEIAA observed as under :

- a) The two cases instituted by M/s Rainbow Environments Pvt Ltd against PPCB appear to be primarily related to the issuance of EOI for establishing additional CPWTFs and regarding the allocation of beds to the different CBWTFs.
- b) Environmental Clearance was granted to M/s Meridian Milieu Pvt. Ltd. after the issuance of expression of interest by the Punjab Pollution Control Board (PPCB).
- c) Grievances mentioned in the complaint dated 23.05.2019 were examined in depth by SEAC in its 182<sup>nd</sup> meeting held on 03.08.2019 which was also attended by specialized field expert nominated by the Member Secretary, PPCB. Subsequently, the grievances were also considered by SEIAA in its 152<sup>nd</sup> meeting held on 08.08.2020.

After providing full opportunity to Sh Sarbjeet Singh to present all his grievances and after detailed deliberations, SEIAA decided as under:

- (i) Though all proceedings of meetings held by SEIAA and SEAC Punjab are in public domain as they are regularly uploaded on the Parivesh website, keeping in view the submission of the complainant that he has not been informed regarding the

outcome of his earlier complaint, it was decided that relevant extract copies of the proceedings of the 152<sup>nd</sup> meeting of SEIAA held on 08.08.2019 and of the 182<sup>nd</sup> meeting of SEAC held on 03.08.2019 may be provided to the complainant for information by Environmental Engineer SEIAA.

- (ii) Complainant be requested to provide copies of the complaints made by in him in CWP No. 21905-2020 and CWP No 7249 of 2021 along with the stay orders stated to have been issued by the Hon'ble court in these cases for the examination of SEIAA. Upon receipt of these petitions and the orders of the Hon'ble court, the case be placed again in the next meeting of SEIAA for taking further necessary action in the matter.
- (iii) Member Secretary, PPCB be requested to provide copies of the replies filed in the CWP No. 21905-2020 and CWP No 7249 of 2021

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

- (i) Relevant extract copies have been sent to Complainant vide letter no. 4114 dated 11.05.2021. Further, complainant requested to provide copies of the complaints made by in him in CWP No. 21905-2020 and CWP No 7249 of 2021 vide 4114 dated 11.05.2021.
- (ii) Member Secretary, PPCB has been requested to provide copies of the replies filed in the CWP No. 21905-2020 and CWP No 7249 of 2021 vide letter 4113 dated 11.05.2021.

In reference to the SEIAA letter NO. 4114 dated 11.05.2021, M/s Rainbow Environments Pvt. Ltd. vide letter no. RE (C-22) 11 dated 25.05.2021 informed as under:

1. Please refer to para 7 of their letter No. RE (C-22) 10 dated 10.05.2021 submitted to the worthy Chairman SEIAA, Punjab in which they have explained how the Proponent M/s Meridian Milieu Pvt Ltd was not eligible as per Expression of Interest called by PPCB in 2014 for setting up CBWTFs.
2. The soft copies of CWPs bearing nos 21905 and 7249 filed by us in the Hon'ble High Court were submitted to SEIAA vide their emails dated 30.04.2021.
3. The copies of Stay orders in CWP 21905 and 7249 were also mailed to the SEIAA on 29.04.2021.
4. They have received the copies of proceedings of 152<sup>nd</sup> meeting of SEIAA held on 08.08.2019 and 182<sup>nd</sup> meeting of SEAC dated 03.08.2019 vide Member Secretary letter dated 11.05.2021.

However, they had downloaded the extract of proceedings of 182<sup>nd</sup> meeting of SEAC after their presentation of 26.04.2021 and accordingly they submitted their counter reply to PPCB officers reply to their complaint vide their letter No. RE (C-22) 10 dated 10.05.2021 to SEIAA. The counter reply may kindly consider while deciding the issues in their complaint.

5. The Environmental Clearance granted to M/s Meridian Milieu Care Pvt Ltd needs to be reconsidered inter-alia sub para (xi) of para X (Miscellaneous) of recommendations of SEAC vide item No 182.03 in it's meeting dated 03.08.2019 i.e.
- xi) Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.

Further, in reference to the SEIAA letter no. 4113 dated 11.05.2021, Member Secretary, PPCB vide letter No. 1454 dated 17.05.2021 send a copy of the reply filed in the CWP 21905-2020 before Hon'ble Punjab & Haryana High Court. The said reply has already been circulated vide email dated 07.06.2021 for the perusal. It was also informed that no reply has been filed in the CWP No. 7249 of 2021 by the Board.

#### **4.0 Deliberations during 183<sup>rd</sup> meeting of SEIAA held on 15.06.2021.**

The matter was considered by SEIAA in its 183<sup>rd</sup> meeting held on 15.06.2021. SEIAA perused the complainant's letter no. RE(C-22)-11 dated 25.05.2021, RE(C-22)-10 dated 10.05.2021, CWP 21905 of 2020, CWP 7249 of 2021 and reply filed by the PPCB in CWP 21905 of 2020. After careful scrutiny of all documents, it was observed as under:

- (i) The grievances of the complainant submitted through latest representation of RE(C-22)-11 dated 25.05.2021, RE(C-22)-10 dated 10.05.2021 are similar to the earlier representation submitted by him to SEIAA/SEAC on 03.08.2019. These grievances were considered by SEAC in its 182<sup>nd</sup> meeting held on 08.08.2019. After deliberating the issues at length SEAC recommended grant of Environmental Clearance to M/s Meridian Milieu Care Pvt. Ltd. After examination of the recommendations of SEAC, SEIAA had granted the Environmental Clearance to M/s Meridian Milieu Pvt. Care Ltd.
- (ii) No new facts have been presented before SEIAA by the complainant except attempting to refute the submissions made by PPCB before SEAC in its 182<sup>nd</sup> meeting held on 08.08.2019. All these submissions have also been made by the complainant in the Hon'ble High Court of Punjab and Haryana, Chandigarh, by way of filing CWP 21905 of 2020 and CWP 7249 of 2021. At present, both CWPs are pending before the Hon'ble High Court.

After carefully examining the entire matter, SEIAA came to the conclusion that the request of the complainant for cancellation of the Environmental Clearance granted to M/s Meridian Milieu Care Pvt. Ltd. for establishing a CBWTF is neither warranted nor in public interest for the following reasons and considerations:

- a) The complete process of operationalisation of a CBWTF facility from issuance of letter of intent by PPCB, shortlisting / selection of eligible firms, preparation / submission of EC application and its processing by SEAC, scrutiny and approval by SEIAA, establishing the facility on ground after meeting numerous other statutory regulations, distribution of areas and hospitals to CBWTF's etc. takes several years to complete.

Cancellation of EC on the basis of complaint made by a business competitor, after completion of all these stages is not warranted or justifiable especially since the allegations have already been examined in depth by SEAC on the basis of expert inputs provided by the PPCB. It was further noted that PPCB was, in fact, seeking to establish 2 additional CBWTFs in the State. Cancellation of the EC granted to an existing facility (M/s Meridian Milieu) may well adversely affect the short term and long-term plans of PPCB for safe disposal of biomedical waste resulting in increased environmental hazards in the State.

- b) The quantities of biomedical waste generated in Punjab have considerably increased due to Health Care emergency on account of Covid-19 pandemic. The possibility of more “waves” of the pandemic resulting in even further increase in biomedical waste generation cannot be ruled out. State of Punjab is also seeking to establish additional Health Care Facilities including a large Medicity in New Chandigarh (District SAS Nagar) which is scheduled to commence functioning in 2021 itself. The State would face serious environmental problems if the CBWTF's in operation were inadequate to handle the increased biomedical waste generation in the near future.
- c) The issues and allegations in the complaints have also been raised by the complainant in the Writ Petitions instituted by him in the Hon'ble High Court. Since the matter is presently sub-judice it would be appropriate to await the decisions of the Hon'ble High Court in these cases.

After detailed deliberations, SEIAA decided to defer the matter till final decisions in CWP No's 21905 of 2020 and 7249 of 2021 which are presently pending in the Hon'ble High Court of Punjab and Haryana at Chandigarh.

**Item No. 183.03: Original Application No. 360/2015 titled as National Green Tribunal Bar Association versus Virender Singh (State of Gujarat) and other connected matters.**

Facts of the matter are as under:

Member Secretary, PPCB vide endorsed number 12046-47 dated 25.05.2021 has sent a copy of the letter addresses to the Secretary to Government of Punjab, Department of Mines and Geology, Chandigarh attaching a copy of Hon'ble NGT order dated 26.02.2021 in OA No. 360/2015 and other related cases. The said letter has been forwarded to SEIAA for taking necessary action in the matter.

It is pertinent to mention here that the Hon'ble National Green Tribunal vide order dated 26.02.2021 has disposed of the subject cited Original Application and other connected matters from various States on the subject matter of updation of enforcement and monitoring mechanism to control and regulate illegal sand mining including river bed sand mining in the light of directions in the judgements of the Hon'ble Supreme Court. A copy of the said order was attached as Annexure-8 of the agenda.

**1.0 Deliberations during 183<sup>rd</sup> meeting of SEIAA held on 15.06.2021.**

The matter was considered by SEIAA in its 183<sup>rd</sup> meeting held on 15.06.2021, wherein SEIAA observed as under:

- l) Hon'ble NGT in the para no. 13 of the NGT order dated 26.02.2021 has prescribed the revised procedure for the preparation of District Survey Reports (DSRs) for sand mining. The relevant part of the said para is reproduced as under:
  - (ii) *“As the DEIAA is not functioning as a consequence of the decision of the Tribunal in Satendra Pandey (supra), the DSR shall be prepared through a consultant(s) accredited by the National Accreditation Board of Education and Training/ Quality Control Council of India in terms of O.M. of MoEF&CC dated 16.03.2010.*
  - (iii) *The DSR so prepared shall be submitted to the District Magistrate who shall verify the DSR only in respect of the relevant facts pertaining to the physical and geographical features of the district which shall be distinct from the scientific findings based on the parameters prescribed in the SSMMG- 2016. After such verification, the District Magistrate shall forward the DSR for examination and evaluation by the State Expert Appraisal Committee (SEAC) having regarding to the fact that the SEIAA comprises of technical/scientific experts. The SEAC after appraisal of the report shall forward it to the SEIAA for consideration and approval if it meets all scientific/technical requirements.*
  - (iv) *While preparing the DSR, the MoEF&CC Accredited Agency/Consultant shall scrupulously follow the procedure and the parameters laid down under the SSMMG- 2016 and EMGSM2020 read in sync with each other.”*

- II) Hon'ble NGT in the para no. 28 of its order dated 26.02.2021 has directed that a five-member committee headed and coordinate by SEIAA should be constituted for conducting the periodic inspection of Mining sites. The relevant part of the said para is reproduced as under:

*"28. We further direct that periodic inspection be conducted by a five-members Committee, headed and coordinated by the SEIAA and comprising CPCB (wherever it has regional office), State PCB and two expert members of SEAC dealing with the subject. Where CPCB regional office is not available, if MoEF&CC regional office is available, its Regional Officer will be included in the Committee.*

*Where neither CPCB nor MoEF & CC regional office exists, Chairman, SEIAA will tie up with the nearest institution of repute such as IIT to nominate an expert for being included in the Committee. Such inspection .....*"

As such, the committee members are required to be nominated by the MoEF&CC, Regional Office, Chandigarh, Punjab Pollution Control Board, Patiala, SEAC and SEIAA, Punjab in order to comply with the order of Hon'ble NGT.

After detailed deliberations, SEIAA decided as under:

- (i) Copies of the Hon'ble NGT orders dated 04.11.2020 and 26.02.2021 be sent to all the Deputy Commissioners of the State of Punjab with a request to submit the District Survey Reports (DSRs) which have not been approved by DEIAA prior to 04.11.2020 for examination and evaluation by the SEAC and obtaining subsequent approval from SEIAA at the earliest to avoid any delay in the process of obtaining Environmental Clearance by the various mining contractors to whom mining sites have been awarded/are to be awarded by the mining department. A copy of the letter to the DC's shall be endorsed to Secretary Mining and Secretary Science, Technology and Environment, Punjab, for information.
- (ii) Regional Office of the MOEF&CC Chandigarh, Punjab Pollution Control Board, Patiala and State Expert Appraisal Committee (SEAC), Punjab be requested to nominate their respective representative(s) for the aforementioned 5-member committee to be constituted for periodic inspection of Mining sites in compliance with the directions of Hon'ble NGT. A copy of Hon'ble NGT orders dated 26.02.2021 be also sent to Secretary Science, Technology and Environment and Director DECC, Punjab, for information.
- (iii) A special meeting of SEIAA with the Mining Department be convened urgently to assess the present status of DSRs and Mining Leases and to evaluate the current level of compliance with Hon'ble NGT orders dated 26.02.2021 including observance of SSMG 2016 and EMSGM 2020 Guidelines for the mining sector issued by the MOEF&CC.

**Item No. 183.04: Complaint regarding take immediate and stern action in view of the violation of Punjab Minor Mineral Rules, 2013 to restrain illegal mining taking place at the village Bhallmajra, near Chanarthal, a border village of district Fatehgarh Sahib, Punjab in joint connivance with local mining authorities of the district Fatehgarh Sahib and the State of Punjab.**

Facts of the matter are as under: -

It was apprised to SEIAA that subject cited complaint dated 06.05.2021 of native of the villages (Tohra, jindalpur, Tarkheri, Sohagri and Bhallmajra), has been forwarded by the Member Secretary, PPCB to SEIAA, Punjab for taking necessary action in the matter. A copy of the said complaint was annexed as Annexure-9 of agenda.

