

Proceedings of 166th Meeting of SEAC

DATE : 24.05.2018
TIME : 10.00 A.M.
**VENUE : Committee Room,
2nd Floor, PPCB,
Vatavaran Bhawan,
Nabha Road, Patiala**



State Expert Appraisal Committee

VATAVARAN BHAWAN, NABHA ROAD, PATIALA

Proceedings of the 166th meeting of State Expert Appraisal Committee held on 24.05.2018 at 10.00 AM in the Committee Room, Punjab Pollution Control Board, Nabha Road, Patiala.

The Following were present: -

Sr. No.	Name	Designation
1.	Sh. Yogesh Gupta	Chairman
2.	Dr. Adarsh Pal Vig	Member
3.	Er. Gurinder Jit Singh	Member
4.	Er. Nirmal Singh Kahlon	Member
5.	Sh. A.K. Bhatia	Member
6.	Dr. Sandeep. S. Viridi	Member
7.	Dr. Pawan Krishan	Member
8.	Sh. Deepak Sethi	Member
9.	Sh. Samarjit Kumar Goyal	Secretary

At the outset, Secretary, SEAC welcomed the members of the Committee in its 166th meeting. Thereafter, the agenda was taken up for consideration.

Item No.166.01: Confirmation of the proceedings of 165th meeting of State Level Expert Appraisal Committee held on 21.04.2018

It was informed that the proceedings of 165th meeting of State Level Expert Appraisal Committee held on 21.04.2018 were circulated to all concerned vide letter 576-89 dated 30.04.2018 and were also sent through email dated 30.04.2018. Comments upon the proceedings received from Sh. A. K Bhatia, Member (SEAC) on 23.05.2018 were deliberated upon and decided as under: -

1. In item no. 165.03 i.e. application for obtaining EC for establishment of Group Housing project namely "Ambika Homes", condition no. (xvi) in "Construction Phase" and condition no. (vii) in "Operation Phase and Entire Life" regarding rainwater harvesting/ recharging system has been imposed.

2. A term of reference regarding impact due to ground water abstraction on ambient ground water will be imposed in future cases.
3. Observations & reply given by the project proponent will be discussed in the end of the meeting and will be accepted thereafter.
4. MoEF&CC has already issued OM NO. F.No. J-12011/3/2005-IA (CIE) part dated 15/05/2007 regarding award of the grading while appraising EC. Points are to be awarded to the projects as per the criteria given in the said OM for environmental grading.
5. Regarding checking of the documents submitted by project proponent, it was informed that after scrutiny, only complete cases are accepted.

After detailed deliberations, the SEAC confirmed the proceedings of the said meeting.

Item No.166.02: Action taken on the proceedings of 164th & 165th meeting of State Level Expert Appraisal Committee held on 10.04.2018 & 21.04.2018 respectively.

The details of the action taken on the proceedings of 164th & 165th meeting of State Level Expert Appraisal Committee held on 10.04.2018 & 21.04.2018, were seen by the SEAC.

Item No.166.03: Application for issuance of TORs for obtaining environmental clearance under EIA notification dated 14.09.2006 for the development of commercial project namely "Judicial Court Complex and District Administrative Complex", District Tarn Taran, Punjab by Executive Engineer, Construction Division no. 1, PWD (B&R), Court Road, Amritsar. (Old Proposal No. SIA/PB/NCP /52903 /2016 for EC, New Proposal No. SIA/PB/NCP /25479/2018 for TORs)

The SEAC observed that no one from the project proponent side attended the meeting.

The SEAC was apprised that project proponent has requested through email dated 23.05.2018 for the deferment of the case due to some urgent work.

The Committee accepted the request of the project proponent and in compliance to the office memorandum dated 25.02.2010 of the MoEF, decided to defer the case.

Item No.166.04: Application for issuance of TOR under EIA notification dated 14.09.2006 for establishment of Educational Institutional Complex i.e. Expansion of the Existing Institute at Village Sarmastpur, Jalandhar- Pathankot Highway, Jalandhar developed by M/s DAV College Trust & Management Society, New Delhi (Proposal no SIA/PB/NCP/17259/2016)

The SEAC was apprised that project proponent has submitted online request on 24.05.2018 for withdrawal of his application intimating that the planning of expansion project has been withdrawn.

Sno.	Proposal No.	Letter	Reason/Remarks	Submission Date	Status
1	SIA/PB/NCP/17259/2016	<u>Covering Letter</u>	The expansion project planning withdrawn	24 May 2018	Proponent

A copy of the letter no. DAVU/Regr/2017/6269 dated 04/128/2017 has been submitted alongwith online request for withdrawal of the application.

The SEAC observed that project proponent is not present in the meeting. After detailed deliberations, SEAC decided to defer the case and ask the project proponent to be present in the next meeting of SEAC as and when scheduled.

Item No.166.05: Application for issuance of TORs for obtaining environmental clearance under EIA notification dated 14.09.2006 for developing a residential cum commercial complex namely "Palm Gardens" in the revenue estate of Village Sahnewal Khurd, Bilga, Majra, Tehsil & Distt Ludhiana by M/s Malhotra Land Developers & Colonizers Pvt. Ltd. (Old Proposal no. SIA/PB/NCP /18592 /2015 for EC, New Proposal No. SIA/PB/NCP/22976/2018 for TORs)

The SEAC observed that:

M/s Malhotra Land Developers & Colonizers Pvt. Ltd. have applied for obtaining the Environmental Clearance under EIA notification dated 14.09.2006 for developing a residential cum commercial complex namely "Palm Gardens" in the revenue estate of Village Sahnewal Khurd, Bilga, Majra, Tehsil & Distt Ludhiana. The project is covered under category 8 (b) of the Schedule appended to the said notification. The details of the project as given in Form 1 and 1A and other documents are as under:

- The total land area of the project is 670867 sqm (165.8 acres) and the total built up area is 228557.84 sqm. The project consists of 998 residential plots, 2 no. group housing plots, EWS flats and commercial area (SCO/SCF, shops/booths, multiplexes).
- The total water requirement for the project is 1000 KLD, which will be met through own tubewells.
- The total load of electricity required for group housing will be 6100 KW which will be taken from the PSPCL. There is a proposal to install DG sets as stand-by arrangement.
- The e-waste generated is stored in an isolated room and will be sold to the manufacturers.
- Used oil to be generated from the DG sets will be managed & handled as per the provisions of the Hazardous Wastes (Management, Handling & Transboundary Movement) Rules, 2008.

Regional Office-2, Punjab Pollution Control Board, Ludhiana was requested vide e-mail dated 19.08.2015 to visit the project site and submit report regarding latest construction status.

Environmental Engineer, Regional Office-2, Punjab Pollution Control Board, Ludhiana vide letter no. 2254 dated 24.08.2015 has intimated that the site was visited by the concerned AEE of this office on 20.08.2015 and observed that:

- The colonizer has constructed 15-16 blocks, in which 24 residential flats are fully constructed & in about 3-4 flats, families residing. In addition, 8 shops are also constructed within the blocks.
- The STP is not completed yet & only the equalization tank was found constructed during visit. The domestic effluent of the families residing in the

flats is discharged into the equalization tank through sewer. Due to less accommodation, very small quantity of effluent was found in equalization tank.

- A brick kiln exists at the backside of the colony, which is app. 300 feet from the boundary wall of colony.
- M/s Singla Hot Mix Plant and M/s Bansal Spinning Mills also exist at a distance of about 300m & 25 m respectively from the site of colony but no buffer zone (Green Belt) was found at either end of each industry. There also exists an industry named "Phoeniz Agritech" near to boundary wall of colony.
- The colonizer has provided 3 tubewells & only one tubewell was equipped with water meter & as per the representative of project Mr. Gaurav Sodhi (General Manager) only one tubewell out of three was in operation.
- Another 2-acre complex in a name of "Yellow Leaf" also exists within the premises of Palm Garden. However, as per the representative of project proponents, the "Yellow Leaf" is a government regularized complex and responsibility of providing water supply, sewers and STP for complex lies with PUDA.
- No proper rainwater harvesting system has been provided by colonizer.

The case was considered by the SEAC in its 129th meeting held on 11.09.2015 & 130th meeting held on 25.09.2015, but no one from the project proponent attended said meetings.

As such, in light of Office Memorandum dated 25.02.2010 of the Ministry of Environment & Forests, Govt. of India, the case was deferred by the SEAC in both meetings.

The case was considered by the SEAC in its 134th meeting held on 23.10.2015, which was attended by the Sh. Pardeep Kaushal, General Manager of the promoter company on behalf of project proponent.

The SEAC was apprised that the SEIAA in its 95th meeting held on 08.10.2015 vide item No. 95.53 has taken the following decision:

The Hon'ble NGT has passed Orders dated 07.07.2015 in O.A. No. 37 of 2015 (M.A. No. 291, 293 & 294 of 2015) and O.A. No. 213 of 2014 & M.A. No. 755 of 2014 & M.A. No. 177 of 2015 titled as S.P. Muthuraman Vs Union of India. In the said orders it has been mentioned that there is no provision for obtaining post environmental clearance in the EIA notification dated 14.09.2006. As per the

notification, the project proponent is required to obtain prior environmental clearance before starting any construction/development activity at the project site.

M/s Dugar Housing Ltd, who was amongst the respondents in the said O.A. has filed Civil Appeal No. 7191-7192/2015 in the Hon'ble Supreme Court of India against S.P. Muthuraman & others (Petitioners in O.A. before Hon'ble NGT). The Hon'ble Supreme Court of India on the above mentioned Civil Appeal has passed the following orders on 24.09.2015:

"Notice.

In the meantime, the operation of the impugned judgments(s) and order(s) passed by the Green Tribunal New Delhi shall remain stayed."

The matter was considered by the SEIAA in its 95th meeting held on 08.10.2015 and decided to refer the pending cases alongwith other similar cases, if any, sent by the SEAC but not placed in the agenda be referred to SEAC for appraisal in light of change in the legal status. However, the final decision will be taken based upon the legal opinion to be received from Punjab Pollution Control Board.

After detailed deliberations, the SEAC in light of the stay granted by the Hon'ble Supreme Court and decision taken by the SEIAA in similar cases, decided as under:

To forward the case to SEIAA with the following recommendations:

- (i) For initiating credible action against project proponent /responsible persons /Promoter Company under the Environment (Protection) Act, 1986subject to the outcome of the Hon'ble Supreme Court, due to start of construction activities of the project without obtaining Environmental Clearance under EIA notification dated 14.09.2006.
- (i) For issuance of directions under Section 5 of the Environment (Protection) Act, 1986 subject to the outcome of the Hon'ble Supreme Court, to restrain the promoter company from carrying out any further construction activity of the project till the environmental clearance under EIA notification dated 14.09.2006 is obtained.
- (ii) To ask the project proponent to submit a formal resolution passed by the Board of Directors of the Company or to the Managing Committee /CEO of the Society, Trust, partnership /individually owned concern, within 60 days, subject to the outcome of the Hon'ble Supreme Court, mentioning that violations will not be

repeated in future and in the meantime, the project may be delisted. In the eventuality of not having any response from the project proponent within the prescribed limit of 60 days, the project file may be closed.

However, recommendations will be subject to the legal opinion to be given by the Law Officer/standing counsel of the PPCB as well as final order of the Hon'ble Supreme Court of India in the matter of Civil Appeal No. 7191-7192/2015 as may be applicable to this project and decision of any Competent Court to the extent applicable.

The case was considered by the SEIAA in its 98th meeting held on 28.11.2015, but no one from the project proponent attended said meeting.

The SEIAA decided to defer the case in light of Office Memorandum dated 25.02.2010 of the Ministry of Environment, Forests & Climate Change, Govt. of India.

The case was again considered by the SEIAA in its 100th meeting held on 28.12.2015, which was attended by Sh. Deepak Ratra, representative of the promoter company.

During the meeting, he submitted a written request wherein, it has been mentioned that Mrs. Anita Malhotra being non-working Director has no role to play in day to day working affairs of the company be exempted from credible action. The said request was considered & accepted by the SEIAA.

After detailed deliberations, the SEIAA decided to accept the recommendations of SEAC and taken the following decision:

- a) To ask the project proponent to submit, within 60 days, a formal resolution passed by the Board of Directors of the Company or to the Managing Committee /CEO of the Society, Trust, partnership /individually owned concern, mentioning that violations in respect of starting construction activities without obtaining environmental clearance under EIA notification dated 14.09.2006, are unintentional and will not be repeated in future. In the meantime, the project be delisted. In case, the project proponent fails to submit the said resolution within a period of 60 days, it will be presumed that the project proponent is no longer interested in pursuing the project further and the project file will be closed and the project proponent will have to initiate the procedure *de novo* for obtaining environmental clearance.

- (b) To initiate credible action against project proponent(s), responsible person(s) & promoter company by invoking powers u/s 19 of the Environment (Protection) Act, 1986 as delegated by Ministry of Environment & Forests vide notification No. S.O. 638 (E) dated 28.02.2014 due to start of construction activities of the project without obtaining Environmental Clearance under EIA notification dated 14.09.2006. Punjab Pollution Control Board be written in this regard for taking necessary legal action u/s 15 read with section 16 of the Environment (Protection) Act, 1986 for the period for which the violation has taken place against the project proponent(s) and persons responsible and all the Directors of the company except Mrs. Anita Malhotra, Director.
- (c) To issue directions under section 5 of the Environment (Protection) Act, 1986 as delegated by Ministry of Environment & Forests vide notification No. S.O. 637 (E) dated 28.02.2014 to restrain the promoter company from carrying out any further construction or operation activity of the project till the environmental clearance under EIA notification dated 14.09.2006 is obtained.
- (d) To inform the project proponent that the application for environmental clearance under EIA Notification dated 14.09.2006 will be considered only after the compliance of decision (a) above and action is initiated for violating the provisions of the EIA notification dated 14.09.2006 due to start of construction work of the project without obtaining environmental clearance.

However, all the above decisions are subject to the final orders of the Hon'ble Supreme Court of India in the matter of Civil Appeal No. 7191-92 of 2015 as may be applicable to this project and decision of any competent court to the extent applicable.

Accordingly, project proponent was requested vide letter no. 939 dated 27.01.2016 to comply with the decision taken by the SEIAA as para no. (a) above and submit the reply of the same. The project proponent has also informed vide letter no. 939 dated 27.01.2016 regarding the decision of SEIAA as mentioned at para (d) above. Direction u/s 5 of the EPA, 1986 has been issued vide letter no. 940 dated 27.01.2016 to the project proponent in compliance with the decision taken by the SEIAA as para no. (c) above. Further, Member Secretary Punjab Pollution Control Board was requested vide letter No. 937 dated 27.01.2016 to initiate credible action against

project proponent(s) in compliance to the decision taken by the SEIAA as para (b) above.

Punjab Pollution Control Board, Zonal Office-I, Patiala vide letter no. 2434 dated 11.04.2016 informed that prosecution as directed by SEIAA against the project proponents and its responsible persons of the project namely M/s Palm Garden. Village Sahnewal Khurd, Bilga-Majra, Tehsil & Distt. Ludhiana u/s 15 & 16 read with section 19 of the Environmental (Protection) Act, 1986 has been filed in the Hon'ble Court of Law and the case has been fixed for next hearing on 08/08/2016.

The project proponent has also submitted a copy of the resolution passed in the meeting of the Board of the Directors of the company held on 10.02.2016 at the registered office of the company under the chairmanship of Sh. Ashok Malhotra to the effect that violation in respect of starting construction activities at mega housing project "Palm Garden" at Vill Sahnewal Khurd, Bilga and Majara, Tehsil & Distt. Ludhiana without obtaining Environmental Clearance under EIA notification dated 14.09.2006, are un-intentional and will not be repeated in future. Further, he assured that no violation of Environmental laws will be committed in future.

The case was placed in 145th meeting & 146th meeting of SEAC held on 11.05.2016 & 30.05.2016 respectively but no one from the project proponent side attended the meeting.

As such, in light of Office Memorandum dated 25.02.2010 of the Ministry of Environment & Forests, Govt. of India, the SEAC decided to defer the case in both meetings and ask the project proponent to attend the next meeting as and when called for.

The case was considered by the SEAC in its 147th meeting held on 30.06.2016, which was attended by the following: -

- (i) Sh. Deepak Ratra, General Manager of the promoter company on behalf of project proponent.
- (ii) Sh. Sumitara Dutta, EIA Expert from CPTL, Mohali, Environmental Consultant of the promoter Company

The SEAC allowed the project proponent to present the salient features of the project. The Environmental Consultant of the promoter company thus presented the salient features of the project as under: -

- The total land area of the project is 670867 sqm (165.8 acres) and the total built up area is 228557.84 sqm. The project consists of 998 residential plots, 2 no. group housing plots, EWS flats and commercial area (SCO/SCF, shops/booths, multiplexes).
- The total water requirement for the project is 1000 KL/day which will be met through own tubewells.
- The total load of electricity required for group housing will be 6100 KW which will be taken from the PSPCL. There is a proposal to install DG sets for stand-by arrangement.
- The e-waste generated is stored in an isolated room and will be sold to the manufacturers.
- Used oil to be generated from the DG sets will be managed & handled as per the provisions of the Hazardous Wastes (Management, Handling & Transboundary Movement) Rules, 2008.
- The project proponent has submitted the proposed Terms of Reference (TORs).

He requested that standard ToRs prescribed by Ministry of Environment, Forests & Climate Change for such type of projects may be considered as draft ToRs proposed by them.

After deliberations on the proposed Terms of Reference (TOR) suggested by the project proponent, the SEAC decided to recommend to SEIAA to issue the "Terms of Reference" to the project proponent for Environmental Impact Assessment Study of the proposed project. A detailed draft EIA/EMP report should be prepared as per the TOR's and shall be submitted to the SEAC as per the provisions of the EIA Notification dated 14.9.2006. The 'Terms of Reference' will be valid for a period of three years from its issuance.

The case was considered by the SEIAA in its 111th meeting held on 11.07.2016, which was attended by the following on behalf of project proponent:

- (i) Sh. Deepak Kumar, General Manager of the promoter company on behalf of project proponent.

- (ii) Sh. Sital Singh, EIA Expert from CPTL, Mohali, Environmental Consultant of the promoter Company.

Environmental Consultant of the promoter company presented the salient features of the project before the SEIAA and requested for issuance of TOR.

The SEIAA looked into the details of the case and was satisfied with the same. Therefore, the Authority decided to accept the recommendations of SEAC and to issue Terms of Reference as proposed by the SEAC. The SEIAA also decided that the project proponent shall submit final EIA /EMP based upon the TOR for Appraisal of its project.

Accordingly, the Terms of Reference were issued to the project vide letter no. 2960 dated 21.07.2016.

The project proponent submitted EIA report online on 20.02.2017 based on the earlier issued TORs.

The case was considered by SEAC in its 155th meeting held on 23.02.2017, which was attended by the following on behalf of project proponent:

- (i) Sh. Deepak Ratra, General Manager of the promoter company.
- (ii) Sh. Sandeep Singh Dhanoa, FAE, M/s CPTL, Chandigarh, Environmental Consultant of the promoter Company.

The SEAC allowed the project proponent to present the salient features of the project and the environmental consultant started presenting EIA report. However, the SEAC observed that the presentation is not upto the mark and needs revision.

After deliberation, the SEAC decided that the case be deferred and asked the project proponent to come up with revised presentation in the next meeting as & when held.

The case was considered by the SEAC in its 156th meeting held on 06.04.2017, which was attended by the following: -

- (i) Sh. Deepak Ratra, General Manager of the promoter company on behalf of project proponent.
- (ii) Sh. Sumitara Dutta, EIA Expert from CPTL, Mohali, Environmental Consultant of the promoter Company

Sh. Deepak Ratra submitted an authority letter wherein he has been authorized by the Managing Director of the promoter company to attend the meeting of SEAC-SEIAA for obtaining environmental clearance for its project namely Palm

Gardens. Similarly, Sh. Sumitara Dutta submitted an authority letter wherein he has been authorized by authorized signatory on behalf of CPTL-EIA Division, Mohali to present the case of the Promoter company before SEAC on 06.04. 2017. The said authority letter was taken on record by the SEAC.

The SEAC observed that Ministry of Environment, Forest and Climate change, New Delhi vide Notification No. S.O. 804(E) dated 14.03.2017 has laid down the procedure to deal with the violation cases and has made the following amendments in the EIA Notification, 2006: -

- a) In case the projects or activities requiring prior environmental clearance under Environment Impact Assessment Notification, 2006 from the concerned Regulatory Authority are brought for environmental clearance after starting the construction work, or have undertaken expansion, modernization, and change in product- mix without prior environmental clearance, these projects shall be treated as cases of violations and in such cases, even Category B projects which are granted environmental clearance by the State Environment Impact Assessment Authority constituted under sub-section (3) Section 3 of the Environment (Protection) Act, 1986 shall be appraised for grant of environmental clearance only by the Expert Appraisal Committee and environmental clearance will be granted at the Central level.
- b) In cases of violation, action will be taken against the project proponent by the respective State or State Pollution Control Board under the provisions of section 19 of the Environment (Protection) Act, 1986 and further, no consent to operate or occupancy certificate will be issued till the project is granted the environmental clearance.
- c) The cases of violation will be appraised by respective sector Expert Appraisal Committees constituted under subsection (3) of Section 3 of the Environment (Protection) Act, 1986 with a view to assess that the project has been constructed at a site which under prevailing laws is permissible and expansion has been done which can be run sustainably under compliance of environmental norms with adequate environmental safeguards; and in case, where the finding of the Expert Appraisal Committee is negative, closure of the project will be recommended along with other actions under the law.