**1.0 Deliberations during 183<sup>rd</sup> meeting of SEIAA held on 15.06.2021.**

The matter was considered by SEIAA in its 183<sup>rd</sup> meeting held on 15.06.2021. SEIAA perused the complaint-cum-legal notice and observed that it relates to the alleged illegal mining being done in violation of the provision of Punjab Minor Minerals Rules, 2013 in Village Bhallmajra a border village of District Fatehgarh Sahib and Patiala. As such, said complaint relates to the Mining Department.

After deliberations, SEIAA decided to forward the complaint-cum-legal notice to the mining department for taking necessary action in the matter as per the provisions of Punjab Minor Minerals Rules, 2013.

**Item No. 183.05** 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).

Facts of the matter are as under: -

### 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, Mandigobindgarh, 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 199<sup>th</sup> 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



Proceedings of 183<sup>rd</sup> meeting of SEIAA  
held on 15.06.2021

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 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 14422m <sup>2</sup> . Khasra details 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	12.27	13.00	25.27
<b>Total</b>		<b>13.78</b>	<b>14.00</b>	<b>27.78</b>
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
16	Production Capacity as per following format:			
S. No.	Product name	Existing (TPD)	Proposed (TPD)	After Expansion (TPD)
1.	Steel Billets/ Ingots Round, Square, Bars and flats	84	266	350
17	Details of major productive machinery/plant			
S. No.	Particulars	Existing	Proposed	After Expansion
1.	Induction Furnace, rolling mill (Hot/cold rolled) & CCM	1X7TPH (replaced), CONCAST and Rolling Mill	25 TPH Induction Furnace	25 TPH, CONCAST and upgradation of Rolling mill
18	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 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, Mandi Gobindgarh, 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 its acquisition, nearby (in 2-3 km.) water body, population, within 10 km other industries, forest, eco-sensitive zones, accessibility, (note - in case of industrial estate this information may not be necessary)
- (viii) Baseline environmental data - air quality, surface and 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](http://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.
- (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. If 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, SO<sub>2</sub>, NO<sub>x</sub>, 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, \_\_\_\_% 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**

- i) Public consultation is required for the projects as it is not located in notified industrial parks/estates.
- ii) 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)
- iii) 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.
- iv) 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

- v) 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.
- vi) 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.
- vii) 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
- viii) Minimize the water consumption in the steel plant complex by segregation of used water, practicing cascade use and by recycling treated water.
- ix) 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.
- x) Reuse of cooling tower blow down, simultaneously ensuring the standards prescribed for such purge waters. If required, necessary arrangements shall be made to keep this waste stream within the parameters required for reuse.
- xi) 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<sub>4</sub> etc. An agreement to this effect shall be made with the authorized agencies.

- xii) 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.
- xiii) 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.
- xiv) 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.
- xv) 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.
- xvi) 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.
- xvii) 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.
- xviii) 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.
- xix) Use of natural gas (if available) as substitute fuel wherever possible in the existing industry/ for the expansion project.
- xx) 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.

- xxi) 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.

xxii) Air Pollution Control Arrangement details shall be provided as below:

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

- xxiii) Submit compliance regarding the installation of Pulse jet bag filter with offline cleaning technology as APCD with the proposed induction furnace.
- xxiv) 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 far as possible.
- (ii) All documents shall be properly indexed, page numbered.
- (iii) Period/date of data collection shall be clearly indicated.
- (iv) The letter/application for environmental clearance shall quote the MOEF / SEIAA file No. and also attach a copy of the letter.
- (v) The copy of the letter received from the Ministry / SEIAA shall be also attached as an annexure to the final EIA-EMP Report.
- (vi) The index of the final EIA-EMP report must indicate the specific chapter and page no. of the EIA-EMP Report.
- (vii) While preparing the EIA report, the instructions for the proponents and instructions for the consultants issued by MOEF vide notification dated

03.03.2016 which is available on the website of this Ministry shall also be followed.

- (viii) The consultants involved in the preparation of EIA-EMP report after accreditation with Quality Council of India (QCI) /National Accreditation Board of Education and Training (NABET) would need to include a certificate in this regard in the EIA-EMP reports prepared by them and data provided by other organization/Laboratories including their status of approvals etc. Name of the Consultant and the Accreditation details shall be posted on the EIA-EMP Report as well as on the cover of the Hard Copy of the Presentation material for EC presentation.

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.

#### **4.0 Deliberations during 181<sup>st</sup> meeting of SEIAA held on 10.05.2021.**

The case was considered by SEIAA in its 181<sup>st</sup> meeting held on 10.05.2021 through Video Conference which was attended by the Sh. Madhu Sood on behalf of Project Proponent and Sh. Sital Singh, Consultant CPTL.

SEIAA was apprised that the proposal of the project proponent was considered by SEAC in its 199<sup>th</sup> meeting held on 23.04.2021 without obtaining the construction status report from the

Punjab Pollution Control Board. In the past, as a policy, construction status report was being sought from the PPCB at the time of issuance of Terms of Reference. However, in the present case, SEAC has recommended the case for issuance of Terms of Reference on the basis of an undertaking submitted by the project proponent that no construction has been commenced in the expansion area.

SEIAA observed that construction status report was sought by SEAC for item no. 181.06 (M/s Madhav KRG HRC Pvt. Ltd.) of 181<sup>st</sup> meeting of SEIAA at the time of issuance of TOR whereas for item no. 181.11 (Present case) and item No 181.12, the cases have been recommended to SEIAA for grant of TOR without obtaining the construction status report from the PPCB. SEIAA was of the view that a uniform policy has to be adopted for seeking construction report from the PPCB and an arbitrary approach may not only attract criticism but will also be legally untenable. SEIAA also observed that no reason or justification has been provided by SEAC in departing from the established practice of seeking the construction status report prior to grant of TORs.

After detailed deliberations, SEIAA decided as under:

- (i) Construction status report be sought from the Member Secretary, PPCB, for taking further necessary action in the matter.
- (ii) Case be deferred and placed in the meeting of SEIAA after getting the construction status report from the PPCB.
- (iii) The matter regarding seeking the construction status report at the time of issuance of Terms of Reference be placed in the 12th Joint meeting of SEIAA/SEAC scheduled on 31.05.2021 for detailed deliberations in the matter.

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

- i) Member Secretary PPCB has been requested vide email dated 13.05.2021 for sending the Construction Status in the matter and a reminder was also sent vide email dated 31.05.2021.
- ii) The case is being placed at item No. 183.05 of the instant Agenda (183<sup>rd</sup> meeting) before SEIAA after getting the construction status report for consideration.
- iii) The matter has been flagged and placed in the 12th Joint meeting of SEIAA/SEAC scheduled on 31.05.2021.

Environmental Engineer, Zonal Office 2, Patiala vide letter No. 2179 dated 01.06.2021 (received through email dated 01.06.2021) informed that the industry has applied for obtaining Environmental Clearance for expansion of unit to manufacture 1,22,500 TPA of Alloys/Non-Alloys Steel Billets/ Ingots/Round, Square, Bars, Flats and Angles by replacing the existing furnace with Induction furnace of capacity 20 TPH, Concast Plant and Rolling Mill at Village Ambey Majra, Mandi Gobindgarh, Distt. Fatehgarh Sahib. The proposed site of the

industry was visited by the officer of the Board on 20/05/2021 and the point wise compliance are as under:

Sr. No.	Information sought	Comments of the Board
1.	Construction/ Installation status of the newly proposed project of the industry.	The industry has not started any construction activity w.r.t. proposed project.
2.	Status of Consent to Establish/NOC from PPCB.	The industry in as existing unit and has obtained consent to operate under the Water Act, 1974 vide no CTOW/Varied/FGS/2020/13594857 dated 25/09/2020 and under Air Act, 1981 vide no CTOA/Varied/FGS/2020/13594740 dated 25/09/2020, both are valid upto 30/09/2022 for manufacturing of Rolling Mill, Round, Square, Bars, Flats, Angle and other rolled products @ 84 TPD and Steel Ingots @ 84 TPD by using raw material as Melting Scrap etc. @ 90 TPD.
3.	Whether the proposed project meeting with the siting guidelines framed by the Board.	The industry is an existing unit and has applied for obtaining Environmental Clearance for expansion of unit to manufacture 1,22,500 TPA of Alloys/Non-Alloys Steel Billets/ Ingots/Round, Square, Bars, Flats and Angles by replacing the existing furnace with Induction furnace of capacity 20 TPH, Concast Plant and Rolling Mill at Vill. Ambey Majra, Mandi Gobindgarh, Distt. Fatehgarh Sahib. The site of the industry having latitude & longitude (30.6402970 and 76.3141140). As per the Master Plan of Mandi Gobindgarh, the site of the industry falls in the industrial area. There are no specific siting guidelines framed by the Board for such type of industries, as such the site is suitable for the proposed expansion project.

#### 5.0 Deliberations during 183<sup>rd</sup> meeting of SEIAA held on 15.06.2021.

The case was considered by SEIAA in its 183<sup>rd</sup> meeting held on 15.06.2021, which was attended by Sh. Madhur Sood, Partner, M/s Surya Steel Industries and Sh. Sital Singh, CPTL-EIA, Mohali Environmental Consultant on behalf of the promoter company.

SEIAA perused the construction status report sent by the Board and observed that the industry has not started any construction activity with respect to the proposed project, obtained the consent to operate under Water Act, 1974, Air Act, 1981 up to 30.09.2022 for the existing unit. Further, as per the Master plan of the Mandi Gobindgarh the site of the industry falls in the industrial zone.



Thereafter, Environmental consultant of the promoter company presented the salient features of the project before SEIAA. A copy of the presentation was also submitted which was taken on record. During discussions, the representative of the promoter company agreed to fully comply with all the conditions recommended by SEAC for issuing the TOR.

SEIAA observed that the case stands recommended by SEAC for issuance of ToRs to the project proposal. SEIAA looked into the details of the case and was satisfied with the same. After detailed deliberations, SEIAA decided to accept the recommendations of SEAC and issue TORs as proposed by SEAC with the following additional TORs: -

**Additional TORs:**

- i) Project proponent will submit the NOC from the concerned territorial / wildlife DFO's that no Forest/PLPA/Wildlife areas are involved at the time of submission of EIA report.
- ii) The Project Proponent shall obtain permission from PWRDA for abstraction of ground water.
- iii) The Project Proponent shall strictly ensure that no construction or other activity (apart from securing the land) will be commenced in respect of the proposed project till grant of EC.
- iv) The project proponent shall undertake all activities to address the concerns raised during the public consultation in the Environmental Management Plan and ensure compliance of OM 25.02.2021 issued by the MOEF&CC.

**Item No. 183.06** 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).

Facts of the matter are as under: -

### **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 199<sup>th</sup> 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 No	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.			
9.	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.	Partnership deed is provided.			
10.	Details of CLU certificate	The Project Site falls in master plan (2009-2031) of Jalandhar district.			
11.	Details of block as per CGWA guideline (Notified/ Non-Notified area) in which project site is located	The project site falls in Bhogpur which is notified area as per CGWA guidelines.			
12.	Project Area Details:				
	S. No.	Details	Existing Land	Proposed Additional Land	Total land after Expansion
	1.	Plot Area (in sqm)	32368	---	32368
	2.	Current Price of land (Rs. in Crores)	Lease land		
13.	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 COST (Rs. in Lacs)	PROPOSED COST (Rs. in Lacs)	TOTAL COST (Rs. in Lacs)
1.	Land	50.00	Nil	50.00
2.	Building	200.00	100.00	300.00
3.	Machinery	675.25	1774.00	2449.25
4.	Others	40.00	20.00	60.00
<b>TOTAL</b>		<b>965.25</b>	<b>1894.00</b>	<b>2859.25</b>

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 its acquisition, nearby (in 2-3 km.) water body, population, within 10 km other industries, forest, eco-sensitive zones, accessibility, (note - in case of industrial estate this information may not be necessary)
- (viii) Baseline environmental data - air quality, surface and 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](http://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.
- (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. If 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, SO<sub>2</sub>, NO<sub>x</sub>, 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, \_\_\_\_% 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 5 TPH 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**

- (i) Public consultation is required for the projects as it is not located in notified industrial parks/estates.
- (ii) 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)
- (iii) 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.
- (iv) 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.
- (v) 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.

- (vi) 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.
- (vii) 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
- (viii) Minimize the water consumption in the steel plant complex by segregation of used water, practicing cascade use and by recycling treated water.
- (ix) 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.
- (x) Reuse of cooling tower blow down, simultaneously ensuring the standards prescribed for such purge waters. If required, necessary arrangements shall be made to keep this waste stream within the parameters required for reuse.
- (xi) 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<sub>4</sub> etc. An agreement to this effect shall be made with the authorized agencies.
- (xii) 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.

- (xiii) 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.
- (xiv) 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.
- (xv) 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.
- (xvi) 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.
- (xvii) 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.
- (xviii) 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.
- (xix) Use of natural gas (if available) as substitute fuel wherever possible in the existing industry/ for the expansion project.
- (xx) 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.
- (xxi) 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.