- d) In case, where the findings of the Expert Appraisal Committee on point at sub-para (4) above are affirmative, the projects under this category will be prescribed the appropriate Terms of Reference for undertaking Environment Impact Assessment and preparation of Environment Management Plan. Further, the Expert Appraisal Committee will prescribe a specific Terms of Reference for the project on assessment of ecological damage, remediation plan and natural and community resource augmentation plan and it shall be prepared as an independent chapter in the environment impact assessment report by the accredited consultants. The collection and analysis of data for assessment of ecological damage, preparation of remediation plan and natural and community resource augmentation plan shall be done by an environmental laboratory duly notified under Environment (Protection) Act, 1986, or an environmental laboratory accredited by National Accreditation Board for Testing and Calibration Laboratories, or a laboratory of a Council of Scientific and Industrial Research institution working in the field of environment.
- e) The Expert Appraisal Committee shall stipulate the implementation of Environmental Management Plan, comprising remediation plan and natural and community resource augmentation plan corresponding to the ecological damage assessed and economic benefit derived due to violation as a condition of environmental clearance.
- f) The project proponent will be required to submit a bank guarantee equivalent to the amount of remediation plan and Natural and Community Resource Augmentation Plan with the State Pollution Control Board and the quantification will be recommended by Expert Appraisal Committee and finalized by Regulatory Authority and the bank guarantee shall be deposited prior to the grant of environmental clearance and will be released after successful implementation of the remediation plan and Natural and Community Resource Augmentation Plan, and after the recommendation by regional office of the Ministry, Expert Appraisal Committee and approval of the Regulatory Authority.

The SEAC observed that as per amendment as mentioned at (a) above, violation cases of even category "B" projects which are granted Environment Clearance by SEIAA are to appraised for grant of Environment Clearance only by the EAC and

Environment Clearance is to be granted at Central level. As such, the present case also lies in the competency of the MoEF & CC, New Delhi. The present Environment Clearance application filed by the project proponent online with SEIAA Punjab is required to be transferred to MoEF & CC, New Delhi.

After detailed deliberations, the SEAC decided to recommend to SEIAA as under: -

- (i) To reject the application for issuance of environmental clearance under EIA notification dated 14.09.2006 for developing a residential cum commercial complex namely "Palm Gardens" in the revenue estate of Village Sahnewal Khurd, Bilga, Majra, Tehsil & Distt Ludhiana.
- (ii) Project proponent be informed to apply fresh application at the Central level as per the provisions of amended EIA Notification, 2006.
- (iii) The proceedings be also sent to the Punjab Pollution Control Board for taking necessary action as per the provisions of sub para (3) of the para 13 of the amended Notification dated 14.03.2017.

The case was considered by the SEIAA in its 121st meeting held on 20.04.2017, but no representative from the project proponent side attended the meeting.

As the term for SEIAA & SEAC was coming to an end on 05.05.2017, the status of pending cases was discussed in the 123rd meeting of SEIAA held on 04.05.2017 wherein, it was decided that list of the EC application (with online application no. and project name) of the violation cases which were deferred in 121st meeting of SEIAA held on 20.04.2017 be forward to the MoEF&CC, New Delhi and the project proponents be informed to approach the MoEF&CC, New Delhi. The instant case was also amongst the pending violation cases. Accordingly, record file of the case was sent vide SEIAA letter no. 840 dated 05.05.2017 to the MoEF&CC, New Delhi and the project proponent was requested vide letter no. 846 dated 05.05.2017 to approach the MoEF&CC, New Delhi for further action on the pending EC application.

In compliance to the order dated 14.03.2018 passed by the Hon'ble Punjab & Haryana High Court, in the matter of CWP 21351 of 2016 titled as Janta Land Promoters Pvt. Ltd. Vs Union of India & other MoEF&CC, New Delhi vide its letter

No. 19-184/2017-IA-III(Pt.) dated 26.03.2018 has transferred the record file of the case back to the SEIAA, Punjab.

It is further added here that, MoEF&CC issued amended notification dated 08.03.2018 wherein the power to decide the violation cases of category 'B' project have been delegated to SEIAA & SEAC, which were earlier vested with MoEF&CC, New Delhi. The notification while laying down the procedure, the para (4) & (5) prescribes as under:-

- (4) The cases of violations will be appraised by the Expert Appraisal Committee at the Central level or State or Union territory level Expert Appraisal Committee constituted under sub-section (3) of section 3 of the Environment (Protection) Act, 1986 with a view to assess that the project has been constructed at a site which under prevailing laws is permissible and expansion has been done which can run sustainably under compliance of environmental norms with adequate environmental safeguards, and in case, where the findings of Expert Appraisal Committee for projects under category A or State or Union territory level Expert Appraisal Committee for projects under category B is negative, closure of the project will be recommended along with other actions under the law.
- (5) In case, where the findings of the Expert Appraisal Committee or State or Union territory level Expert Appraisal Committee on point at sub-paragraph (4) above are affirmative, the projects will be granted the appropriate Terms of Reference for undertaking Environment Impact Assessment and preparation of Environment Management Plan and the Expert Appraisal Committee or State or Union territory level Expert Appraisal Committee, will prescribe specific Terms of Reference for the project on assessment of ecological damage, remediation plan and natural and community resource augmentation plan and it shall be prepared as an independent chapter in the environment impact assessment report by the accredited consultants, and the collection and analysis of data for assessment of ecological damage, preparation of remediation plan and natural and community resource augmentation plan shall be done by an environmental laboratory duly notified under the Environment(Protection) Act, 1986, or a environmental laboratory accredited by the National Accreditation Board for

Testing and Calibration Laboratories, or a laboratory of the Council of Scientific and Industrial Research institution working in the field of environment.

It is further added here that MoEF & CC vide OM dated 16/03/2018 in compliance of the order dated 14th March, 2018 of Hon'ble High Court of Judicature at Madras in WMP Nos.3361 and 3362 of 2018 and WMP No.3721 of 2018 in WP No.11189 of 2017, has issued one of the direction among other direction for compliance with immediate effect that the project proponent, who have not submitted the proposals within six months window i.e. up to 13th September, 2017 in pursuance of this Ministry's Notification S.O.804 (E) dated 14th March, 2017, are required to submit the proposals within 30 days (date of delivery of order of Hon'ble High Court, Madras in open court i.e 13/04/2018), to the EAC for category A projects or the SEAC/SEIAA in the respective States/UTs for category B projects.

The status of the old proposal applied by the project proponent on the web portal of SEIAA is as under: -

Proposal No	File No	Proposal Name	Date of Submission for EC	Online current status
SIA/PB/NCP /18592/2015	SEIAA/PB/NCP /EIA/2017/2	PALM GARDEN	17 Feb 2017	Deferred by SEIAA

The project proponent applied afresh vide proposal no. IA/PB/NCP/68724/2017 on dated 12.09.2017 to MoEF for issuance of TORs for obtaining Environmental clearance in compliance to the MoEF&CC amended notification dated 08.03.2018, which has been transferred to SEIAA vide proposal No. SIA/PB/NCP/22976/2018 on 28.03.2018. The brief of the project is summarized as under: -

- The project is located at Village Sahnewal Khurd, Tehsil & District Ludhiana, Punjab
- The total plot area is 6709669sqm and total construction area of 228557sqm
The project will comprise of 998 plots and two no. group housing, Multiplex, School and small commercial market.
- During construction phase, total water requirement is expected to be 50 KLD which will be met by ground water. During the construction phase, soak pits and septic tanks will be provided for disposal of waste water. Temporary sanitary toilets will be provided during peak labor force.
- **During operational phase,**

- i) Total water demand of the project is expected to be 2164- KLD.
 - ii) Source- Tube well (ground water).
 - iii) Wastewater generated-1797KLD
 - iv) Recycled Water-329KLD
 - v) Uses- Flushing-90KLD, Plantation & Irrigation-134KLD
 - vi) Treatment: -STP of 2.0MLD Capacity
- About 3.5TPD solid waste will be generated in the project. The biodegradable waste (2.1TPD) will be processed in OWC and the non-biodegradable waste generated (1.4TPD) will be handed over to authorized local vendor.
 - The total power requirement during construction phase is 200KW and will be met from PSPCL, Punjab and total power requirement during cooperation phase is 6100 KW and will be met from PSPCL, Punjab.
 - Rooftop rainwater of buildings will be collected in 15 RWH tanks of total
 - 350KLD capacity for harvesting after filtration.
 - Investment/Cost of the project is Rs.95 Cr.
 - Employment potential- About 250 persons

The case was considered by the SEAC in its 166th meeting held on 24.05.2018, which was attended by the following on behalf of the project proponent:

- (i) Sh. Deepak Ratra, General Manager of the Promoter Company.
- (ii) Sh. S. Dutta, FAE, M/s CPTL, Mohali, Environment consultant of the promoter company.

To a query regarding site suitability of the project, the project proponent submitted a copy of the letter no. 846 dated 14.03.2012 on the subject of Mega Housing Project "Palm Garden" to be setup at village Sahnewal Khurd, Bilga & Majara, Teh & Distt. Ludhiana issued by Chief Town Planner, Deptt. of Town and Country Planning, Punjab, wherein it has been mentioned that as per the clause of approved Master Plan, Ludhiana, the project site has already been declared as "deemed to be adjusted". The said letter was taken on record by SEAC. Further, as per the Gazette Notification No CTP(Pb)MPL-6/4538 dated 08/07/2008 issued by Department of Housing and Urban Development, the project site (165.08 acres) in Ludhiana has given exemption from the provisions of the Punjab Apartment & Property Regulation Act (PAPRA), 1995 except section 32 subject to the certain conditions. In the said

notification, it has been mentioned that M/s Malhotra Land Developers & Colonizers Pvt. Ltd., S.C.F-12, Urban Estate Dugri, Phase-1, Ludhiana has already been granted approval by the Punjab Government, Department of Housing and Urban Development for setting up Residential Project at Village Sahnewal Khurd, Bilga and Majara, District Ludhiana. Moreover, layout plan of the project has also been approved by the CTP, Punjab.

The SEAC observed that in view of the above mentioned facts, the findings in the present case regarding suitability of site to be assessed as per the provisions of sub paragraph (4) of amended EIA notification dated 08.03.2018 are affirmative and decided to proceed further for finalization of TORs as per the provision of sub para 5 of said Notification.

To an another query regarding as to whether any construction activity has been carried out after filing of the case, the project proponent stated that no construction activity has been taken up after filing the case. The project proponent has submitted a letter dated 24.05.2018 which was taken on record by SEAC. As per the said letter, the status of the construction carried out by the project proponent at the project site is as under:-

- | | |
|---------------------------|------------------|
| 1. No. of Houses built up | 31 |
| 2. No. of Houses occupied | 23 |
| 3. No. of Shops built up | 11 |
| 4. No. of Shops occupied | Nil |
| 5. Total area built up | 1, 40, 000 sqft. |

The SEAC further observed that the construction status of the project needs to be verified. After detailed deliberations, SEAC decided to recommend to SEIAA as under:

- 1) Punjab Pollution Control Board may be requested to verify the construction status of the project submitted by the project proponent vide letter dated 24.05.2018.
- 2) Punjab Pollution Control Board may be requested to send the latest status report of the court case filed u/s 15 & 16 read with section 19 of the Environmental (Protection) Act, 1986 against the project proponents.