(xxii) Air Pollution Control Arrangement details shall be provided as below:

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

- (xxiii) Submit compliance regarding the installation of Pulse jet bag filter with offline cleaning technology as APCD with the proposed induction furnace.
- (xxiv) 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 far as possible.
- (ii) All documents shall be properly indexed, page numbered.
- (iii) Period/date of data collection shall be clearly indicated.
- (iv) The letter/application for environmental clearance shall quote the MOEF / SEIAA file No. and also attach a copy of the letter.
- (v) The copy of the letter received from the Ministry / SEIAA shall be also attached as an annexure to the final EIA-EMP Report.
- (vi) The index of the final EIA-EMP report must indicate the specific chapter and page no. of the EIA-EMP Report.
- (vii) While preparing the EIA report, the instructions for the proponents and instructions for the consultants issued by MOEF vide notification dated 03.03.2016 which is available on the website of this Ministry shall also be followed.
- (viii) The consultants involved in the preparation of EIA-EMP report after accreditation with Quality Council of India (QCI) /National Accreditation Board of Education and Training (NABET) would need to include a certificate in this regard in the EIA-EMP reports prepared by them and data provided by other organization/Laboratories including their status of approvals etc. Name of the

Consultant and the Accreditation details shall be posted on the EIA-EMP Report as well as on the cover of the Hard Copy of the Presentation material for EC presentation.

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.

#### **4.0 Deliberations during 181<sup>st</sup> meeting of SEIAA held on 10.05.2021.**

The case was considered by SEIAA in its 181<sup>st</sup> meeting held on 10.05.2021 through Video Conference which was attended by the Sh. Sahil Goel, Partner of the Promoter Company and Sh. Sital Singh, M/s CPTL , Environmental Consultant of the promote company.

SEIAA was apprised that the proposal of the project proponent was considered by SEAC in its 199<sup>th</sup> meeting held on 23.04.2021 without obtaining the construction status report from the Punjab Pollution Control Board. In the past, as a policy, construction status report was being sought from the PPCB at the time of issuance of Terms of Reference. However, in the present case, SEAC has recommended the case for issuance of Terms of Reference on the basis of an undertaking submitted by the project proponent that no construction has been commenced in the expansion area.

SEIAA observed that construction status report was sought for item no. 181.06 (M/s Madhav KRG HRC Pvt. Ltd.) of 181<sup>st</sup> meeting of SEAC at the time of issuance of TOR whereas for item no. 181.11 and 181.12 (present case), the cases have been recommended to SEIAA for grant



of TOR without obtaining the construction status report from the PPCB. SEIAA was of the view that a uniform policy has to be adopted for seeking construction report from the PPCB and an arbitrary approach may not only attract criticism but will also be legally untenable. SEIAA also observed that no reason or justification has been provided by SEAC in departing from the established practice from many years of seeking the construction status report prior to grant of TORs.

After detailed deliberations, SEIAA decided as under:

- i) Construction status report be sought from the Member Secretary, PPCB for taking further necessary action in the matter.
- ii) Case be deferred and placed in the meeting of SEIAA after getting the construction status report from the PPCB.
- iii) The matter regarding seeking the construction status report at the time of issuance of Terms of Reference be placed in the 12th Joint meeting of SEIAA/SEAC scheduled on 31.05.2021 for detailed deliberations in the matter.

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

- i) Member Secretary PPCB has been requested vide email dated 13.05.2021 for sending the Construction Status in the matter and a reminder was also sent vide email dated 20.05.2021.
- ii) The case is being placed at item No. 183.06 of the instant Agenda (183<sup>rd</sup> meeting) before SEIAA after getting the construction status report for consideration.
- iii) The matter has been flagged and placed in the 12th Joint meeting of SEIAA/SEAC scheduled on 31.05.2021.

Accordingly, Environmental Engineer, Regional Office, Jalandhar vide email dated 25.05.2021 informed that the site of the proposed project of M/s K.J International villahe Khingra Cho. tehsil Bhogpur Distt Jalandhar was visited by him along with AEE of his office on 24.05.2021 and the point wise information sought vide trailing e-mail is as under:-

1. No construction or installation for the proposed project has been started at proposed site yet.
2. No application for obtaining consent to establish / NOC for the proposed project has been received from the industry in the Board till date.
3. The proposed site is surrounded by agriculture fields only within a radial distance of 100 m. There is no specific sitting guidelines for such type of industries framed by the Board. However, the proposed site is meeting with general sitting criteria of 100 mtr radial distance from designated residential area, educational institute, historical religious place.

#### **5.0 Deliberations during 183rd meeting of SEIAA held on 15.06.2021.**

The case was considered by SEIAA in its 183rd meeting held on 15.06.2021, which was attended by Sh. Pawan Goyal, Partner, M/s K.J. International and Sh. Sital Singh, M/s CPTL Mohali, Environmental Consultant of the promoter company.

SEIAA perused the construction status report sent by the Board and observed that no construction or installation for the proposed project has been started at proposed site and proposed site is meeting with general sitting criteria of 100 m radial distance from designated residential area, educational institute, historical religious place framed by the Board.

To a query of SEAC regarding Change of Land Use obtained for industrial purposes, project proponent submitted CTP letter no. 3429 dated 19.12.2019 to the effect that as per the record of his office, approval for the Change of Land Use has already been granted vide letter no. 1722 dated 25.06.2010 and Additional Development Charges (ADC) of amount Rs. 8,36,500 has already been deposited with the additional Chief Administrator, Jalandhar as informed by them vide letter no. 11845 dated 19.12.2019. SEIAA took the said letter on record.

Thereafter, Environmental consultant of the promoter company presented the salient features of the project before SEIAA. A copy of the presentation was also submitted which was taken on record. During discussions, the representative of the promoter company agreed to fully comply with all the conditions recommended by SEAC for issuing the TOR.

SEIAA observed that the case stands recommended by SEAC for issuance of ToRs to the project proposal. SEIAA looked into the details of the case and was satisfied with the same. After detailed deliberations, SEIAA decided to accept the recommendations of SEAC and issue TORs as proposed by SEAC with the following additional TORs: -

**Additional TORs:**

- (i) Project proponent will submit the NOC from the concerned territorial / wildlife DFO's that no Forest/PLPA/Wildlife areas are involved, at the time of submission of EIA report.
- (ii) The Project Proponent shall obtain permission from PWRDA for abstraction of ground water.
- (iii) The Project Proponent shall strictly ensure that no construction or other activity (apart from securing the land) will be commenced in respect of the proposed project till grant of EC.
- (iv) The project proponent shall undertake all activities to address the concerns raised during the public consultation in the Environmental Management Plan with compliance of OM 25.02.2021 issued by the Ministry.

**Item No. 183.07 Application for issuance of ToRs for Environment Clearance for increasing the production capacity of Steel manufacturing unit located at village Wazirabad, Sirhind, District Fatehgarh Sahib, Punjab by M/s JMK Industries (Proposal No. SIA/PB/IND/62607/2021).**

Facts of the matter are as under:-

M/s JMK Industries is the existing steel manufacturing unit located at village Wazirabad, Sirhind Side, Distt. Fatehgarh Sahib, Punjab. The existing industrial unit deals with the manufacturing of Billets/Ingots. The existing production capacity of the industrial unit is 84 TPD with induction Furnace of capacity 7 TPH.

Now, the industry wants to increase their production capacity by installing two additional induction furnaces of capacity 20 TPH each, rolling mill & pipe plant. However, the existing induction furnace of capacity 7 TPH remains same. Thus, after expansion the production capacity of the industrial unit will become 2,40,000 TPA for manufacturing of Ingots/Billets, Patra & Pipe with 1 induction furnace of capacity 7 TPH, 2 induction furnace of capacity of 20 TPH each, rolling mill & pipe plant. Total cost of the project including the expansion will be Rs. 43.56 crores.

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. 1,13,800/- through NEFT No. IDIBH21062495615 dated 03.03.2021. The Project Proponent has deposited 25% of the total fee prescribed for the Environmental Clearance being at ToR stage and the rest 75% of the fee i.e., Rs. 3,26,700/- 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.

**1.0 Deliberations during 200<sup>th</sup> meeting of SEAC held on 07.05.2021**

The meeting was attended by the following:

1. Rakesh Kumar Bansal, Partner, authorized, signatory, on behalf of Project Proponent.
2. Sh. Sandeep Garg, EIA Coordinator, M/s Eco Laboratories Pvt Ltd., Mohali.

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

S. No.	Item	Details
1.	Name and Location of the project	Steel manufacturing unit for increasing the production capacity to 2,40,000 TPA for the project namely "JMK Industries" located at Village Wazirabad, Sirhind Side, Distt. Fatehgarh Sahib

2.	Project/ activity covered under item of scheduled to the EIA Notification, 14.09.2006	The project falls under S. No. 3(a): Metallurgical Industries (ferrous & non ferrous).
3.	Whether the project is in critical polluted area or not.	No, the project does not fall in critical polluted area.
4.	If the project involves diversion of forest land. If yes, a) Extent of the forest land. b) Status of the forest clearance.	No, project does not involve any forest land.
5.	a) Is the project covered under PLPA, 1900, if No but located near to PLPA area then the project proponent is required to submit NOC from the concerned DFO to the effect that project area 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.
6.	If the project falls within 10 km of eco-sensitive area/ National park/ Wild Life Sanctuary. If yes, a. Name of eco-sensitive area/ National park/ Wild Life Sanctuary and distance from the project site. b. Status of clearance from National Board for Wild Life (NBWL).	Not applicable, No Wildlife Sanctuary falls within 10 km of the project area.
7.	Classification/ Land use pattern as per Master Plan	The project falls in industrial zone as per the master plan of Mandi Gobindgarh, Punjab.

8.	Cost of the project	<b>S. No.</b>	<b>Existing cost (Rs. in lakhs)</b>	<b>Proposed cost (Rs. in lakhs)</b>	<b>Total cost after expansion (Rs. in lakhs)</b>
		1.	750.92	3,605.08	4,356.00
9.	Total Plot area, Built-up area and Green area	<b>S. No.</b>	<b>Description</b>		<b>Area (in sq.m.)</b>
		1.	Total land area		19,429.15
		2.	Existing covered area		2,327.88
		3.	Proposed covered area		4,202.59
		4.	Green Area		6,440.52
		5.	Parking area		4,219.32
		6.	Other areas		2,238.82
10.	Break up of Water Requirements & source in Operation Phase (Summer, Rainy, Winter):	Total water requirement of the project will be 90 KLD meet through 2 borewells.			
11.	Treatment & Disposal arrangements of wastewater in Construction Phase	Existing Septic Tank			

The Project Proponent has submitted an undertaking that no construction activity has been done w.r.t. the proposed expansion. Further, additional machinery/ equipment will be installed after obtaining Environmental Clearance from the State Authorities.

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

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 Committee approved the Terms of Reference for expansion of Steel manufacturing unit namely M/s JMK Industries located at village Wazirabad, Sirhind, District Fatehgarh Sahib, Punjab with increase in production capacity of the proposed unit from 84 TPD to 2,40,000 TPA for manufacturing of Ingots/Billets, Patra & Pipe with 1 induction furnace of capacity 7 TPH, 2 induction furnace of capacity of 20 TPH each, rolling mill & pipe plant 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 its acquisition, nearby (in 2-3 km.) water body, population, within 10 km other industries, forest, eco-sensitive zones, accessibility, (note - in case of industrial estate this information may not be necessary)
- (viii) Baseline environmental data - air quality, surface and 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](http://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.
  - (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. If 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, SO<sub>2</sub>, NO<sub>x</sub>, 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)

- (ii) To address the Public Hearing issues, \_\_\_% 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**

- i) Public consultation is required for the projects as it is not located in notified industrial parks/estates.
- ii) 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)
- iii) 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.
- iv) 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
- v) Compliance of the siting criteria, standard operating practices, code of practice, and guidelines if any prescribed by the SPCB/CPCB/MoEF&CC for such type of units.
- vi) Necessary permissions from the Central 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
- vii) Minimize the water consumption in the steel plant complex by segregation of used water, practicing cascade use and by recycling treated water.

- viii) STP for treatment of 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.
- ix) Reuse of cooling tower blow down, simultaneously ensuring the standards prescribed for such purge waters. If required, necessary arrangements shall be made to keep this waste stream within the parameters required for reuse.
- x) In case of any acid pickling activity, the spent acid/effluents generated from such activities shall be utilized through authorized re-processors for converting the same into useful by-products like FeSO<sub>4</sub> etc. An agreement to this effect shall be made with the authorized agencies.
- xi) Adequate area to be reserved and marked on the layout plan for the green belt as per the conditions laid down by the MoEF&CC as per the Standard EC Conditions prescribed for Induction/ Electric Arc Furnace & Rolling Mills circulated vide OM dated 09/08/2018.
- xii) Detailed study report along with calculation for reserving land for loading or unloading of raw material, products, slag, hazardous waste as well as for storage of these materials and the area to be reserved for parking incorporating the time required for loading and unloading of vehicles for respective activities and minimum/maximum period for which storage of the above material is required in the premises. The areas for the respective activities to be marked on the layout plan.
- xiii) Action plan for the compliance of standard operating procedures and up-gradation of suction and treatment arrangement for the secondary emissions as prescribed by the State Pollution Control Board or by CPCB/MoEF&CC.
- xiv) Compliance of standard operating procedures and up-gradation of suction/treatment systems for the control of secondary emissions within the time frame prescribed by the State Pollution Control Board. Similar action is to be implemented in the proposed expansion project.
- xv) Whole of the vehicle movement area as well as 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.
- xvi) 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.
- xvii) Adopt green technologies to conserve the water and energy including shearing/cutting / bundling machines. Also, to provide abrasive resistant fire bricks in the crucibles to reduce the periodic maintenance & disposal of discarded fire bricks.

- xviii) Use of natural gas (if available) as substitute fuel wherever possible in the existing industry/ for the expansion project.
- xix) 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.
- xx) 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.
- xxi) 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

- xxii) Submit compliance regarding the installation of Pulse jet bag filter with offline cleaning technology as APCD with the proposed induction furnace.
- xxiii) 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 far as possible.
- (ii) All documents shall be properly indexed, page numbered.
- (iii) Period/date of data collection shall be clearly indicated.
- (iv) The letter/application for environmental clearance shall quote the MOEF / SEIAA file No. and also attach a copy of the letter.

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

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.

## **2.0 Deliberations during 182<sup>nd</sup> meeting of SEIAA held on 24.05.2021**



The case was considered by SEIAA in its 182<sup>nd</sup> meeting held on 24.05.2021 through Video Conference which was attended by the following:

- (i) Sh. Gagan Bansal, Partner, authorized, signatory, on behalf of Project Proponent.
- (ii) Dr. Sandeep Garg, EIA Coordinator, M/s Eco Laboratories Pvt Ltd., Mohali.

SEIAA was apprised that the proposal of the project proponent was considered by SEAC in its 200<sup>th</sup> meeting held on 07.05.2021 without obtaining the construction status report from the Punjab Pollution Control Board. In the past, as a policy, construction status report was being sought from the PPCB at the time of issuance of Terms of Reference. However, in the present case, SEAC has recommended the case for issuance of Terms of Reference on the basis of an undertaking submitted by the project proponent that no construction has been done w.r.t the proposed expansion and additional machinery/equipment will be installed after obtaining Environmental Clearance from the State Authorities.

SEIAA was also apprised that as per the decision taken by SEIAA in similar cases (item No's 181.11 and 181.12 of 181<sup>st</sup> meeting of SEIAA held on 10.05.2021), Construction status report has been sought from the Member Secretary, PPCB vide email dated 18.05.2021 before taking further necessary action in the matter. However, the required Construction Status report has not been received from the PPCB so far.

After detailed deliberations, SEIAA decided to defer the case and issue a reminder to Member Secretary, PPCB for sending the construction status report. The case be placed in the meeting of SEIAA after getting the construction status report from the PPCB.

In compliance with the aforesaid decision, Member Secretary, PPCB was requested vide email dated 31.05.2021 to send the construction status report.

Accordingly, Senior Environmental Engineer, Zonal Office 2, Patiala vide letter no. 2278 dated 07.06.2021 sent the construction status report along with the photographs of the project sites which is annexed as **Annexure-10** of the agenda.

## **2.0 Deliberations during 183<sup>rd</sup> meeting of SEIAA held on 15.06.2021.**

The case was considered by SEIAA in its 183<sup>rd</sup> meeting held on 15.06.2021, which was attended by Sh. Rakesh Kumar, M/s JMK Industries and Dr. Sandeep Garg, M/s Eco Laboratories Pvt. Ltd., Mohali, EIA Coordinator of the promoter company.

SEIAA perused the construction status report sent by the Board and observed that the industry has not started any construction activity with respect to the proposed project, obtained the consent to operate under Water Act, 1974, valid upto 30.06.2021 and Air Act, 1981 valid up to 30.09.2024 for the existing unit. Further, as per the Master plan of the Mandi Gobindgarh (2010-31), the site of the industry falls in the industrial zone.

Thereafter, Environmental consultant of the promoter company presented the salient features of the project before SEIAA. A copy of the presentation was also submitted which was taken on record.

Environmental Consultant of the promoter company requested to allow them to use the baseline monitoring data collected for M/s Punjab Steels Forging & Agro Industries located at a distance of 7 Km from the Project site which was collected during the period October to December, 2018, as per the provisions of OM dated 29.08.2017 issued by the MOEF&CC and additional study carried out in the month of May, 2021 with prior intimation to SEAC on 06.05.2021 through Email.

SEIAA observed that as per the OM dated 29.08.2017, the baseline data used for the preparation of EIA/EMP reports may be collected at any stage, irrespective of the request for TOR or the issue thereof. However, such baseline data and the public consultation should not be older than 3 years at the time of submission of the proposal for grant of Environmental Clearance as per TORs prescribed. In the present case, baseline data is not older than 3 years, as such, SEIAA accepted the request of the Environmental Consultant.

During discussions, the representative of the promoter company agreed to fully comply with all the conditions recommended by SEAC for issuing the TOR. SEIAA observed that the case stands recommended by SEAC for issuance of TORs to the project proposal. SEIAA looked into the details of the case and was satisfied with the same.

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

**Additional TORs:**

- (i) Project proponent will submit the NOC from the concerned territorial / wildlife DFO's that no Forest/PLPA/Wildlife areas are involved at the time of submission of EIA report.
- (ii) The Project Proponent shall obtain permission from PWRDA for abstraction of ground water.
- (iii) The Project Proponent shall strictly ensure that no construction or other activity (apart from securing the land) will be commenced in respect of the proposed project till grant of EC.
- (iv) The project proponent shall undertake all activities to address the concerns raised during the public consultation in the Environmental Management Plan and also ensure compliance of OM 25.02.2021 issued by the MOEF&CC.

**Item no.183.08:** Application for issuance of ToR for manufacturing of 1,31,250 TPA of steel ingots/Billets, Angles, Channels, Rounds, Square, TMT Bars, Flats, Patra by upgrading existing induction furnace of 7TPH capacity with new induction furnace having capacity 10 TPH and addition of one induction furnace of 15 TPH concast, Laddle Refining furnace (LRF) of 20 TPH, AOD, VD and rolling mill at village Mullanpur Kalan, Mandigobindgarh, District Fatehgarh Sahib, Punjab by M/s Natural Casting. (SIA/PB/IND/63023/2021).

SEIAA observed as under:

The proposed project of Natural Castings is located at Village-Mullanpur Kalan, Mandi Gobindgarh, District Fatehgarh Sahib, Punjab. The Industry has already got CTO for manufacturing of Steel Ingots @ 82TPD through Induction Furnace. The existing capacity of Induction Furnace is 7TPH. The project proponent proposes to increase the capacity of unit by upgrading existing Induction Furnace 7TPH to 10 TPH and addition of one Induction Furnace of capacity 15TPH, Concast, Laddle Refining Furnace (LRF) of 20TPH, AOD, VD and rolling mill. Total capacity of the project after expansion will be 1, 31,250 TPA of Steel Ingots/billets, Angles, Channels, Rounds, Square, TMT Bars, Flats, Patra.

The existing land area of the project is 1.25 Acre. About 2 Acre additional land will be required for expansion. The total land area after expansion will be 3.25 acres. The project cost after expansion including existing cost will be Rs 15.79 Crores

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. 39,475/- through NEFT No. 000340638355 dated 01.05.2021. The Project Proponent has deposited 25% of the total fee prescribed for the Environmental Clearance being at ToR stage and the remaining 75% of the fee i.e., Rs. 1,18,425/- 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.

#### **1.0 Deliberations during 200<sup>th</sup> meeting of SEAC held on 07.05.2021**

The meeting was attended by the following:

1. Sh. Sumit Chahal, Partner.
2. Sh. Sital Singh, EIA Coordinator, M/s CPTL, Mohali.

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

Sr. No.	Description	Details
1.	Name and Location of the project	M/s Natural Castings located at Village-Mullanpur Kalan, Mandi Gobindgarh District Fatehgarh Sahib, Punjab.

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held on 15.06.2021

2.	In case of expansion projects, whether granted EC earlier, if Yes, then provide its details	It is an expansion project. But the existing capacity is less than 30,000 TPA, earlier EC was not required.			
3.	Nature of project (Fresh EC/EC for Expansion/New)	Expansion			
4.	Whether project falls within 5km from the boundary of critically polluted area (Yes/No)	No			
5.	Existing production Capacity (TPA)	Steel Ingots/billets- 28,700 TPA			
6.	Details TOR processing fee submitted (25% of the total project cost)	An amount of Rs. 39,475/- submitted through NEFT no.- 000340638355 on dated 01.05.2021.			
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	The site falls in Medium & heavy Industry zone as per master plan of Mandi Gobindgarh (2010-2031)			
9.	Details proof of land including Khasra no.	<b>Total Land</b> – (3.25 acres) Khasra no.- 346/322/6/4, 346/322/6/3, 346/322/6/4, 346/322/6/3Min, 323 Min (14-14)			
10	Details of CLU certificate	The industry is operating before 2005. Thus, CLU is not obtained. However, Industry falls under the industrial zone as per master plan of Mandi Gobindgarh (2010-2031)			
11	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.			
12	Project Area Details:				
	S. No.	Details	Existing Land	Proposed Additional Land	Total land after Expansion
	1.	Plot Area (in sqm)	5058.57	8093.71	13,152.28
13	Raw Material requirement as per following format:				
	S. No.	Raw Material name	Existing (TPA)	Proposed (TPA)	After Expansion (TPA)
	1.	MS Scrap, CI, Sponge Iron, Ferro Alloys	31,150	1,11,300	1,42,450

14	Production Capacity as per following format:			
	<b>S. No.</b>	<b>Product name</b>	<b>Existing (TPA)</b>	<b>Proposed (TPA)</b>
	1.	Steel Ingots/billets, Angles, Channels, Rounds, Square, TMT Bars, Flats, Patra	28,700 (Steel ingots)	1,02,550
				After Expansion (TPA) 1,31,250
15	Details of major productive machinery/plant			
	<b>S. No.</b>	<b>Particulars</b>	<b>Existing</b>	<b>Proposed</b>
	1.	Induction Furnace, rolling mill	1X7TPH (Upgraded),	1X10 TPH, 1X15 TPH
	2.	Rolling mill	Nil	20 Ton/hr
	3.	Ladle Refining Furnace (LRF)	Nil	20TPH
	4.	Concast	Nil	01 No.
	5.	AOD	Nil	01 No.
	6.	VD	Nil	01 No.
16	Status of Proposed ToRs		Standard TORs submitted.	

The Project Proponent has submitted an undertaking that no construction activity has been done w.r.t. the proposed expansion.

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

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 Committee approved the Terms of Reference to M/s Natural Castings for manufacturing of 1,31,250 TPA of steel ingots/Billets, Angles, Channels, Rounds, Square, TMT Bars, Flats, Patra by upgrading existing induction furnace of 7TPH capacity with new induction furnace having capacity 10 TPH and addition of one induction furnace of 15 TPH concast, Ladle Refining furnace (LRF) of 20 TPH, AOD, VD and rolling mill located at village Mullanpur Kalan, Mandi Gobindgarh, 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 its acquisition, nearby (in 2-3 km.) water body, population, within 10 km other industries, forest, eco-sensitive zones, accessibility, (note - in case of industrial estate this information may not be necessary)
- (viii) Baseline environmental data - air quality, surface and 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](http://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. If 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, SO<sub>2</sub>, NO<sub>x</sub>, 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, \_\_\_% 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 it is 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.
6. 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.

7. 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.
8. 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
9. Minimize the water consumption in the steel plant complex by segregation of used water, practicing cascade use and by recycling treated water.
10. 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.
11. 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.
12. 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  $\text{FeSO}_4$  etc. An agreement to this effect shall be made with the authorized agencies.
13. 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.
14. 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.

15. 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.
16. 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.
17. 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.
18. 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.
19. 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.
20. Use of natural gas (if available) as substitute fuel wherever possible in the existing industry/ for the expansion project.
21. 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.
22. 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.
23. 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

24. Submit compliance regarding the installation of Pulse jet bag filter with offline cleaning technology as APCD with the proposed induction furnace.
25. 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 far as possible.
- (ii) All documents shall be properly indexed, page numbered.
- (iii) Period/date of data collection shall be clearly indicated.
- (iv) The letter/application for environmental clearance shall quote the MOEF / SEIAA file No. and also attach a copy of the letter.
- (v) The copy of the letter received from the Ministry / SEIAA shall be also attached as an annexure to the final EIA-EMP Report.
- (vi) The index of the final EIA-EMP report must indicate the specific chapter and page no. of the EIA-EMP Report.
- (vii) While preparing the EIA report, the instructions for the proponents and instructions for the consultants issued by MOEF vide notification dated 03.03.2016 which is available on the website of this Ministry shall also be followed.
- (viii) The consultants involved in the preparation of EIA-EMP report after accreditation with Quality Council of India (QCI) /National Accreditation Board of Education and Training (NABET) would need to include a certificate in this regard in the EIA-EMP reports prepared by them and data provided by other organization/Laboratories including their status of approvals etc. Name of the Consultant and the Accreditation details shall be posted on the EIA-EMP Report as well as on the cover of the Hard Copy of the Presentation material for EC presentation.



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.

## **2.0 Deliberations during 182<sup>nd</sup> meeting of SEIAA held on 24.05.2021**

The case was considered by SEIAA in its 182<sup>nd</sup> meeting held on 24.05.2021 through Video Conference which was attended by the following:

- (i) Sh. Sumit Chahal, Partner on behalf of promoter company
- (ii) Sh. Sital Singh, EIA Coordinator, M/s CPTL, Mohali.