- 3) Project proponent may be asked to withdraw old application (proposal no. SIA/PB/NCP/18592/2015) submitted online for obtaining Environmental clearance
- 4) Project proponent may be issued the following additional specific TOR in line with the notification dated 14.03.2017 as amended on 08.03.2018: -

Additional specific TOR: -

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

Item No.166.06: Application for modification in environmental clearance under EIA notification dated 14.09.2006 for development of group housing project namely "SBP South City" at VIP Road, Zirakpur, SAS Nagar, Punjab by M/s South City Promoters & Developers Pvt Ltd. (Proposal No.SIA/PB/NCP/16677/2011)

The SEAC observed that:

M/s South City Promoters & Developers Pvt Ltd.has applied for modification in environmental clearance under EIA notification dated 14.09.2006 for development of group housing project namely "SBP South City" at VIP Road, Zirakpur,

SAS Nagar, Punjab. The project is covered under category building construction 8 (a) of the Schedule appended to the said notification. The details of the project as given in Form 1 and 1A and other documents are as under:

- Earlier, environmental Clearance was obtained for construction of 487 flats from MoEF vide Letter No. 21-45/2010-IA.III dated 20th April, 2011 for plot area of 3.03 ha and built-up area of 59, 952.04 sqm. The total built up area was 59, 952.04 sqm and proposal as to construct 487 apartments (2 BR + STUDY-144, 1 BR + study -298 and EWS-45) with recreational area. Thereafter, construction was started but due to change in planning; 545 flats were constructed on the site. Now, application has been filed for modification in the earlier granted Environmental Clearance i.e. for 545 flats (i.e. 392 2-BHK & 3- BHK flats; 50 4-BHK flats; 48 1-BHK flats and 55 EWS flats) and a Club and 16 Commercial shops.
- The Environmental Engineer, Punjab Pollution Control Board, RO, Mohali was requested vide email dated 14.07.2016 to send the latest construction status at project site. The RO, Mohali vide return mail dated 15.07.2016 has intimated the site of the project was visited and it was observed as under: -
 - a. The project site has 10 towers with configuration of 3 no. (S+10), 2 no. (S+12), 2 no. (S+11), 1 no. (S+13), 1 no. each (S+6) & (S+5) with a total of 545 flats.
 - b. All the ten towers are fully constructed and possession has been given to 516 flat owners.
 - c. The promoter company has provided an STP of 350 KLD capacity and the same was in operation at the time of visit.
 - d. The promoter company has also constructed a Club and 16 Commercial shops at the project site.
- The project proponent has violated the provisions of EIA notification dated 14.09.2006 and is required to be dealt as per OM dated 12.12.12 issued by MoEF.

The case was considered by the SEAC in its 148th meeting held on 19.07.2016, which was attended by the following on behalf of project proponent:

- (i) Sh. Vineet Kumar, Manager, HR of the promoter company, on behalf of project proponent.

- (ii) Smt. Shweta, Deputy Env. Specialist, from EQMS India Pvt. Ltd., Environmental Consultant of the promoter Company

The SEAC observed that the project proponent has already carried out construction without getting prior environmental clearance which is in violation of EIA notification dated 14.09.2006 and thus liable for credible action in view of the circular dated 12.12.12 issued by MoEF. Further, environmental clearance application has been filed for modification of the same whereas it is case of expansion of the project which has been carried out without obtaining prior environmental clearance for expansion component.

In view of Office Memorandums dated 12.12.2012 and 27.06.2013, the SEAC decided to forward the case to SEIAA with the following recommendations:

- a) To ask the project proponent to submit a formal resolution passed by the Board of Directors of the Company or to the Managing Committee /CEO of the Society, Trust, partnership /individually owned concern, within 60 days, mentioning that violations will not be repeated in future and in the meantime, the project may be delisted. In the eventuality of not having any response from the project proponent within the prescribed limit of 60 days, the project file may be closed.
- b) For initiating credible action against project proponent /responsible persons /Promoter Company under the Environment (Protection) Act, 1986 due to start of construction activities of the project without obtaining Environmental Clearance under EIA notification dated 14.09.2006. The names of all the Directors as mentioned in the Memorandum & Article of Association submitted by the project proponent alongwith applicant be sent to Punjab Pollution Control Board as project proponent(s)/persons responsible.
- c) The project proponent will be advised to withdraw the present application and file fresh application for expansion of the project. Once the fresh application is filed and action as per point a & b mentioned above have been taken, the concerned case will be dealt with and processed as per the prescribed procedure for dealing with cases for grant of TORs /Environment Clearance /CRZ Clearance and appropriate recommendation made by the EAC/decision taken by the Ministry as per the merit of the case.
- d) For issuance of directions under Section 5 of the Environment (Protection) Act, 1986 to restrain the promoter company from carrying out any further

construction activity of the project till the environmental clearance under EIA notification dated 14.09.2006 is obtained.

However, the above mentioned recommendations are subject to the final order of the Hon'ble Supreme Court of India in matter of civil appeal no. 7191-7192/2015 as may be applicable to this project and decision of any competent authority to the extent applicable.

The case was considered by the SEIAA in its 113th meeting held on 10.08.2016, which was attended by the following: -

- i) Sh. Vineet Kumar, Manager, HR of the promoter company, on behalf of project proponent.
- ii) Ms. Priyanka, Environmental consultant, M/s EQMS India Pvt. Ltd. of the promoter Company

The SEIAA observed that the case is required to be dealt as per provisions of OMs dated 12.12.2012 and 27.06.2013.

After detailed deliberations, the SEIAA decided to accept the recommendations of SEAC and take the action as recommended by SEAC. Accordingly, in compliance to the SEIAA decision, the following actions were taken in respect to the recommendations mentioned above at point no. a), b), c) and d) by the SEAC: -

- a) The decision of SEIAA has been conveyed to Project Proponent vide letter No. 3169-70 dated 22.08.2016
- b) The Member Secretary, Punjab Pollution Control board has been informed vide letter No. 3167-68 dated 22.08.2016
- c) The decision of SEIAA has been conveyed to Project Proponent vide letter No. 3169-70 dated 22.08.2016
- d) Directions issued to the project proponent vide letter No. 3212-14 dated 22.08.2016.

the Environmental Engineer, PPCB, RO, Mohali vide its email dated 06.04.2017 informed that a complaint has been filed against the subject cited promoter company and its responsible person's u/s 15, 16 of Environment (Protection) Act, 1986 in the Hon'ble Court of Chief Judicial Magistrate, Derabassi on 01.04.2017. The case has been fixed for next hearing on 18.04.2017.

The case was considered by the SEAC in its 156th meeting held on 06.04.2017, which was attended by Sh. Vineet Kumar, HR Manager from the Promoter Company.

Sh. Vineet Kumar submitted an authority letter issued by Director of the Company wherein it has been mentioned that a resolution was passed in the Board meeting of Directors of the Company held on 13.03.2017 and resolved that he is authorized to attend the meeting of SEAC /SEIAA on behalf of company for project namely SBP South City. The said authority letter was taken on record by the SEAC.

The SEAC observed that Ministry of Environment, Forest and Climate change, New Delhi vide Notification No. S.O. 804(E) dated 14.03.2017 has laid down the procedure to deal with the violation cases and has made the following amendments in the EIA Notification, 2006: -

- a) In case the projects or activities requiring prior environmental clearance under Environment Impact Assessment Notification, 2006 from the concerned Regulatory Authority are brought for environmental clearance after starting the construction work, or have undertaken expansion, modernization, and change in product- mix without prior environmental clearance, these projects shall be treated as cases of violations and in such cases, even Category B projects which are granted environmental clearance by the State Environment Impact Assessment Authority constituted under sub-section (3) Section 3 of the Environment (Protection) Act, 1986 shall be appraised for grant of environmental clearance only by the Expert Appraisal Committee and environmental clearance will be granted at the Central level.
- b) In cases of violation, action will be taken against the project proponent by the respective State or State Pollution Control Board under the provisions of section 19 of the Environment (Protection) Act, 1986 and further, no consent to operate or occupancy certificate will be issued till the project is granted the environmental clearance.
- c) The cases of violation will be appraised by respective sector Expert Appraisal Committees constituted under subsection (3) of Section 3 of the Environment (Protection) Act, 1986 with a view to assess that the project has been constructed at a site which under prevailing laws is permissible and expansion has been done which can be run sustainably under compliance of

environmental norms with adequate environmental safeguards; and in case, where the finding of the Expert Appraisal Committee is negative, closure of the project will be recommended along with other actions under the law.

- d) In case, where the findings of the Expert Appraisal Committee on point at sub-para (4) above are affirmative, the projects under this category will be prescribed the appropriate Terms of Reference for undertaking Environment Impact Assessment and preparation of Environment Management Plan. Further, the Expert Appraisal Committee will prescribe a specific Terms of Reference for the project on assessment of ecological damage, remediation plan and natural and community resource augmentation plan and it shall be prepared as an independent chapter in the environment impact assessment report by the accredited consultants. The collection and analysis of data for assessment of ecological damage, preparation of remediation plan and natural and community resource augmentation plan shall be done by an environmental laboratory duly notified under Environment (Protection) Act, 1986, or a environmental laboratory accredited by National Accreditation Board for Testing and Calibration Laboratories, or a laboratory of a Council of Scientific and Industrial Research institution working in the field of environment.
- e) The Expert Appraisal Committee shall stipulate the implementation of Environmental Management Plan, comprising remediation plan and natural and community resource augmentation plan corresponding to the ecological damage assessed and economic benefit derived due to violation as a condition of environmental clearance.
- f) The project proponent will be required to submit a bank guarantee equivalent to the amount of remediation plan and Natural and Community Resource Augmentation Plan with the State Pollution Control Board and the quantification will be recommended by Expert Appraisal Committee and finalized by Regulatory Authority and the bank guarantee shall be deposited prior to the grant of environmental clearance and will be released after successful implementation of the remediation plan and Natural and Community Resource Augmentation Plan, and after the recommendation by regional office of the Ministry, Expert Appraisal Committee and approval of the Regulatory Authority.

The SEAC observed that as per amendment as mentioned at (a) above, violation cases of even category "B" projects which are granted Environment Clearance by SEIAA are to appraised for grant of Environment Clearance only by the EAC and Environment Clearance is to be granted at Central level. As such, the present case also lies in the competency of the MoEF & CC, New Delhi.

After detailed deliberations, the SEAC decided to recommend to SEIAA as under: -

- (i) To reject the application for issuance of environmental clearance under EIA notification dated 14.09.2006 for development of project namely SBP South City at Village Bishanpura, VIP Road, Zirakpur, Distt SAS Nagar promoted by M/s South City Promoters & Developers Pvt. Ltd.
- (ii) Project proponent be informed to apply fresh application at the Central level as per the provisions of amended EIA Notification, 2006.
- (iii) The proceedings be also sent to the Punjab Pollution Control Board for taking necessary action as per the provisions of sub para (3) of the para 13 of the amended Notification dated 14.03.2017.

The case was considered by SEIAA in its 121st meeting held on 20.04.2017, which was attended by Sh. Vineet Kumar, HR Manager from the Promoter Company.

Accordingly, the project proponent was requested vide letter no. SEIAA/2017/57 dated 23.01.2017 to submit a copy of affidavit regarding withdrawal of the case filed before the Hon'ble High Court and copy of the mutual agreement made with the petitioner.