SEIAA was apprised that the proposal of the project proponent was considered by SEAC in its 200<sup>th</sup> meeting held on 07.05.2021 without obtaining the construction status report from the Punjab Pollution Control Board. In the past, as a policy, construction status report was being sought from the PPCB at the time of issuance of Terms of Reference. However, in the present case, SEAC has recommended the case for issuance of Terms of Reference on the basis of an undertaking submitted by the project proponent that no construction has been done w.r.t the proposed expansion and additional machinery/equipment will be installed after obtaining Environmental Clearance from the State Authorities.

SEIAA was also apprised that as per the decision taken by SEIAA in similar cases ( item No's 181.11 and 181.12 of 181<sup>st</sup> meeting of SEIAA held on 10.05.2021), Construction status report

has been sought from the Member Secretary, PPCB vide email dated 18.05.2021 before taking further necessary action in the matter. However, the required Construction Status report has not been received from the PPCB so far.

After detailed deliberations, SEIAA decided to defer the case and issue a reminder to Member Secretary, PPCB for sending the construction status report. The case be placed in the meeting of SEIAA after getting the construction status report from the PPCB.

In compliance with the aforesaid decision, Member Secretary, PPCB was requested vide email dated 31.05.2021 to send the construction status report.

Accordingly, Senior Environmental Engineer, Zonal Office 2, Patiala vide letter no. 2280 dated 07.06.2021 sent the construction status report along with the photographs of the project sites which is annexed as Annexure-11 of the agenda.

### **3.0 Deliberations during 183rd meeting of SEIAA held on 15.06.2021.**

The case was considered by SEIAA in its 183rd meeting held on 15.06.2021, which was attended by Sh. Sumit Chahal, Partner of M/s Natural Castings, Sh. Sital Singh from M/s CPTL, Mohali as EIA Coordinator of the promoter company.

SEIAA perused the construction status report sent by the Board and observed that the industry has not started any construction activity with respect to the proposed project, obtained the consent to operate under Water Act, 1974 & Air Act, 1981 valid upto 30.09.2024 for the existing unit. Further, as per the Master plan of the Mandi Gobindgarh (2010-31), the site of the industry falls in the industrial zone.

Thereafter, Environmental consultant of the promoter company presented the salient features of the project before SEIAA. A copy of the presentation was also submitted which was taken on record.

During discussions, the representative of the promoter company agreed to fully comply with all the conditions recommended by SEAC for issuing the TOR. SEIAA observed that the case stands recommended by SEAC for issuance of ToRs to the project proposal. SEIAA looked into the details of the case and was satisfied with the same.

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

#### **Additional TORs:**

- (i) Project proponent will submit the NOC from the concerned territorial / wildlife DFO's that no Forest/PLPA/Wildlife areas are involved at the time of submission of EIA report.
- (ii) The Project Proponent shall obtain permission from PWRDA for abstraction of ground water.
- (iii) The Project Proponent shall strictly ensure that no construction or other activity (apart from securing the land) will be commenced in respect of the proposed project till grant of EC.

- (iv) The project proponent shall undertake all activities to address the concerns raised during the public consultation in the Environmental Management Plan and also ensure compliance of OM 25.02.2021 issued by the MOEF&CC.

**Item no.183.09:** Application for issuance of ToR for manufacturing of 1,00,100 TPA of steel casting, forging & Rolled product by upgrading existing induction furnace of 6.5 TPH capacity with new induction furnace having capacity 10 TPH and addition of one induction furnace of capacity 12 TPH, concast, Laddle refining furnace (LRF) and rolling mill at Village Nasrali, Guru Ki Nagri, Anaj Mandi-Bhadla Road, Nasrali, Near Power Grid, Mandigobindgarh, District Fatehgarh Sahib, Punjab by M/s Kisco Casting Ltd. (SIA/PB/IND/63077/2021).

SEIAA observed as under:

The proposed project of KISCO CASTINGS (INDIA) LTD. is located at Village-Nasrali, Guru ki Nagri, Anaj- Mandi- Bhadla road, Village – Nasrali, near power grid, Tehsil Mandi gobindgarh, District Fatehgarh Sahib, Punjab. The Industry has already got CTO for manufacturing of Steel Ingots @ 78TPD through Induction Furnace and their casting through annealing furnaces. The existing capacity of Induction Furnace is 6.5 TPH with 3 annealing furnaces of capacities 9TPD, 8PD, 10TPD for casting. They have valid consent to operate for manufacturing of steel Ingot/casting. The project proponent has already got consent to establishment for installation of LRF pot to hold liquid metal vide NOC no. CTE/Mod/FGS/2020/13404347 dated 18.11.2020 and same is valid up-to 16.11.2021. Now project proponent proposes to increase the capacity of unit by upgrading existing Induction Furnace 6TPH to 10TPH and addition of one new Induction Furnace of capacity 12TPH, concast and rolling mill. Total capacity of the project after expansion will be 100,100TPA of Steel Ingots/billets, Steel Casting, Forging& rolled material. The total land area is 12421Sq.m. No additional land is required for expansion. The project cost after expansion including existing cost will be Rs. 20.79 Crores.

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. 51,975/- through NEFT no. 105074446093 dated 07.05.2021. The Project Proponent has deposited 25% of the total fee prescribed for the Environmental Clearance being at ToR stage and the rest 75% of the fee i.e., Rs. 1,55,925 /- will be paid at the time of applying for Environmental Clearance.

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

**1.0 Deliberations during 200<sup>th</sup> meeting of SEAC held on 07.05.2021**

The meeting was attended by the following:

1. Sh. Raghav Goel, Director, on behalf project proponent.
2. Sh. Sital Singh, EIA Coordinator, M/s CPTL.

Sr. No.	Description	Details
1.	Name and Location of the project	M/s Kisco Castings (India) Ltd. located at Village-Nasrali, Guru Ki Nagri, Anaj Mandi- Bhadla road, Near power grid, Mandi Gobindgarh District Fatehgarh Sahib Punjab

2.	In case of expansion projects, whether granted EC earlier, if Yes, then provide its details	It is an expansion project. But the existing capacity is less than 30,000 TPA, earlier EC was not required.			
3.	Nature of project (Fresh EC/EC for Expansion/New)	Expansion			
4.	a) Category b) Activity (As per schedule appended to EIA Notification, 2006 as amended time to time.)	(a) B (b) Metallurgical Industries (ferrous & non-ferrous) (8), Schedule 3(a) as per EIA notification-2006.			
5.	Whether project falls within 5km from the boundary of critically polluted area (Yes/No)	No			
6.	Existing production Capacity (TPA)	Steel Ingots/billets, Steel castings, Forging& rolled material- 27,300TPA			
7.	Details TOR processing fee submitted (25% of the total project cost)	An amount of Rs. 51,975/- submitted through NEFT no. 105074446093 dated 07.05.2021			
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 of CLU certificate	Classification of Land Use has been obtained vide letter no.- 1153 dated 10.12.2020. The site conforms Industrial Zone. However, Industry falls under the industrial zone as per master plan of Mandi Gobindgarh (2010-2031)			
11	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.			
12	Project Area Details:				
	S. No.	Details	Existing Land	Proposed Additional Land	Total land after Expansion
	1.	Plot Area (in sqm)	12,421	Nil	12,421
13	Raw Material requirement as per following format:				
	S. No.	Raw Material name	Existing (TPA)	Proposed (TPA)	After Expansion (TPA)
	1.	MS Scrap, CI, Sponge Iron, Ferro Alloys	28,875	81,235	1,10,110
14	Production Capacity as per following format:				

S. No.	Product name	Existing (TPA)	Proposed (TPA)	After Expansion (TPA)
1.	Steel Ingots/billets, Steel castings, Forging & rolled material	27,300 (Steel Ingots/billets, Steel castings)	72,800	100,100
15 Details of major productive machinery/plant				
S. No.	Particulars	Existing	Proposed	After Expansion
1.	Induction Furnace, rolling mill	1X6.5TPH (Upgraded),	1X10 TPH, 1X12 TPH	1X10 TPH, 1X12 TPH
2.	Rolling mill	Nil	01 NO.	01 No.
3.	Ladle Refining Furnace (LRF)	Nil	01 No.	01 No.
4.	Concast	Nil	01 No.	01 No.
16 Details of Effluent				
Sr. No.	Details	Existing Quantity (KLD)	Expected after expansion (KLD)	Details of existing & proposed Effluent Control Device
i)	Industrial Effluent	Nil	Nil	---
ii)	Domestic Effluent	8.06	9	Will be treated in STP of 15 KLD capacity. Treated water will be reused in plantation.
17 Details of Emissions (After expansion)				
Sr. No.	Source	Capacity (TPH)	Chimney Height (m)	Details of existing & proposed Air Pollution Control Device
i)	Induction Furnace	1X10 TPH, 1X12 TPH,	30	Side Suction Hood, Spark Arrestor, Bag House, ID Fan (Offline cleaning pulsejet bag filter)
18	Status of Proposed ToRs		Standard TORs submitted.	

The Project Proponent has submitted an undertaking that no construction activity has been done w.r.t. the proposed expansion. SEAC was satisfied with the presentation and took a copy of the same on record.

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 Committee approved the Terms of Reference to M/s Kisco Casting Ltd for manufacturing of 1,00,100 TPA of steel casting, forging & Rolled product by upgrading existing induction furnace of 6.5 TPH capacity with new induction furnace having capacity 10 TPH and addition of one induction furnace of capacity 12 TPH, concast, Ladle

refining furnace (LRF) and rolling mill at Village Nasrali, Guru Ki Nagri, Anaj Mandi-Bhadla Road, Nasrali, Near Power Grid, 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 its acquisition, nearby (in 2-3 km.) water body, population, within 10 km other industries, forest, eco-sensitive zones, accessibility, (note - in case of industrial estate this information may not be necessary)
- (viii) Baseline environmental data - air quality, surface and 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](http://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. If 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, SO<sub>2</sub>, NO<sub>x</sub>, 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, \_\_\_% 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 it is 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<sub>4</sub> 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 far as possible.
- (ii) All documents shall be properly indexed, page numbered.
- (iii) Period/date of data collection shall be clearly indicated.
- (iv) The letter/application for environmental clearance shall quote the MOEF / SEIAA file No. and also attach a copy of the letter.
- (v) The copy of the letter received from the Ministry / SEIAA shall be also attached as an annexure to the final EIA-EMP Report.
- (vi) The index of the final EIA-EMP report must indicate the specific chapter and page no. of the EIA-EMP Report.
- (vii) While preparing the EIA report, the instructions for the proponents and instructions for the consultants issued by MOEF vide notification dated 03.03.2016 which is available on the website of this Ministry shall also be followed.
- (viii) The consultants involved in the preparation of EIA-EMP report after accreditation with Quality Council of India (QCI) /National Accreditation Board of Education and Training (NABET) would need to include a certificate in this regard in the EIA-EMP reports prepared by them and data provided by other organization/Laboratories including their status of approvals etc. Name of the

Consultant and the Accreditation details shall be posted on the EIA-EMP Report as well as on the cover of the Hard Copy of the Presentation material for EC presentation.

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.

## **2.0 Deliberations during 182<sup>nd</sup> meeting of SEIAA held on 24.05.2021**

The case was considered by SEIAA in its 182<sup>nd</sup> meeting held on 24.05.2021 through Video Conference which was attended by the following:

- (i) Sh. Raghav Goel, Director, on behalf project proponent.
- (ii) Sh. Sital Singh, EIA Coordinator, M/s CPTL.

SEIAA was apprised that the proposal of the project proponent was considered by SEAC in its 200<sup>th</sup> meeting held on 07.05.2021 without obtaining the construction status report from the Punjab Pollution Control Board. In the past, as a policy, construction status report was being sought from the PPCB at the time of issuance of Terms of Reference. However, in the present case, SEAC has recommended the case for issuance of Terms of Reference on the basis of an undertaking submitted by the project proponent that no construction has been done w.r.t

the proposed expansion and additional machinery/equipment will be installed after obtaining Environmental Clearance from the State Authorities.

SEIAA was also apprised that as per the decision taken by SEIAA in similar cases ( item No's 181.11 and 181.12 of 181<sup>st</sup> meeting of SEIAA held on 10.05.2021), Construction status report has been sought from the Member Secretary, PPCB vide email dated 18.05.2021 before taking further necessary action in the matter. However, the required Construction Status report has not been received from the PPCB so far.

After detailed deliberations, SEIAA decided to defer the case and issue a reminder to Member Secretary, PPCB for sending the construction status report. The case be placed in the meeting of SEIAA after getting the construction status report from the PPCB.

In compliance with the aforesaid decision, Member Secretary, PPCB was requested vide email dated 31.05.2021 to send the construction status report.

Accordingly, Senior Environmental Engineer, Zonal Office 2, Patiala vide letter no. 2276 dated 07.06.2021 sent the construction status report along with the photographs of the project sites which is annexed as Annexure-12 of the agenda.

### **3.0 Deliberations during 183<sup>rd</sup> meeting of SEIAA held on 15.06.2021.**

The case was considered by SEIAA in its 183<sup>rd</sup> meeting held on 15.06.2021 which was attended by Sh. Sh. Raghav Goel, Director of M/s Kisco Casting Ltd and Sh. Sital Singh from M/s CPTL, Mohali as EIA Coordinator of the promoter company.

SEIAA perused the construction status report sent by the Board and observed that the industry has not started any construction activity with respect to the proposed project, obtained the consent to operate under Water Act, 1974 & Air Act, 1981 valid upto 31.03.2023 for the existing unit. Further, as per the Master plan of the Mandi Gobindgarh (2010-31), the site of the industry falls in the industrial zone.

Thereafter, Environmental consultant of the promoter company presented the salient features of the project before SEIAA. A copy of the presentation was also submitted which was taken on record.

During discussions, the representative of the promoter company agreed to fully comply with all the conditions recommended by SEAC for issuing the TOR. SEIAA observed that the case stands recommended by SEAC for issuance of ToRs to the project proposal. SEIAA looked into the details of the case and was satisfied with the same.

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

#### **Additional TORs:**

- (i) Project proponent will submit the NOC from the concerned territorial / wildlife DFO's that no Forest/PLPA/Wildlife areas are involved, at the time of submission of EIA report.

- (ii) The Project Proponent shall obtain permission from PWRDA for abstraction of ground water.
- (iii) The Project Proponent shall strictly ensure that no construction or other activity (apart from securing the land) will be commenced in respect of the proposed project till grant of EC.
- (iv) The project proponent shall undertake all activities to address the concerns raised during the public consultation in the Environmental Management Plan and also ensure compliance of OM 25.02.2021 issued by the MOEF&CC.

**Item No. 183.10: Complaint regarding the submission of false content in the application of obtaining Environmental Clearance of expansion of Group Housing Project "Homeland Heights" by Homeland Buildwell Pvt. Ltd.**

Facts of the matter are as under: -

A complaint from the residents of Homeland Heights has been received through email alleging submission of false contents in the application for obtaining Environmental Clearance of expansion of Group Housing Project "Homeland Heights" by Homeland Buildwell Pvt. Ltd. The details of the application submitted by Homeland Buildwell Pvt. Ltd. is as under:

- (i) Proposal No. : SIA/PB/MIS/175313/2020
- (ii) Name of the Project : Expansion of Group Housing Project "Homeland Heights"
- (iii) Company/Proponent: HOMELAND BUILDWELL PVT LTD
- (iv) Application Submitted by Proponent : 26/09/2020
- (v) Query for Shortcoming (if any) by SEIAA: 29/10/2020
- (vi) Consultant: M/s Eco Laboratories & Consultants Pvt. Ltd
- (vii) Proposal Status: Proposals returned to Proponent due to shortcoming

### **1.0 Background**

Earlier, promoter company had obtained the Environmental Clearance from SEIAA vide letter no. SEIAA/2014/5863 dated 24.01.2014 for plot area of 18,623.325 sqm (or 4.6 acres) and built-up area of 50,837.34 sqm. Subsequently, the built-up area was increased to 85,111.5 sqm by the Promoter Company without the requisite EC for expansion of area.

Thereafter, the promoter company obtained the Terms of Reference vide letter no. SEIAA/2018/906 dated 16.07.2018 under violation category as per the EIA Notification dated 14.03.2017 amended 08.03.2018.

After a delay of over 2 years from grant of ToRs, the project proponent submitted his application for expansion of the project on 26.09.2020. Certain essential details were sought on 29.10.2010 against which no reply has been received from the project proponent so far. A complaint has now been received from the residents of Homeland Heights (copy attached as Annexure-13 of the agenda) alleging falsification of documents by the Project Proponent in his application for EC for expansion of the Project.

### **2.0 Deliberations during 183<sup>rd</sup> meeting of SEIAA held on 15.06.2021.**

The matter was considered by SEIAA in its 183<sup>rd</sup> meeting held on 15.06.2021, wherein SEIAA was apprised as above. SEIAA perused the complaint and observed that residents of Homeland Heights have made a complaint with respect to the following:

- (i) STP of capacity 200 KLD is not working properly to its capacity and no arrangement has been made for utilizing the treated water for flushing purposes.

- (ii) Rain water harvesting pits are non-functional.
- (iii) 18 nos commercial shops have been constructed illegally by utilizing green area in place of 4 utility shops.

After deliberations, SEIAA decided to forward the complaint to Punjab Pollution Control Board with a request to verify the facts of the complaint and send the report to SEIAA within 15 days. Case be placed again before SEIAA after getting the report from PPCB.

**Item No. 183.11: CWP No. 10159 of 2021 titled Sudesh Kumari & Ors Vs State of Punjab & Ors.**

Facts of the matter are as under: -

Notice of motion in the subject cited matter was received from the Hon'ble High Court, Chandigarh. The subject cited CWP has been fixed for hearing on 02.07.2021. The details of petitioners and respondents of the CWP are given as under:

**Petitioners**

1. Sudesh Kumari wife of Tarsem Lal aged 60 years resident of Village Bhanam District Rupnagar.
2. Harjinder Singh son of Didar Singh aged 73 years resident of Village Taraf Majra, District Rupnagar.
3. Harbhajan Singh son of Banta Singh aged 73 years resident of Village Taraf Majra, District Rupnagar.
4. Darshan Singh son of Sangat Singh aged 69 years resident of Village Harsa Bela (Khamera) District Rupnagar.
5. Rajpal Singh son of Sarwan Singh aged 63 years resident of Village Harsa Bela (Khamera) District Rupnagar.

**Respondents**

1. State of Punjab through Secretary cum Director Department of Mines and Geology Punjab 17 Bays Building Sector 17 Chandigarh.
2. District Mining Officer, District Rupnagar Block.
3. Deputy Commissioner, District Rupnagar.
4. State Level Environment Impact Assessment Authority, Punjab (Ministry of Environment, Forest and Climate Change) Office at Punjab Pollution Control Board, Vatavaran Bhawan, Nabha Road, Patiala, through its Member Secretary.

In the aforesaid CWP, petitioner prayed that the Hon'ble High Court may issue writ order as under:

1. a writ, order or direction in the nature of prohibition as well as mandamus directing the resp no 1 to 4 to conduct thorough investigation and stop the illegal mining going in the Villages of the petitioners as well in periphery areas of District of Ropar as the same is illegal, unjust, arbitrary and is endangering the lives of the nearby villages and also the same is endangering the environment at large thus infringing upon Article 21 and 19 of the Constitution of India.
2. Humble Prayer for issuance for writ especially in the nature of certiorari as well as prohibition directing the State of Punjab not to carry out the process of de-silting the rivers Sutlej, Beas and Ravi and seasonal rivulets of Ghaggar and Chakki, without holding due auction process as stated in the auction notice dated 30.05.2019 (Ann P-1) (as the

same is destroying the agricultural land and residential areas of the nearby villages) and the same can be done only through proper demarcation of the site in the question and following guidelines stated in Annexure P-2 and Annexure P-P-3.

A copy of the CWP No. 10159 of 2020 is annexed as Annexure-14 of the agenda.

#### **1.0 Deliberations during 183<sup>rd</sup> meeting of SEIAA held on 15.06.2021.**

The matter was considered by SEIAA in its 183<sup>rd</sup> meeting held on 15.06.2021. SEIAA perused the CWP No. 10159 of 2020 and observed that besides the Prayers relating to the Mining Department, petitioner has raised certain issues / queries relating to SEIAA/SEAC regarding the competency to issue Environmental Clearance of quarry exceeding 50 ha; extending the validity of earlier granted Environmental Clearance; deployment of machinery in the river bed for mining minerals and enforcement of Sustainable Sand Mining Guidelines, 2016 and other guidelines issued time to time by the MOEF&CC.

To a query of SEIAA regarding, it was informed that in 08 no. of cases validity of environmental Clearance has been extended after 01.02.2020 out of which 05 cases are in District Rupnagar and remaining 03 cases are in District Pathankot. The extension in ECs has been granted subject to the conditions imposed by the MOEF&CC in the original Environmental Clearance granted and additional conditions proposed by SEAC as under:

- 1) The project proponent shall monitor the bed levels of the river pre-monsoon and post-monsoon and submit the compliance report to the Mining Department.
- 2) The Mining Department shall allow the mining activities on the mining site after ensuring the compliance of the conditions of Environment Clearance granted to the project.

SEIAA observed that while transferring and extending the Environmental Clearance, conditions regarding the enforcement of Sustainable Sand Mining Management Guidelines 2016 and provisions made in the Enforcement & Monitoring Guidelines for Sand Mining, 2020 have not been imposed on the Mining Contractor. Therefore, the following additional condition is required to be imposed in continuation to the earlier granted EC for carrying out the mining activities:

“The mining activity shall be carried out strictly as per guidelines contained in the Sustainable Sand Mining Management Guidelines 2016 and provisions made in the Enforcement & Monitoring Guidelines for Sand Mining, 2020 issued by MoEF&CC, New Delhi as amended from time to time and guidelines issued by Geological Survey of India.”

After detailed deliberations, SEIAA decided as under:

- i) Director DECC be requested to engage Sh. Suveer Sheokand, Additional Advocate General on behalf of SEIAA for defending the CWP as a similar matter is already being dealt with by him.



- ii) Matter be briefed to the Advocate, draft reply in the matter be prepared and same be placed in the next meeting of SEIAA so that the reply can be filed in the Hon'ble High Court in time.
- iii) Additional condition as mentioned above be imposed on all 08 cases in which Environmental Clearances have been extended by SEIAA, Punjab and mining Department be asked to ensure compliance of the conditions by the Lessees. Apart from these 8 cases in which extensions have been granted, Mining Department be asked to ensure compliance of SSMG 2016 and EMSGM 2020 Guidelines issued by the MOEF&CC as a general principle in all other cases too as directed by Hon'ble NGT in its orders dated 26.02.2021.

**Table Item No 01: Application for issuance of ToRs for carrying out EIA study for obtaining environmental clearance under EIA notification dated 14.09.2006 for setting up of new residential colony project namely "Suntec City by M/s the Indian Co-operative House Building Society Ltd, located at village Palheri (H.B. no. 173), Tehsil- Kharar and Village Raihmanpur (H.B no. 172), Tehsil- Majri, District- SAS Nagar, New Chandigarh, Punjab Proposal No. (SIA/PB/NCP/42854/2019)**

The facts of the case are as under:

### 1.0 Present case:

The project proponent has applied for issuance of TORs to M/s Suntec City for setting up of new residential colony project namely "Suntec City ", located at village Palheri (H.B. no. 173), Tehsil- Kharar and Village Raihmanpur (H.B no. 172), Tehsil- Majri, District- SAS Nagar, New Chandigarh, Punjab with proposed built-up area as 2,08,819.52 Sqm. The Project is covered under Activity 8(b) as per EIA notification-2006.

The project proponent submitted the Form I (Appendix I),1A, Conceptual Plan and other additional documents on online portal. They have also deposited the processing fee amounting to Rs.52,205/- (25% of the total fee) through DD No. 004758 dated 13.12.2019.

The application was scrutinized & essential details were sought on 12.01.2020 and 15.04.2020, to which the project proponent replied dated 27.02.2020 and 09.07.2020 respectively. The brief details are as under:

Sr. No.	Detail of the Document	Reply submitted by PP dated 12.01.2020
1.	Cost of the project duly certified by Chartered Engineer/ Approved valuer and Chartered Accountant	Rs 370 Cr, Certificate submitted
2.	Copy of the Master plan duly marked with project site.	Submitted.
3.	Pre-feasibility report/ conceptual Plan as per Ministry of Environment & Forests, Circular dated 30.12.2010.	Submitted.
4.	Proof of ownership of land	MOA submitted in favour of Sh. Ajay Sehgal

Sr. No.	Detail of the Document	Reply submitted by PP dated 09.07.2020
1.	Certificate of accreditation of EIA consultant	Consultant: P and M Solution Certificate No.NABET/EIA/1922/IA0053
2.	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	MOA submitted in favour of Sh. Ajay Sehgal
3.	Submit a Copy of Master Plan of the area showing land use pattern of the proposed site/certificate from Competent Authority intimating land use pattern of the project site as per proposals of the Master Plan of	Submitted.
4.	Undertaking for no litigation pending against the project.	No litigation is pending w.r.t. project, Undertaking submitted.

Environmental Engineer, PPCB, RO, SAS Nagar was requested vide email dated 15.09.2020 to send the construction status of the project site. However, the report was not sent by PPCB till the time of SEAC meeting.