The status of the old proposal applied by the project proponent on the web portal of SEIAA is as under: -

Proposal No	File No	Proposal Name	Date of Submission for Modification in EC	Online current status
SIA/PB/NCP/16677/2011	21-45/2010-I.A.III	SBP South City	05 Jul 2016	Deferred by SEIAA

As the term for SEIAA & SEAC was coming to an end on 05.05.2017, the status of pending cases was discussed in the 123rd meeting of SEIAA held on 04.05.2017 wherein, it was decided that list of the EC application (with online application no. and project name) of the violation cases which were deferred in 121st

meeting of SEIAA held on 20.04.2017 be forward to the MoEF&CC, New Delhi and the project proponents be informed to approach the MoEF&CC, New Delhi. The instant case was also amongst the pending violation cases. Accordingly, record file of the case was sent vide SEIAA letter no. 840 dated 05.05.2017 to the MoEF&CC, New Delhi and the project proponent was requested vide letter no. 848 dated 05.05.2017 to approach the MoEF&CC, New Delhi for further action on the pending EC application.

In compliance to the order dated 14.03.2018 passed by the Hon'ble Punjab & Haryana High Court, in the matter of CWP 21351 of 2016 titled as Janta Land Promoters Pvt. Ltd. Vs Union of India & other MoEF&CC, New Delhi vide its letter No. 19-184/2017-IA-III(Pt.) dated 26.03.2018 has transferred the record file of the case back to the SEIAA, Punjab.

It is further added here that, MoEF&CC issued amended notification dated 08.03.2018 wherein the power to decide the violation cases of category 'B' project have been delegated to SEIAA & SEAC, which were earlier vested with MoEF&CC, New Delhi. The notification while laying down the procedure, the para (4) & (5) prescribes as under:-

- (4) The cases of violations will be appraised by the Expert Appraisal Committee at the Central level or State or Union territory level Expert Appraisal Committee constituted under sub-section (3) of section 3 of the Environment (Protection) Act, 1986 with a view to assess that the project has been constructed at a site which under prevailing laws is permissible and expansion has been done which can run sustainably under compliance of environmental norms with adequate environmental safeguards, and in case, where the findings of Expert Appraisal Committee for projects under category A or State or Union territory level Expert Appraisal Committee for projects under category B is negative, closure of the project will be recommended along with other actions under the law.
- (5) In case, where the findings of the Expert Appraisal Committee or State or Union territory level Expert Appraisal Committee on point at sub-paragraph (4) above are affirmative, the projects will be granted the appropriate Terms of Reference for undertaking Environment Impact Assessment and preparation of Environment Management Plan and the Expert Appraisal Committee or State or Union territory level Expert Appraisal Committee, will prescribe specific Terms of Reference for the project on assessment of ecological damage, remediation

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

The case was considered by the SEAC in its 166th meeting held on 24.05.2018, which was attended by the following on behalf of the project proponent:

- (i) Sh. Chandan Goyal, L.A. of the Promoter Company.
- (ii) Sh. S. Dutta, FAE, M/s CPTL, Mohali, Environment consultant of the promoter company.

To a query regarding site suitability of the project, the project proponent submitted a copy of the building plan approved by the Municipal Council, Zirakpur which was taken on record by SEAC.

To an another query regarding as to whether any construction activity has been carried out after filing of the case, the project proponent stated that the project is already commissioned

After detailed deliberations, SEAC decided to recommend to SEIAA as under:

- 1) Punjab Pollution Control Board may be requested to send the latest status report of the court case filed u/s 15 & 16 read with section 19 of the Environmental (Protection) Act, 1986 against the project proponents.
- 2) To issue the following additional specific TOR in line with the notification dated 14.03.2017 as amended on 08.03.2018: -

Additional specific TOR: -

The project proponent shall make an assessment of ecological damage done and economic benefit derived due to violation and prepare remediation plan and natural & community resource augmentation plan and it shall be prepared as an independent chapter in the environment impact assessment report by the accredited consultants. The collection and analysis of data for assessment of

ecological damage, preparation of remediation plan and natural and community resource augmentation plan shall be done by an environmental laboratory duly notified under Environment (Protection) Act, 1986, or a environmental laboratory accredited by National Accreditation Board for Testing and Calibration Laboratories, or a laboratory of a Council of Scientific and Industrial Research institution working in the field of environment.

Item No.166.07: Application for issuance of TOR under EIA notification dated 14.09.2006 for area development project namely "Urban Estate - Gurdaspur" in the revenue estate of Village Nabipur & Revenue Estate of Gurdaspur, Punjab. by M/s Amritsar Development Authority (ADA) (Old Proposal No. SIA/PB /NCP/17049/2016 for EC, New Proposal No. SIA/PB/NCP/23387/2018)

The SEAC observed that:

M/s Amritsar Development Authority (ADA), an authority constituted under Section 17 of the Punjab Regional and Town Planning and Development Act, 1995, having its office at PUDA Bhawan, Green Avenue, Amritsar, Punjab has applied for issuance of TOR under EIA notification dated 14.09.2006 for area development project namely "Urban Estate - Gurdaspur" at Village Nabipur & Revenue Estate of Gurdaspur, Punjab. The project is covered under category 8 (b) of the Schedule appended to the said notification. The details of the project are as under:-

- The total area of the project will be 6, 27, 456.08sqm (155.05 acres) with net planned area 5, 51, 667.46 sqm (136.32 acre) in the revenue estate of Village Nabipur & Revenue Estate of Gurdaspur, Punjab.
- The project consists of Residential Plots, Convenient Shopping, Commercial Area, Community Center, and Area for Education & Area under Health etc. The total cost of the project will be Rs. 205.0 crores.
- As mentioned in the application form, 90% of the development work has already been carried out.
- The project has been approved by Department of Town & Country Planning, Punjab vide Drawing No. DTP (G) 09/10 dated 01.07.2010.
- Total population including residing & floating will be 21, 193 persons. The total

water requirement will be 4, 186 KLD including domestic demand of 3, 963 KLD which will be met from Bore wells (2 in number). The total waste water generation will be 3, 171 KLD which will be treated in STP of MC, Gurdaspur.

- The green area available with the project is 40, 468.56 sqm
- Rain water harvesting pits have been proposed to recharge ground water.
- Total power requirement for the project will be 10273.55 KVA& will be provided by PSPCL.
- Solid waste generation from the project will be 8, 121 Kg/day.
- The project proponent has applied to NBWL for obtaining permission as one wildlife sanctuary namely Keshopur Chhamb Community Reserve is falling at the distance of approximately 7 Km from the project site.
- The project proponent has also applied to additional PCCF, GOI, MOEF, Chandigarh through additional PCCF, SAS Nagar, Punjab for diversion of.078 hectare of Forest land for construction of approach road to the residential colony i.e. Urban Estate - Gurdaspur on Gurdarspur to Amritsar Road between km. 40-41 L/s under Forest Division and Distt. Gurdaspur vide letter number 2099 dated 27.06.2014.
- The project proponent has submitted the proposed Terms of Reference (TORs).

The details of the documents submitted with the application is as under:

1.	Properly filled Form 1 & pre-feasibility report	Yes
2.	Proof of ownership of land	Submitted
3.	CLU status and approved drawing	Submitted
4.	Memorandum of Articles & Association and Names of person responsible for day to day affairs of the project.	Submitted
5.	List of accredited EIA consultant organization with accredited sector of NABET	Submitted

Environmental Engineer, PPCB, RO, Batala was requested vide email dated 14.10.2016 to send the latest construction status of the proposed site. Environmental Engineer, PPCB, RO, Batala vide its return email dated 26.10.2016 has reported that the site was visited by officer of this office on 20/10/2016 and construction status was observed as under: -

1. The proponent has completed the civil construction work of boundary wall of residential colony.

2. The Project Proponent has laid down the sewerage/road network in the residential colony.
3. The Project Proponent has installed the street lights in the residential colony.
4. Approximately 100 nos. houses exist in the residential colony out of which in approx. 40 nos. houses habitation exist and rest of the approx. 60 nos. houses were under construction.
5. The Project Proponent has not installed the STP in the residential colony and entire effluent arising from houses is discharged into the sewer of residential colony which is connected to Municipal Council's sewer of residential colony which is connected to Municipal Council's sewer which further leads to drain.

The case was considered by the SEAC in its 152nd meeting held on 28.10.2016 but neither the project proponent nor any authorized person from the project proponent side attended the present meeting.

After deliberations, the SEAC decided to defer the case in light of Office Memorandum dated 25.02.2010 of MoEF, Govt. of India and ask the project proponent to attend the next meeting as and when called for.

The case was considered by the SEAC in its 153rd meeting held on 28.11.2016, which was attended by the following on behalf of project proponent: -

- i) Sh. Charanjit Singh, SDE (Civil), Amritsar Development Authority
- ii) Smt. Priyanka Anand, M/s EQMS India Pvt. Ltd., Environmental Consultant of the promoter Company.

Sh. Charanjit Singh submitted an authority letter issued vide number 1793 dated 25.11.2016 wherein he has been authorized by Divisional Engineer (Civil), ADA, Amritsar to attend the meeting of SEAC held on 28.11.2016 i.e. present meeting regarding environmental clearance of Urban Estate, Gurdaspur on behalf of ADA, Amritsar. The authority letter was taken on record by the SEAC.

Before allowing the project proponent to present the case, the SEAC observed that as per the report received from Environmental Engineer, PPCB, RO, Batala, construction activity has already been carried out at site, basic amenities have been provided, approximately 100 nos. houses exist in the residential colony out of which in approx. 40 nos. houses habitation exist and remaining approx. 60 nos. houses were under construction. Thus, it is a clear cut case of violation of the provisions of EIA notification dated 14.09.2006 and the case is required to be dealt with as per the OM dated 12.12.12 & 27.06.2013 issued by MoEF, GOI, New Delhi.

After deliberations, the SEAC decided to forward the case to SEIAA with the following recommendations:

- To ask the project proponent to submit a formal resolution passed by the Board of Directors of the Company or the Managing Committee /CEO of the Society, Trust, partnership /individually owned concern, within 60 days, mentioning that violations will not be repeated in future and in the meantime, the project may be delisted. In the eventuality of not having any response from the project proponent within the prescribed limit of 60 days, the project file may be closed.
- For initiating credible action against project proponent /responsible persons /Promoter Company under the Environment (Protection) Act, 1986 due to start of construction activities of the project without obtaining Environmental Clearance under EIA notification dated 14.09.2006.
- Once action as per point a & b mentioned above have been taken, the concerned case will be dealt with and processed as per the prescribed procedure for dealing with cases for grant of TORs /Environment Clearance /CRZ Clearance and appropriate recommendation made by the EAC/decision taken by the Ministry as per the merit of the case.
- For issuance of directions under Section 5 of the Environment (Protection) Act, 1986 to restrain the promoter company from carrying out any further construction activity of the project till the environmental clearance under EIA notification dated 14.09.2006 is obtained.

However, the above mentioned recommendations are subject to the final order of the Hon'ble Supreme Court of India in matter of civil appeal no. 7191-7192/2015 as may be applicable to this project and decision of any competent authority to the extent applicable.

The SEAC further observed that in case of Govt. Depts., the section 17 of the Environment (Protection) Act, 1986 provides as under: -

Section 17(1) Where an offence under this Act has been committed by any Department of Government, the Head of the Department shall be deemed to be guilty of the offence and shall be liable to be proceeded against and punished accordingly -Provided that

nothing contained in this section shall render such Head of the Department liable to any punishment, if he proves that the offence was committed without his knowledge or that he exercised all due diligence to prevent the commission of such offence.

- (2) Notwithstanding anything contained in sub-section (1), where an offence under this Act has been committed by a Department of Government and it is proved that the offence has been committed with the consent or connivance of, or is attributable to any neglect on the part of, any officer, other than the Head of the Department, such officer shall also be deemed to be guilty of that offence and shall be liable to be proceeded against and punished accordingly.

The Head of the Department in the present case is Chief Administrator, ADA.

The case was considered by the SEIAA in its 119th meeting held on 04.01.2017, which was attended by the following: -

- i) Sh. Charanjit Singh, SDE (Civil), Amritsar Development Authority
- ii) Smt. Priyanka Anand, M/s EQMS India Pvt. Ltd., Environmental Consultant of the promoter Company.

Sh. Charanjit Singh submitted an authority letter issued vide number 141 dated 03.01.2017 wherein he has been authorized by Divisional Engineer (Civil), ADA, Amritsar to attend the meeting on 04.01.2017 regarding environmental clearance of Urban Estate, Gurdaspur on behalf of ADA, Amritsar. The authority letter was taken on record by the SEIAA. Environmental Consultant of the promoter company stated that it is a case of violation of the provisions of EIA notification dated 14.09.2006.

The SEIAA observed that the case is required to be dealt as per provisions of OMs dated 12.12.2012 and 27.06.2013. After detailed deliberations, the SEIAA decided to accept the recommendations of SEAC and take the action as recommended by SEAC.

Accordingly, in compliance to the decision taken by SEIAA in its 119th meeting held on 04.01.2017, the following actions have been taken: -

- a) The decision of SEIAA has been conveyed to Project Proponent vide letter No. 54 dated 23.01.2017

- b) The Member Secretary, Punjab Pollution Control board has been requested for initiating credible action against project proponent /responsible persons /Promoter Company vide letter No. 50 dated 23.01.2017
- c) The decision of SEIAA has been conveyed to Project Proponent vide letter No. 54 dated 23.01.2017
- d) Directions under Section 5 of the Environment (Protection) Act, 1986, has been issued to the project proponent vide letter No. 52 dated 23.01.2017.

As the term for SEIAA & SEAC was coming to an end on 05.05.2017, the status of pending cases was discussed in the 123rd meeting of SEIAA held on 04.05.2017 wherein, it was decided that list of the EC application (with online application no. and project name) of the violation cases which were deferred in 121st meeting of SEIAA held on 20.04.2017 be forward to the MoEF&CC, New Delhi and the project proponents be informed to approach the MoEF&CC, New Delhi. The instant case was also amongst the pending violation cases. Accordingly, record file of the case was sent vide SEIAA letter no. 840 dated 05.05.2017 to the MoEF&CC, New Delhi and the project proponent was requested vide letter no. 844 dated 05.05.2017 to approach the MoEF&CC, New Delhi for further action on the pending EC application.

In compliance to the order dated 14.03.2018 passed by the Hon'ble Punjab & Haryana High Court, in the matter of CWP 21351 of 2016 titled as Janta Land Promoters Pvt. Ltd. Vs Union of India & other MoEF&CC, New Delhi vide its letter No. 19-184/2017-IA-III(Pt.) dated 26.03.2018 has transferred the record file of the case back to the SEIAA, Punjab.

It is further added here that, MoEF&CC issued amended notification dated 08.03.2018 wherein the power to decide the violation cases of category 'B' project have been delegated to SEIAA & SEAC, which were earlier vested with MoEF&CC, New Delhi. The notification while laying down the procedure, the para (4) & (5) prescribes as under:-

- (4) The cases of violations will be appraised by the Expert Appraisal Committee at the Central level or State or Union territory level Expert Appraisal Committee constituted under sub-section (3)of section 3 of the Environment (Protection) Act, 1986 with a view to assess that the project has been constructed at a site which under prevailing laws is permissible and expansion has been done which can run sustainably under compliance of environmental norms with adequate

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

- (5) In case, where the findings of the Expert Appraisal Committee or State or Union territory level Expert Appraisal Committee on point at sub-paragraph (4) above are affirmative, the projects will be granted the appropriate Terms of Reference for undertaking Environment Impact Assessment and preparation of Environment Management Plan and the Expert Appraisal Committee or State or Union territory level Expert Appraisal Committee, will prescribe specific Terms of Reference for the project on assessment of ecological damage, remediation plan and natural and community resource augmentation plan and it shall be prepared as an independent chapter in the environment impact assessment report by the accredited consultants, and the collection and analysis of data for assessment of ecological damage, preparation of remediation plan and natural and community resource augmentation plan shall be done by an environmental laboratory duly notified under the Environment(Protection) Act, 1986, or a environmental laboratory accredited by the National Accreditation Board for Testing and Calibration Laboratories, or a laboratory of the Council of Scientific and Industrial Research institution working in the field of environment.

It is further added here that MoeF & CC vide OM dated 16/03/2018 in compliance of the order dated 14th March, 2018 of Hon'ble High Court of Judicature at Madras in WMP Nos.3361 and 3362 of 2018 and WMP No.3721 of 2018 in WP No.11189 of 2017, has issued one of the direction among other direction for compliance with immediate effect that the project proponent, who have not submitted the proposals within six months window i.e. up to 13th September, 2017 in pursuance of this Ministry's Notification S.O.804 (E) dated 14th March, 2017, are required to submit the proposals within 30 days (date of delivery of order of Hon'ble High Court, Madras in open court i.e 13/04/2018), to the EAC for category A projects or the SEAC/SEIAA in the respective States/UTs for category B projects.

The status of the old proposal applied by the project proponent on the web portal of SEIAA is as under: -

Proposal No	File No	Proposal Name	Date of Submission for EC	Online current status
SIA/PB/NCP/17049/2016	SEIAA/PB/AD/TOR/2016/32	Urban Estate-Gurdaspur	03 Oct 2016	Return to SEIAA(Violation)

The project proponent has applied a afresh vide proposal no. IA/PB/NCP/68537/2017 on dated 12.09.2017 to MoEF for issuance of TORs for obtaining Environmental clearance in compliance to the MoEF&CC amended notification dated 08.03.2018, which has been transferred to SEIAA vide proposal No. SIA/PB/NCP/23387/2018 on 03.04.2018. The brief detail of the project is as under: -

- Divisional Engineer, ADA Amritsar submitted that Amritsar Development Authority, Amritsar (ADA) constituted under the Punjab Regional and Town Planning & Development Act, 1995 was notified by the Punjab Government and has been made functional from July 16, 2007. Amritsar Development Authority (ADA) has developed "Urban Estate-Gurdaspur" in 155.05 acres of land which is located at Village Nabipur & Revenue Estate of Gurdaspur, Punjab in the year 2011-13. About 90% of the development work has already been done like setting up internal roads, Overhead reservoir, laying of Water Supply lines, around 50 residential plots have been established, etc. Earlier, Amritsar Development Authority was not aware of the fact that Environmental Clearance is mandatory for the Townships & area development projects. Only at the time of obtaining approval from Forest Department in July, 2014 regarding diversion of forest land for the construction of approach road, we came to know that Environmental Clearance is mandatory for our project. Then, tender was floated for hiring Environmental Consultant for obtaining Environmental Clearance and consultant was hired in March, 2016. Later on, application was filed to SEIAA, Punjab for Environmental Clearance. Thus, it is not an intentional violation case.
- The project has been approved by Department of Town & Country Planning, Punjab vide Drawing No. DTP(G) 09/10 dated 01.07.2010.

- The detail of the area is as under: -

Description	Area (in Sq.ft)	Area (in Sqm)	Area (in acres)
Total area of the site (A)	67, 53,	6, 27,	155.05
Net Reserved area (B)	8, 15, 878.8	75, 797.62	18.73
Net planned area (A-B)	59, 38,	5, 51,	136.32
Saleable Area (@ 54.49%)	32, 35,	3, 00,	74.28
Residential Plotted area	21, 48, 379.2	1, 99, 590.95	49.32
EWS Site	2, 61, 360	24, 281.13	6.00
MSF Site	4, 08, 592.8	37, 959.51	9.38
05M X 12M Shops	10, 454.4	971.24	0.24
Commercial	4, 06, 850.4	37, 797.63	9.34
Non-Saleable Area (@ 45.51%)	27, 02,	2, 51,	62.04
Area under Public Purposes (2 sites)	1, 13, 691.6	10, 562.29	2.61
Club/Community Center	47, 480.4	4, 411.07	1.09
Area under Schools (2 Sites)	1, 98, 198	18, 413.19	4.55
Area under OHR	13, 939.2	1, 294.99	0.32
Area under STP	26, 136	2, 428.11	0.60
Green area (Parks & Playground)	4, 35, 600	40, 468.56	10.00
Road utilities and Pavement	18, 67, 417.2	1, 73, 488.73	42.87

- Other Important features of project are as under:

Total Estimated Population (after full occupancy)	21, 193 Persons
Total water req.	3, 963 KLD
Flow to sewer	3, 171 KLD
Green area water requirement in summer season	223 KLD
Green area water requirement in winter season	73 KLD
Green area water requirement in rainy season	20 KLD
Solid waste generated	8, 121 kg/day
Power Load	10, 273.55 KVA
Project Cost	Rs. 205 Crores

- The solid waste will be dully segregated into bio-degradable and non-bio-degradable components. Bio-degradable waste will be composted by use of Eco-composter. Inert waste is being dumped to authorized dumping site. The recyclable waste is being sold to resellers.
- All the buildings located on plot area of 400 sqm and above, shall have roof top water harvesting system to recharge ground water as per the specific design to be provided by the concerned Development Authority.
- Individual plot owners will be responsible for providing parking within their plots itself.

The case was considered by the SEAC in its 166th meeting held on 24.05.2018, which was attended by the following on behalf of the project proponent:

- (i) Sh. Davinder Saini, Sub-Divisional Engineer, ADA
- (ii) Ms. Priyanka Madan, Sr. Manager, Eco Laboratories & Consultants Pvt. Ltd., Mohali, Environmental Consultant of the promoter Company.

Being a violation case, Environmental Consultant of the promoter Company requested to issue "Terms of Reference" along with additional specific TOR in line with the notification dated 14.03.2017 to the project proponent as amended on 08.03.2018 for preparation of the EIA report.

To a query regarding site suitability of the project, the project proponent submitted that the project has been approved by the Department of Town & Country Planning, Punjab vide Drawing No. DTP (G) 09/10 dated 01.07.2010.