The details of the project as given in Form 1, Pre-feasibility Report / Conceptual Plan, above EDS replies and other additional documents are as under:

Sr. no.	Description	Details	
1.	Name & Location of the project	M/s. The Indian Co-op House Building Society Ltd. at Village Palheri (H.B. No. 173), Tehsil Kharar and village Raihmanpur (H.B. No. 172), Tehsil Majri, Distt. SAS Nagar (Area 108.58 acres). New Chandigarh, Punjab	
2.	Project/activity	8(B)	
3.	Co-ordinates of all the corners of the project site as per following:		
	S.No.	Latitude	Longitude
	1.	30°47'40.11"N	76°41'42.76"E
	2.	30°47'41.38"N	76°41'40.67"E
	3.	30°47'26.04"N	76°41'7.23"E

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	4.	30°47'22.05"N	76°41'7.36"E
	5.	30°47'28.91"N	76°41'12.53"E
	6.	30°47'14.41"N	76°41'9.72"E
	7.	30°47'6.62"N	76°41'15.94"E
	8.	30°47'8.30"N	76°41'19.70"E
	9.	30°47'14.38"N	76°41'13.93"E
	10.	30°47'16.23"N	76°41'24.71"E
	11.	30°47'12.20"N	76°41'29.77"E
	12.	30°47'4.14"N	76°41'42.25"E
	13.	30°47'4.27"N	76°41'37.25"E
	14.	30°47'11.87"N	76°41'42.42"E
	15.	30°47'31.82"N	76°41'36.99"E
	16.	30°47'31.54"N	76°41'41.51"E
	17.	30°47'38.45"N	76°41'51.49"E
	18.	30°47'22.28"N	76°41'15.37"E
4.	Copy of the Master plan duly marked with the project site	Submitted	
5.	Copy of duly signed Layout plan	Submitted approved Layout plan vide Letter No. 5542-CTP(PB)/SP-454 dated 11-11-2016.	
6.	Pre-feasibility/ conceptual report	Submitted	
7.	Proof of ownership of land	Submitted	
8.	Details of CLU certificate	Submitted CLU by Department of Town & Country Planning, Punjab Memo no. 2629 CTP(PB)/SP-432 dated 03-06-16.	
9.	Copy of Memorandum of Article & Association.	Submitted Copy of Memorandum of Article in favour of Sh. Ajay Sehgal	
10.	Proposed ToRs (based on the standard ToRs)	Submitted	
11.	Classification/Land use pattern as per Master Plan	As per the New Chandigarh Master plan 2031 project falls in residential area.	
12.	Cost of the project	Rs. 370 Cr (Development 37.50 + Land 332.50)  EDS reply submitted Dated: 12.01.2020	
13.	Processing Fee details (Amount/NEFT no./dated)	Amount Rs 52,205/- Ref No:183512003671 DD No: "004758" dated 13-12-2019	

14. Detail of various components			
S.no.	Description	Particulars	Unit
1.	Plot Area (acres)	439407.67 sq.m. (108.58 acres / 43.94 Ha)	SQM
2.	Proposed Built Up Area	208819.52 sq.m	SQM
3.	Number of Building Blocks	557 (Plots) including Shopping, Education Site & EWS	Nos
4.	Total no of Saleable DU's	557 (Plots)	Nos
5.	Max Height of Building	28	Meter
6.	Max No of Floors	3	Nos
7.	Expected Population	13280	Persons
8.	Total Water Requirement	1647 Summer 1559 Winter 1532 Monsoon	KLD
9.	Freshwater requirement	1046	KLD
10.	Wastewater Generation	1307	KLD
11.	Proposed STP Capacity	2000	KLD
12.	Treated Water Available for Reuse	1176	KLD
13.	Rain Water Harvesting Potential	2805.06	CUM
14.	Proposed Total Parking	To be Done by individual flat owner	
15.	Surface Parking	To be Done by individual flat owner	ECS
16.	Basement Parking	Done by individual flat owner	ECS
17.	Required Green Area as per Plan	19837.69	SQM

	18.	Proposed Green Area (7.195% as approved plan)	23791.47 Sq.m. as per approved plan	SQM				
	19.	Municipal Solid Waste Generation	5850	KG/DAY				
	20.	Quantity of Hazardous Waste Generation	Not submitted	LTS/DAY				
	21.	Quantity of Sludge Generated from STP	Not submitted	KG/DAY				
15.	Breakup of Water Requirements & source in Operation Phase (Summer, Rainy, Winter):							
	S.No.	Season	Freshwater	Reuse water	Total (KLD)			
			Domestic (KLD)	Others (KLD)	Flushing (KLD)	Green area (KLD)	HVAC (KLD)	
	1.	Summer	1046	642	470	172	---	1647
	2.	Winter	1046	526	470	56	---	1559
	3.	Rainy	1046	486	470	16	---	1532
	S.No.	Description	Source of water					
	1.	Domestic	Water will be supplied by GAMADA					
	2.	Flushing purposes	Recycle water					
	3.	Green area	Recycle water					
16.	Details of acknowledgement of application filed to CGWA /Competent Authority for obtaining permission for abstraction of ground water		Not Applicable					
17.	Specify block of project site as per CGWA norms (Notified/Non-Notified)		Non- Notified					
18.	Details of Wastewater generation, Treatment facility & its Disposal arrangements in Construction Phase		Not submitted Qty Details of Wastewater generation. During Construction: Septic tank followed by soak pit					
19.	Details of Wastewater generation, Treatment facility & its Disposal arrangements in Operation Phase		Total wastewater generation will be 1307KLD which will be treated in proposed STP of 2000KLD based on SBR technology to be installed within					

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		project premises. The details of the breakup of the utilization of wastewater are as under: -			
		Season	Flushing (KLD)	Green area (KLD)	Disposal in GMADA Sever (KLD)
		Summer	470	172	534
		Winter	470	56	650
		Monsoon	470	16	690
		NOC regarding permission for disposal op treated water in proposed Sever Line of GMADA vide letter dated: 11.01.2019			
20.	Details of Rainwater recharging/Harvesting(m <sup>3</sup> /hr) proposal & technology proposed to be adopted	Total Rain Water: 2805.06 Cum/hr Harvesting pit and Tank total capacity: 137 cum No. of Pits proposed 21			
21.	Details of Solid waste generation (Qty), treatment facility and its disposal arrangement	5850.3 Kg/day during operation Treat as per the Solid Waste Management Rule 2016. GAMADA waste treatment facility			
22.	Details of Hazardous Waste&E-Waste generation (Qty), Treatment facility, and its disposal arrangement	Project Proponent informed that it is a residential project, hence, no Hazardous and E-Waste generated, A very less amount will be generated that will be treated as per the Solid Waste Management Rule 2016.			
23.	Detail of DG sets	Individual plot owners will make their own arrangement, 25 kVa D.G. will be provided to power failure.			
24.	Air pollution control device details	Water sprinkler will be used at site for regular water sprinkling			
25.	Energy Requirements & Saving	50. Nos of Solar Light, Energy-saving equipment Solar water heater will be used.			
26.	Details of Environmental Management Plan				
		Sr. No	Environmental Protection Measures	Capital Cost Rs. Lakh	Recurring Cost Rs. Lakh

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		1.	Monitoring of Environment components	--	3
		2.	Water Conservation measures	500	20
		3.	Energy Conservation Measures	6	0.5
		4.	Green Belt Development	215	5
		5.	Solid Waste Management	5	2
			Total	726	30.5
27.	<p>a. Details of Corporate Environmental Responsibility (CER) indicating various activities to be undertaken as per the provision of OM dated 01.05.2018</p> <p>b. Details of NOC from the village Sarpanch, Certificate from the School Principal &amp; concerned Govt. Departments etc.</p>	<p>Corporate Environment Responsibility (CER) Budget towards capital expenditure in accordance with the MoEF&amp;CC Office Memorandum F.No. 22-65/2017-IA.III dated 01.05.2018 for Social Welfare.</p> <p>The estimated cost of the project is Rs 370 Crores 2% of the project cost has been earmarked for the Corporate environment Responsibility (CER) to meet expenditures for the stakeholders as per social impact assessments. As per the commitment made during the public hearing an amount of Rs. 7.4 Crores will be spent</p> <p>Timeline and CER activity will be done at the time of EIA study</p>			
28.	<p>Details of green belt development shall include the following:</p> <p>a) No. of tree to be planted against the requisite norms.</p> <p>b) Percentage of the area to be developed.</p>	<p>a) No. of trees will be examined during the EIA Study</p> <p>b) 7.195 % (5.897 Acre/ 23791.47 Sq.m.) as per approved plan and 7526.54 additional.</p>			

## 2.0 Deliberations during the 193<sup>rd</sup> meeting of SEAC held on 26.09.2020

The meeting was attended by Sh. Ajay Sehgal, Director of the company and Mr. S. Brahma, Environmental Consultant, M/s Shivalik Solid Waste Management Ltd., Zirakpur. Environmental Consultant of the promoter company was not allowed to make a presentation for the proposal before SEAC as the construction status report was not sent by PPCB till the time of the meeting.

After detailed deliberations, SEAC decided to defer the case and the same shall be placed in the next meeting of SEAC after getting the construction status report from PPCB.



In compliance with the above decision, the Member Secretary, PPCB, was requested vide email dated 19.10.20 to send the construction status of the project site. However, the report is yet awaited.

### **3.0 Deliberations during the 194<sup>th</sup> meeting of SEAC held on 23.10.2020**

The meeting was attended by Sh. Devipal Sharma, Manager from the promoter company, Ms. Shivani Dutt & Sh. Suryakant Srivastva, Environment Consultant from M/s P & M Solutions Consultancy Services.

SEAC was apprised that construction status report from the PPCB has not yet received.

Environmental Consultant of the promoter company was not allowed to make a presentation for the proposal before SEAC as the construction status report was not sent by PPCB till the time of the meeting.

After detailed deliberations, SEAC decided to defer the case and the same be placed in the next meeting of SEAC after getting the construction status report from PPCB.

### **4.0 Deliberations during the 196<sup>th</sup> meeting of SEAC held on 01.03.2021**

The case was considered by SEAC in its 196<sup>th</sup> meeting held on 01.03.2021 and same was attended by following:

1. Sh. Devi Pal Sharma, representative of the Project Proponent.
2. Ms. Shivani Dutt, M/s P & M solutions, Noida.

It is submitted that the Punjab Pollution Control Board vide letter no. 4185 dated 23.10.2020 has sent latest construction status report which was placed before SEAC for consideration. SEAC perused the report and observed that the site of the project was visited by the Regional Office of the Punjab Pollution Control Board on 25.09.2020 and it was observed that the project proponent had laid sewer and inner roads in one pocket only i.e., approximately 4-5% of the total area. SEAC further observed that the project proponent affords an opportunity of personal hearing before the Chairman of the Board on 01.07.2019 due to the reason that the project proponent had started construction without obtaining Environmental Clearance under the EIA notification dated 14.09.2006. After hearing it was decided as under:

- i) The promoter company shall not carry out any development work at proposed site without getting environmental clearance as required under EIA notification no. S.O.4533 E dated 14.09.2006.
- ii) The promoter company shall furnish a bank guarantee amounting to Rs. 10.00 lacs which shall be valid for at least one year, to the Environmental Engineer, Regional Office, SAS Nagar within 7 days as an assurance to not to carry out any development work at site without getting environmental clearance as required under EIA notification dated 14.09.2006 as well as assurance to comply with the various environmental Laws/Rules.
- iii) The NOC applied by the promoter company be granted (after the submission of said bank guarantee) subject to the specific condition that the promoter company shall not carry out any development/construction work at site without getting environmental clearance as required under EIA notification dated 14.09.2006.

SEAC observed that as per EIA Notification dated 14.09.2006, the project proponent was required to obtain Environmental Clearance before starting any construction activity. But in the present case, the project proponent has already laid sewer and inner roads in one pocket only which is 4-5% of the total area. However, SEAC was of the view that laying of sewer and internal roads in one pocket is a minor construction activity and no major civil construction has been constructed by the project proponent. Moreover, Chairman, Punjab Pollution Control Board has already granted NOC to the project proponent after giving personal hearing on 01.07.2019.

SEAC further observed that the window for considering violation cases given by MoEF&CC, GoI had already expired on 13.04.2018 and thereafter no specific instruction for dealing with violation cases have been issued by MoEF&CC.

In view of above observations, SEAC after due deliberations decided to forward this case to SEIAA with the recommendation to allow SEAC to process cases of minor violation in the interest of development of State and to avoid unnecessary litigation.

### **3.0 Deliberations during 178<sup>th</sup> meeting of SEIAA held on 22.03.2021**

The case was considered by SEIAA in its 178<sup>th</sup> meeting held on 22.03.2021, wherein SEIAA observed that the EIA notification dated 14.09.2006 stipulates that all projects mentioned in the Schedule appended to the said notification are required to obtain Environmental Clearance prior to commencement of any construction or pre-construction work including preparation of land (except securing of land for the Project).

As per the construction status report of the PPCB the project proponent had commenced construction in the Project site by laying sewer pipes and making internal roads in part of the area without obtaining the requisite prior Environmental Clearance which is a clear case of violation of the EIA notification.

SEIAA, therefore, did not agree with the recommendations of SEAC that it may be allowed to process the case being one of "minor violation" since the EIA Notification neither defines nor differentiates between "minor" and "major" violations. The EIA Notification also does not empower SEIAA or SEAC to condone violations "in the interest of development of the State" or "to avoid unnecessary litigation" as recommended by SEAC.

SEIAA further observed that the MoEF&CC vide its notifications dated 14.03.2017, 08.03.2018, 15.03.2018, 16.03.2018 and 09.09.2019 had laid down procedures for entertaining and processing violation cases in respect of which Project Proponents had sought condonation prior to the final cut off window of 13.04.2018. However, no procedure has been prescribed by the MOEF&CC in respect of cases of violations after 13.04.2018. Taking into consideration the fact that more such cases of violations are bound to come up in future too, SEIAA decided that a detailed reference should be made to MOEF&CC suggesting a procedure for dealing with such cases keeping in view the spirit of the orders of various Courts and the NGT on the subject.

SEIAA further observed that effective mechanisms needed to be put in position to ensure that all the projects coming in the ambit of the EIA Notification apply for and obtain prior Environmental Clearance before start of project activities as stipulated in the Notification dated 14.09.2006.

After detailed deliberations, SEIAA decided as under:

- i) A detailed reference be made to MoEF&CC seeking clarity on dealing with cases in which violations of the EIA notification have occurred or come to light after 13.04.2018.
- ii) A copy of the EIA Notification dated 14-9-2006 be sent to all concerned Departments, Corporations, Boards and Municipalities in Punjab State which regulate activities falling in the schedule attached to the EIA Notification dated 14.09.2006. All such Departments / Organizations should be requested to make it mandatory that projects falling under the ambit of EIA notification should have the requisite Environmental Clearance before statutory clearances are issued to such projects by the concerned Departments / Organizations.
- iii) The above issues will also be discussed in the next Joint meeting of SEIAA and SEAC.