The SEAC observed that in view of the above mentioned facts, the findings in the present case regarding suitability of site to be assessed as per the provisions of sub paragraph (4) of amended EIA notification dated 08.03.2018 are affirmative and decided to proceed further for finalization of TORs as per the provision of sub para 5 of said Notification.

To an another query regarding as to whether any construction activity has been carried out after filing of the case, the project proponent stated that 90% of the development work has already been completed.

After detailed deliberations, SEAC decided to recommend to SEIAA as under:

- 1) Punjab Pollution Control Board may be requested to send the latest status report of the court case filed u/s 15 & 16 read with section 19 of the Environmental (Protection) Act, 1986 against the project proponents.
- 2) Project proponent may be asked to withdraw old application (proposal no. SIA/PB/NCP/17049/2016) submitted online for obtaining Environmental clearance as the new proposal submitted for obtaining Terms of Reference in line with the notification dated 14.03.2017 as amended on 08.03.2018 is being considered.

- 3) Issue the following "Terms of Reference" along with additional specific TOR in line with the notification dated 14.03.2017 to the project proponent as amended on 08.03.2018 for preparation of the EIA report: -

Construction stage

1. The project falls under category **B-1** under item 8(b) Township and Area Development projects and requires an Environmental Impact Assessment Study for the entire site area.
2. Examine details of land use as per Master Plan and land use around 10 km radius of the project site. Analysis should be made based on latest satellite imagery for land use with raw images. Check on flood plain of any river.
3. Examine and submit the details of the environmental impacts at the stage of land acquisition including aspects such as displacement of families, rehabilitation, acquiring of agricultural/forest land, acquiring of ecologically important lands and water bodies.
4. Examine baseline environmental quality along with projected incremental load due to the project.
5. Environmental data to be considered in relation to the project development would be (a) land, (b) groundwater, (c) surface water, (d) air, (e) bio-diversity, (f) noise and vibrations, (g) socio economic and health. However, the project proponent has to fill the prescribed field data sheets (available on website of SEIAA i.e. www.seiaapunjab.co.in) which are required to be attached with the analysis reports alongwith exact location of sampling / monitoring point marked on the layout map.
6. Examine and submit the details of the environmental impacts due to change of land use and land cover including aspects such as hydrological characteristics, imperviousness of land and drainage pattern being altered.
7. Action plan for the green belt development in 33 % area with not less than 1, 500 trees per ha. giving details of species, width of plantation, planting schedule post plantation and 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. Submit the details of the trees to be felled for the project.
8. Submit the present land use and permission required for any conversion such as forest, agriculture etc.
9. Examine the details of Source of water, water requirement, use of treated waste water and prepare a water balance chart.
10. Examine soil characteristics and depth of ground water table for rainwater harvesting.
11. Examine and submit the details of the environmental impacts at the stage of construction of boundaries & fencing including its impact on the pattern of natural drainage and flooding pattern and barriers being constructed for restricting wildlife movement into project area.
12. Examine and submit the details of the environmental impacts due to leveling and landscaping including aspects such as excavation & filling of soil, clearing of vegetation, change of topography, development of plantation, green belt, lawns & parks and development of impervious areas.

13. Examine and submit the details of the environmental impacts due to excavation, transportation and filling of earth including aspects such as excavation, filling, sourcing, transportation and disposal of soil.
14. Examine and submit the details of the construction material to be used at the construction stage including aspects such as quarries and transportation, stone crushing and screening, mining & transportation of sand, soil excavation, transportation and filling.
15. Examine and submit the impacts being caused due to transportation of construction materials and men such as increase in traffic and load on public transportation facility, destruction and damage of transportation infrastructure, increase of risk due to road accident, pollution caused due to dust and tail pipe emissions and consumption of fuel by transport vehicles. A detailed traffic and transportation study should be made for existing and projected passenger and cargo traffic.
16. Examine and submit the details of the temporary housing and amenities to be created and used by the work force including aspects such as water supply, electrical energy and fuel supply.
17. Examine and submit the details of the environmental impacts at the stage of creation of roads, transportation facility and other physical infrastructure including aspects such as use of construction materials, excavation and /or filling of soil, generation of construction waste, creation of impervious surfaces, noise & suspended dust pollution and accidental risk.
18. Examine and submit the details of the noise pollution, air pollution, consumption of fuel and generation of scrap being caused due to operation and maintenance of construction machinery and equipment.
19. Examine and submit the details of the source and supply of water for construction activity.
20. Examine and submit the details of the source and quantity of power for construction activity.
21. Examine and submit the details of the fuel consumption, noise pollution, emissions of the exhaust gas, engine & coolant oil and batteries being discarded due to captive and emergency power generation.
22. Examine and submit the details of the handling of wastewater during construction including the domestic wastewater being generated from amenities.
23. Examine and submit the details of the environmental impacts at the stage of development of residential buildings, commercial, institutional and industrial infrastructure including aspects such as construction materials to be used, earth work (excavation and/or soil filling), generation of construction waste, lighting, HVAC units, waste generation from packaging, residual paints and chemicals and their cans, Generation of wooden, glass, metal and other scrap materials, plumbing and sanitary waste generation, creation of impervious surfaces, noise pollution, suspended dust pollution and risk of accidents.
24. Examine and submit the details of the environmental impacts due to the laying of the water supply system including aspects such as use of piping, fittings and pumps, water pumping stations, earth work and water treatment plant.
25. Examine and submit the details of the environmental impacts due to the laying of the sewerage and sewage treatment and disposal system including aspects such as use of construction material, piping, fittings and pumps, earth work,

laying of sewers & manholes, sewage pumping stations and sewage treatment plant.

26. Examine and submit the details of the environmental impacts due to the laying of the storm water drainage system including aspects such as use of construction material, piping, fittings and pumps, earth work, storm drains, storm water inlets and catch basins and storm water outfalls.
27. Examine and submit the details of the environmental impacts due to the electrical power system and street lighting to be provided including aspects such as construction materials to be used, distribution lines, cables, control panels, transformers and meters.
28. Examine and submit details of use of solar energy and alternative source of energy to reduce the fossil energy consumption. Energy conservation and energy efficiency.
29. DG sets are likely to be used during construction and operational phase of the project. Emissions from DG sets must be taken into consideration while estimating the impacts on air environment. Examine and submit details.

B. Operation stage

1. Examine and submit the details of the environmental impacts due to the residential, commercial, institutional, industrial, recreational, social, cultural & religious activities to be carried out.
2. Examine and submit the details of the environmental impacts due to the facilities to be provided such as water supply, electrical power supply, fuel supply & consumption including LPG, transportation and communication.
3. Examine and submit the details of the environmental impacts due to the sewerage & sewage treatment and its disposal systems and storm water & its drainage system.
4. Examine and submit the details of the environmental impacts caused due to the generation of captive power & emergency power.
5. Submit the details of the management & handling of municipal solid waste, e-waste, hazardous waste, scrap, estate management, construction and demolition waste management.
6. Submit the details of the socio economic impact due to the employment to be generated from the household activities.
7. Rain water harvesting proposals should be made with due safeguards for ground water quality. Maximize recycling of water and utilization of rain water. Examine details.

C. General

1. Other details as indicated in Appendix III of EIA Notification 2006 and the manual titled as "EIA guidance Manual-Building, Construction, Township and area Development projects" published by the Ministry of Environment & Forests, New Delhi, should also be attended.
2. Environmental aspects identified under some of the project activities may not be comprehensive and some of the significant aspects under some of the activities of the project in question might not have been identified. All such environmental aspects may be added to the list.

3. Some of the activities with their associated environmental aspects of the project in question might be of significant magnitude and not included in the list project activities. All such activities may be added to the list of project activities.
4. The project proponent may add additional project activities and environmental aspects, if any, fill the impact matrix (copy attached) and carryout significance analysis for identifying the significant environmental aspects. Scale, sensitivity and duration of impacts; type, size and frequency of environmental aspects; applicable legal requirements; and concerns of interested parties and local public may be used as the basis for the significance analysis of the environmental aspects.
5. In the EIA study each of the environmental aspects listed in the TOR should be quantified, their positive and negative impacts on different areas of impacts should be identified and assessed and the results of such assessment should be reported in the EIA report.
6. In the Environment Management Plan, management of each of the significant environmental aspects (with identified and assessed significant environmental impacts) for mitigating the impacts should be objectively stated.
7. Submit Roles and responsibility of the developer etc. for compliance of environmental regulations under the provisions of EP Act.
8. Ground water classification as per the Central Ground Water Authority.
9. Environment Management Plan should include technical and institutional aspects for pre-treatment by constituent units.
10. Environmental Management Plan should be accompanied with Environmental Monitoring Plan and environmental cost and benefit assessment. The cost of the Project (capital cost and recurring cost) as well as the cost towards implementation of EMP should be clearly spelt out.
11. Examine separately the details for construction and operation phases both for Environmental Management Plan and Environmental Monitoring Plan with cost and parameters.
12. Submit details of a comprehensive Disaster Management Plan including emergency evacuation during natural and man-made disaster.
13. Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given
14. 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.
15. Does the Environment policy prescribe for standard operating process / procedures to bring into focus any infringement / deviation / violation of the environmental or forest norms / conditions? If so, it may be detailed in the EIA.
16. What is the hierarchical system or Administrative order of the company to deal with the environmental issues and for ensuring compliance with the EC conditions? Details of this system may be given.
17. 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 should be detailed in the EIA report.
18. Delineate the concrete proposal regarding activities to be undertaken under Corporate Social Responsibility programme, which should be long lasting in nature and should be as per the needs of a particular Village/area/ local habitats/ stakeholders to be adopted by the promoter company, which can be

done by involving a person having knowledge and experience of socio-economic activities.

Additional specific TOR: -

1. The project proponent shall make an assessment of ecological damage done and economic benefit derived due to violation and prepare remediation plan and natural & community resource augmentation plan and it shall be prepared as an independent chapter in the environment impact assessment report by the accredited consultants. The collection and analysis of data for assessment of ecological damage, preparation of remediation plan and natural and community resource augmentation plan shall be done by an environmental laboratory duly notified under Environment (Protection) Act, 1986, or an environmental laboratory accredited by National Accreditation Board for Testing and Calibration Laboratories, or a laboratory of a Council of Scientific and Industrial Research institution working in the field of environment.
2. The project proponent will submit the following documents alongwith EIA report: -
 - i. Certificate of accredited EIA Consultant organization with accredited sector of NABET.
 - ii. Name of the persons responsible for managing the day to day affairs of the project.

The aforesaid 'Terms of Reference' will be valid for a period of three years from its issuance. The project proponent should prepare rapid EIA / EMP Report for its project based on above Terms of Reference and submit the same to the SEIAA for its appraisal.

Item No.166.08: Application for obtaining Environmental Clearance under EIA notification dated 14.09.2006 for construction of a Housing Project namely "Ansal Florence Estate" at G.T. Road, Amritsar, by M/s Ansal Buildwell Infrabuild (P) Ltd.

The SEAC observed that:

1. M/s Ansal Buildwell Infrabuild (P) Ltd., 118, UFF, Prakashdeep Building, 7, Tolstoy Marg, New Delhi vide letter dated 03.07.2013 has applied for obtaining the environmental clearance as required under the EIA notification dated

14.09.2006 for construction of a Housing Project namely "Ansal Florence Estate" at G.T. Road, Amritsar. The project is covered under category 8 (b) of the Schedule appended to the said notification.