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

- i) A detailed reference has been made to MoEF&CC by SEIAA vide letter No 3772 dated 09.04.2021 requesting clarification on the procedure to be adopted for violations after 13.04.2018.
- ii) A copy of the EIA Notification dated 14-9-2006 has been sent through email to all concerned Departments, Corporations, Boards and Municipalities in Punjab State which regulate activities falling in the schedule attached to the EIA Notification dated 14.09.2006. All such Departments / Organizations have also been requested to make it mandatory that projects falling under the ambit of EIA notification should have the requisite Environmental Clearance before statutory clearances are issued to such projects by the concerned Departments / Organizations.
- iii) The above issue has been flagged and noted separately to discuss the same in the next Joint meeting of SEIAA and SEAC.

In the meanwhile, the Indian Cooperative Housing Building Society Ltd. (Registered SAS Nagar, Mohali vide letter dated 22.03.2021 (received on 24.03.2021) informed as under: -

- (i) Earlier, application was filed for grant of Environmental Clearance for residential colony project namely Suntec City located at Village Palheri (H.B. no. 173), Tehsil Kharar and Village Raihmanpur (H.B. no. 172), Tehsil Majri, District SAS Nagar, New Chandigarh, Punjab having plot area of 108.58 acre and built-up area of 2,08,819.52 sq.m.
- (ii) Now, they have changed the planning of the project in a way that only development work will be undertaken by them in the form of laying of roads, plumbing, electrical lines, etc. within the project and no construction on any plot or group housing will be done by them.
- (iii) They wish to draw SEIAA attention towards EIA Notification, 2006 and its amendments, if the plot area of the project is more than 50 ha or built-up area is more than 1,50,000 sq.m. then, it comes under schedule 8 (b). As plot area of their project is 108.58 acres (44.34 ha) which is less than 50 ha and no construction on any plot or group housing will be done by them; thus, project does not fall under the purview of Environmental Clearance.

- (iv) Further, they assure that consent to Establish will be obtained from Punjab Pollution Control Board for the said development work. And if, the group housing site within the project will be having built-up area more than 20,000 sqm. then separate Environmental Clearance will be obtained for the said group housing site by the individual plot owner.
- (v) As such, it is requested to kindly allow the withdrawal of their application submitted for the Environmental Clearance.

#### **4.0 Deliberations during 179<sup>th</sup> meeting of SEIAA held on 12.04.2021**

The case was considered by SEIAA in its 179<sup>th</sup> meeting held on 12.04.2021, which was attended by Sh. Devi Pal Sharma and Dr. Sandeep Garg Environmental Consultant on behalf of the promoter company.

During the meeting, SEIAA was apprised that Member Secretary, PPCB vide letter no. 1777 dated 05.04.2021 in reference to the email dated 19.10.2020 informed that the proposed site of the project is situated in the residential area as per the notified Master Plan of New Chandigarh. Further, there is no MAH industry within a radius of 250 m from the boundary of the proposed site of the project. There is no Air Polluting Industry within 100 m radius from the boundary of the proposed site of the project. Therefore, the site of the project is conforming to siting guidelines laid down by the Govt. of Punjab, Department of Science, Technology & Environment vide order dated 25.07.2008 as amended on 30.10.2009.

As per the record of this office, the industry has applied for consent to establish (NOC) of the Board through OCMMS in the month of January, 2019. The industry has submitted proposal to abstract ground water @2200 KLD and 1887 KLD effluent will be treated. The project proponent has submitted proposal to install STP of capacity 2 MLD based on SBR technology. The treated effluent @ 1698.3 KLD will be utilized onto land for horticulture and plantation area (35.565 acre horticulture land and 6.5 acre onto land for plantation as per Karnal technology). The remaining treated effluent will be discharge into GMADA sewer. The project proponent has submitted a proposal to dump the solid waste at authorized dumping site for which GMADA has issued permission to the project proponent vide no. SE(C1)/GMADA/2019/84 dated 11.01.2019.

Environmental Consultant of the promoter company informed that the planning of the project has been changed and they are in the process of getting the approval for the revised layout plan of the project. To a query by SEIAA regarding commencing construction of internal roads and laying of sewers in violation of the EIA 2006 as reported by PPCB vide letter No 4185 dated 23.10.2020, Environmental Consultant stated that the planning has been changed by the promoter company and construction work has been stopped. Environmental Consultant reiterated the submissions made vide their aforementioned letter dated 22.03.2021 that the Project Proponent would not be undertaking any construction itself and hence no violation has been made by the project proponent at this stage.

To another query of SEIAA, the project proponent and Environmental Consultant both stated that if their present application for withdrawal is accepted, they will apply afresh for

Environmental Clearance for their project after getting the revised layout plan of the Township & Area Development project.

SEIAA was not satisfied with the reply of project proponent due to the following reasons:

- i) The application for withdrawal appears to have been submitted by the Project proponent only to escape the anticipated action against them regarding the violations made by them by commencing work on the project prior to obtaining EC in contravention of the EIA Notification, 2006. This is evidenced by the fact that they have submitted detailed maps, plans and extensive other documentation for the Project which all consistently state that the built-up area of the project will be 2,08,819.52 sq mts. They have also consistently been following up their case since 2019. Even as late as the SEAC meeting held on 01.03.2021 attended by the Project Proponent and their Environmental Consultant, no mention has been made of any change in plans or withdrawal of their application. The request for withdrawal has suddenly been made only after SEIAA took cognizance of the violations made by the Project Proponent and prima facie appears to have been done only to escape action against them for the said violations.
- ii) The Project Proponent's main contention is that since the construction of the built-up area is no longer proposed to be undertaken by them, the EIA Notification 2006 will not be applicable to their Project. This argument is not tenable since the EIA Notification 2006 is applicable to all projects having total area above 50 hectares and /or built up area above 1,50,000 sq mts regardless of whether the Project Proponent or any other agency / person undertakes the actual construction. The application for obtaining EC has been made by the Project Proponent in which an exact figure of 2,08,819.52 sq mts built-up area has been computed. Since this built-up area is in excess of the threshold figure of 1,50,000 hectares, the Project is covered under the EIA Notification 2006, irrespective of whether the construction is done by the Project Proponent or by any other agency.
- iii) The violations reported by the PPCB vide their letter dated 23.10.2020 obviously ante-date the said letter of the PPCB. Hence the violations occurred well before the Project Proponent requested withdrawal of their application vide letter dated 22.03.2021 and thus, attract the relevant provisions of EIA Notification 2006.

After detailed deliberations, SEIAA decided to issue notice to the Project Proponent to show cause why action should not be initiated against them in respect of the aforementioned violations under Section 5 of the Environmental Protection Act, 1986. SEIAA further decided that a copy of the notice be also sent to PPCB stating that "Consent to Operate" may not be granted to the Project Proponent till a final decision is taken in the matter. Project Proponent also be directed not to undertake any further construction till a final decision in the matter is taken by SEIAA.

In compliance with the aforesaid decision, the following action have been taken:

- i) Show cause notice has been issued vide letter no 4069 dated 04.05.2021 to the project proponent. A copy of the notice has been endorsed vide no 4070 dated 04.05.2021 to PPCB stating that "Consent to Operate" may not be granted to the Project Proponent till a final decision is taken in the matter

- ii) Project Proponent has been directed vide letter no 4071 dated 04.05.2021 not to undertake any further construction.

The project proponent vide letter no 2161 dated 17.05.2021 sought additional time to reply the show cause notice issued by SEIAA vide letter no 2176 dated 11.06.2021 due to reason that management and most of the employees were suffering from COVID-19 pandemic; thus; they will not be able to submit the reply of show cause in the given timeline. Therefore, it was requested to give additional time frame of 15 days,

The project proponent has now submitted the reply to show cause notice vide letter no 2176 dated 11.06.2021 in reference to SEIAA letter no 4069 dated 04.05.2021. A copy of reply was annexed as Annexure-B of the agenda.

### **5.0 Deliberations during 183<sup>rd</sup> meeting of SEIAA held on 15.06.2021**

The case was considered by SEIAA in its 183<sup>rd</sup> meeting held on 15.06.2021, which was attended by Sh. Devi Pal Sharma and Dr. Sandeep Garg Environmental Consultant on behalf of the promoter company.

Environmental Consultant of the promoter company submitted that they agreed to pay for the Environmental degradation as well as to undertake the CSR activity in the area around the Project site in lieu of the minor violation done by the Project Proponent. Further, violation window for the Environmental Clearance given by MoEF&CC has already been closed on 13.04.2018. As such, it is requested to take a lenient view on their case and consider the case for out of court settlement by imposing Environmental Compensation as applicable and grant them the Environmental Clearance on the basis of MoEF&CC Notification dated 08.03.2018.

SEIAA was also apprised that the matter regarding procedure to be adopted for violation cases identified after the final cut off window of 13.04.2018, was also considered in the 12<sup>th</sup> Joint Meeting of SEIAA/SEAC held on 09.06.2021 and it was noticed that no reply has been received from the MoEF&CC in reference to the letter no. 3772 dated 09.04.2021 to provide clarity on dealing with cases in which violations of the EIA notification have occurred or come to light after 13.04.2018 so that SEIAA Punjab may adopt similar procedures for dealing with such cases. A reminder has also been sent vide email dated 19.05.2021 to the Ministry but a reply is still awaited.

As such, it was decided by the Joint Committee that another reminder may be issued to the Ministry. In case, clarification is still not received, matter may be re-examined and decision taken whether the procedure prescribed in MOEF&CC Notification dated 14.03.2017 for dealing with the violation cases (which is continuing to be adopted by the MoEF&CC for post 14.03.2018 violations) may also be adopted by SEIAA/SEAC, Punjab for such fresh violations which come to notice after 14.03.2018.

After detailed deliberations, SEIAA decided to defer the case for a period of 01 month during which efforts should continue to be made to get the required clarification from MOEF&CC.

**Table Item No. 02: Request regarding refund of application fee deposited for grant of Environmental Clearance for expansion of the grain based distillery unit located at Village Machhana and Sangat Kalan, Tehsil Sangat, District Bathinda, Punjab by M/s BCL Industries Ltd.**

The facts of the matter are as under:

### **1.0 Background**

It is submitted that M/s BCL Industries Ltd. has submitted application bearing proposal no. SIA/PB/IND2/204489/2021 on PARIVESH web portal of MoEF on 20.03.2021 for installation of 200 KLPD grain-based Ethanol Plant (Biofuel) and 10 MW of Power Cogeneration at the existing grain-based distillery plant located at Village Machhana and Sangat Kalan, Tehsil Sangat, District Bathinda, Punjab.

The said application was scrutinized and it was informed to the project proponent on 25.05.2021 to the effect that the matter has been considered and the competency to decide the case falls with the MoEF&CC in light of MoEF&CC notification dated 13.06.2019 and 02.03.2021.

### **2.0 Present Case**

The project proponent has submitted a request dated 04.06.2021 regarding refund of application fee Rs. 14 lacs deposited for grant of Environmental Clearance for expansion of the grain-based distillery unit as the case was returned on 25/05/2021 with a clear-cut intimation that MoEF&CC is the Competent Authority for the Environmental Clearance of the proposed expansion project under Category B2 as per MoEF Notification dated 2<sup>nd</sup> March, 2021. A copy of the request submitted by M/s BCL Industries Ltd. is annexed at Annexure-15 of the agenda.

Further, an amount of Rs. 14 lacs have been deposited in the account of Society of Mission Tandrust, Punjab having account no. 031922010000041 (IFSC Code: UBIN903191) toward processing fees of the case and the same has been verified from the entry made in the passbook of the Union Bank of India, Chandigarh. A copy of the relevant part of the passbook is annexed at Annexure-16 of the agenda.

### **3.0 Deliberation during the 183<sup>rd</sup> meeting of SEIAA held on 15.06.2021.**

The request of the industry was considered by SEIAA in its 183<sup>rd</sup> meeting held on 15.06.2021 wherein it was apprised as above. Further, it was informed that M/s BCL Industries has already successfully uploaded application in the Parivesh Portal bearing proposal no. IA/PB/IND2/27543/2014 dated 02.06.2021 with the MOEF&CC for the proposed expansion of the project.

It was also apprised that as per the clause no. (iii) of Govt. Notification No. 10/167/2013-STE(5)/1510178/1 dated 27.06.2019, no refund of processing fees shall be entertained once the application is submitted. To this, SEIAA observed that Govt Notification dated 27.06.2019 also stipulates as under:

- (i) As per the said notification, the processing fee shall be applicable for all cases for which Environmental Clearances is required from SEIAA/SEAC.

- (ii) Fee shall be paid by the applicant seeking Environmental Clearance in order to provide requisite logistics, secretariat, IT and other technical support to SEIAA/SEAC.

The above two conditions for charging processing fees are not met in this case since neither is the EC required from SEIAA nor is the case being processed by SEIAA/SEAC. Hence the processing fee is not required to be deposited by the applicant in this case.

In view of the above, the processing fee deposited by the applicant is required to be refunded and as such, SEIAA decided to accept the request of the applicant regarding refund of processing fee of Rs. 14 lacs.

After detailed deliberations, SEIAA decided that Director, DECC be requested to refund the processing fee of Rs.14 lacs to M/s BCL Industries Ltd. since application of EC has not been processed by SEIAA/SEAC, Punjab and the case is under process in the MOEF&CC.

Meeting ended with a vote of thanks to the Chair

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