2. The project proponent was requested by SEAC vide letter no. 2262 dated 22.07.2014 to attend its 96th meeting on 23.07.2014, which was attended by the following on behalf of the project proponent:
- i) Sh. Vipin Vashishta, Addl. General Manager of the promoter company.
 - ii) Sh. Deepak Gupta of M/s Jalvayu Consultants, Environmental Consultant of the promoter company.

From the perusal of the application and presentation made by Sh. Deepak Gupta, Environmental Consultant of the promoter company, the salient features of the project are as under:

- The total project area is 16.1089 acres having total built up area of 161645.86 sqm. The layout plan has been approved vide no 48/6 dated 25.09.2013.
- Total water requirement for the project will be 600 KLD, out of which 446 KLD will be met from own tubewell and remaining 154 KLD will be met from treated wastewater.
- The total wastewater generation from the project will be 480 KLD, which will be treated in a STP to be installed within the project premises. The project proponent has proposed to use 154 KLD of treated wastewater for flushing purpose, 114 KLD for irrigation of green area and remaining 212 KLD will be discharged to MC sewer in summer season. In winter season, 154 KLD of treated wastewater will be used for flushing purpose, 31 KLD will be used for irrigation of green area and remaining 295 KLD will be discharged to MC sewer. In rainy season, 154 KLD of treated wastewater will be used for flushing purpose and remaining 326 KLD will be discharged to MC sewer. Application for obtaining permission for abstracting groundwater has been submitted to the CGWB, Chandigarh and CGWB has raised certain queries, which are being clarified.

- Green area will be developed in an area measuring 20801 sqm The treated wastewater storage tank of adequate capacity will also be constructed to hold treated wastewater.
- The total quantity of solid waste to be generated from the proposed project has been estimated as 1786 kg/day, which will be segregated into bio-degradable and non-biodegradable waste as per the MSW Rules, 2000. The bio-degradable waste would be sent to approved site. The non-biodegradable and recyclable waste would be sold to the recyclers. Municipal Corporation, Amritsar has issued letter no. 304 dated 26.06.2014 in which it has been mentioned that the solid waste to be generated from this project will be sent to the 'Municipal Solid Waste Management Facility' at Bagwantwala with condition that the company will deposit the requisite charges with Municipal Corporation.
- The e-waste will be handled and managed as per the E-waste (Management & Handling) Rules, 2011 and earmarked the site for e-waste storage room on the approved layout site plan.
- The used oil from the D.G. sets will be sold out to the registered recyclers as per the provisions of the Hazardous Waste (Management, Handling & Transboundary Movement), Rules, 2008.
- The total load of electricity required for proposed project will be 4.8 MW (4800 KW) which will be supplied by PSPCL. The project proponent has proposed to install DG sets, for backup power supply.
- The ambient air monitoring has been got done from Chandigarh Pollution Testing Laboratory and the analysis results indicate that the concentration of various pollutants such as PM_{2.5}, PM₁₀, SO₂, NO₂ and CO have been measured. Also, ambient noise monitoring has been got done from the said firm and the analysis results indicate that the noise levels during day and night times, have been measured in the range of 49.8 dB(A) Leq. and 35.7 dB(A) Leq, respectively, against the prescribed standards of 55 and 45 dB(A) Leq. The groundwater of the area is potable in nature as per analysis report of groundwater.

- Airports Authority of India has issued NOC vide no. 2056 dated 18.09.2012 and allowed the construction upto the height of 68.21m.
- During construction phase, Rs.18.50 lacs will be incurred for implementation of EMP and Rs.11.50 lacs/annum will be incurred on account of recurring charges. During operation phase, Rs.105 lacs will be incurred for implementation of EMP and Rs. 14.50 lacs will be incurred on account of recurring charges. Association of the residents or M.C. whosoever takes over the project, will be responsible for implementation of EMP.
- Rs. 12.00 lacs will be utilized for following activities under Corporate Social Responsibility and Director, of company will be responsible for implementation of CSR:
 - i) The management will give preference in the job to nearby area people (Village sultanwind and jandiala Guru).
 - ii) Blood donation camps and other health related camps will be organized in the 5 Km area of the project
 - iii) Widening of road in the vicinity of the project.
 - iv) Camps will be organized for awareness of cancer and other diseases
 - v) Saplings will be distributed in the area.
 - vi) Training to the unemployed youths in the field of computer repairing.
 - vii) The implementation of the CSR will be responsibility of director of the company
 - viii) A fund of Rs. 12 Lac has been earmarked by the management for the activities stated as above and other related activities
- The traffic circulation plan has been prepared and the same has been submitted alongwith application.
- Disaster/Risk Assessment & Management Plan has been prepared and the same has been submitted alongwith application.
- No construction activity has been started at site.

During the meeting, Environmental Consultant of the promoter company submitted a copy of sanction letter dated 26.11.2013 vide which layout plan has been approved by M.C. Amritsar.

To a query regarding storm water disposal, project proponent submitted that the storm water for areas other than roof top will be harvested for 90 percentile

of rainfall event at site and will be utilized for other purposes such as firefighting, irrigating green areas. The project proponent earmarked the site for storm water harvesting tank on the approved layout site plan.

The SEAC observed that though the project proponent has satisfactorily clarified all the technical observations, however, has not submitted recommendation letter from CGWB to CGWA for abstraction of groundwater.

The project proponent assured the SEAC that the above noted document will be submitted shortly and requested for recommending their case to SEIAA for grant of environmental clearance.

The Committee observed that the project proponent has provided adequate and satisfactory clarifications of the observations raised by it. Therefore, the Committee awarded '**Silver Grading**' to the project proposal and decided that as and when the project proponent submits recommendation letter from CGWB to CGWA for abstraction of groundwater and the same is approved by the Chairman SEAC on the case file of the project, the case be forwarded to the SEIAA with the recommendation to grant environmental clearance to the project proponent for construction of a Housing Project namely "Ansal Florence Estate" in an area of 16.1089 acres having total built up area of 161645.86 sqm at G.T. Road, Amritsar, subject to certain conditions as mentioned in the proceedings of the said meeting in addition to the proposed measures.

The decision of the SEAC was conveyed to the project proponent vide letter No. 2386 dated 05.08.2014.

Thereafter, the project proponent vide letter dated 27.08.2014 submitted a copy of letter No. 2217 dated 27.08.2014 vide which CGWB has forwarded the proposal of the project proponent for abstraction of groundwater @ 446 KLD.

The above noted reply submitted by the project proponent has been considered by the Chairman, SEAC and as per the decision taken by the SEAC in its 96th meeting, approval was accorded for recommending the case to SEIAA for grant of environmental clearance.

The case was considered by the SEIAA in its 69th meeting held on 30.08.2014, which was attended by the following on behalf of the project proponent:

- (i) Sh. Harmanjit Singh Malhotra, Addl. General Manager of the promoter company
- (ii) Sh. Ritesh Jain, Senior Manager of the promoter company
- (ii) Sh. Deepak Gupta of M/s Jalvayu Consultants, Environmental Consultant of the promoter company

Sh. Deepak Gupta Environmental Consultant of the promoter company presented the salient features of the project before the Authority and requested for grant of environmental clearance.

The SEIAA observed that the total built up area of the proposed project is 161645.86 sqm and per notification No. S.O. 562 (E) dated 26.02.2014 of the Ministry of Environment & Forests, New Delhi, the original EIA notification No. S.O. 1533 (E) dated 14.09.2006 has been amended as under:

In the said notification, in paragraph 7, in sub para II, in item (i), in the first proviso, for item (i), the following item shall be substituted, namely:-

"(i) all projects or activities listed under category, 'B' against item 8 (a) of the Schedule".

The SEIAA further observed that as per the above mentioned amendment, now all the projects covered under category 8 (b) of the Schedule appended with the EIA notification dated 14.09.2006, are required to be appraised on the basis of EIA study report instead of Form-1, 1A and conceptual plan only, as was being done earlier.

After detailed deliberations, the SEIAA decided to remand the case to SEAC for re-examining the same in light of the said notification.

The case was considered by the SEAC in its 101st meeting held on 18.09.2014, The SEAC observed that as per the amendment dated 26.02.2014 issued by the MoEF, now all the projects covered under category 8 (b) of the Schedule appended with the EIA notification dated 14.09.2006, are required to be appraised on the basis of EIA study report instead of Form-1, 1A and conceptual plan only as was being done earlier. The meeting was attended by the following on behalf of project proponent:

- (i) Sh. Harman Singh representative of the promoter company
- (ii) Sh. Deepak Gupta of M/s Jalvayu Consultants, Environmental Consultant of the promoter company

After detailed deliberations in the matter, it was decided to categorize this project as category **B-1** and finalized "Terms of Reference" to the project proponent for preparation of the draft Rapid EIA report:

The SEAC further decided to request the Punjab Pollution Control Board to verify the construction status of the project at site and send the detailed status report (with quantification) to SEAC within 15 days.

Before, issuance of the ToRs, the Punjab Pollution Control Board was requested to verify the construction status of the project at site and send the detailed status report (with quantification) to SEAC within 15 days.

The Environmental Engineer, Punjab Pollution Control Board, Regional Office, Amritsar through e-mail has informed that the residential colony namely M/s Florence Estate, was visited by Environmental Engineer, Regional Office along with AEE on 27/11/2014 and observed that the work regarding laying down of sewerage network has been completed, the office building of project has also been completed, at some places pre-mix road has been laid down while at other places stabilized roads have been laid down.

In view of the changed status as reported by Regional Office, the matter is placed before the SEAC for reconsideration.

The case was considered by the SEAC in its 104th meeting held on 05.12.2014, which was attended by the following on behalf of the project proponent:

- i) Sh. Vipin Vashista, Addl. General Manager of the promoter company.
- ii) Sh. Deepak Gupta of M/s Jalvayu Consultants, Environmental Consultant of the promoter company.

Sh. Deepak Gupta of M/s Jalvayu Consultants, Environmental Consultant of the promoter company contended that no construction has been carried out at site and only a temporary office building has been established at site as the company has

got approval of the same from the M.C. Amritsar vide letter no. 1160 dated 17.10.2011.

The SEAC noted that as per report & photographs sent by Punjab Pollution Control Board, Regional Office, Amritsar the work regarding laying of sewerage network has been completed, the office building of project has also been completed, at some places premix road has been laid while at other places stabilized roads have been laid. The SEAC observed that from the photographs sent by the Punjab Pollution Control Board and shown to the project proponent during the meeting, the structure constructed at site is not a temporary building. Moreover, the other infrastructure developments such as laying of sewer, construction of roads, lighting etc. have also been undertaken without obtaining the environmental clearance.

The SEAC further observed that as per Office Memorandum No. J-11013/41/2006-IA.II (I) dated 19.08.2010, no activity relating to any project covered under the EIA notification dated 14.09.2006 including civil construction can be undertaken at site without obtaining prior environmental clearance except fencing of the site to protect it from getting encroached and construction of temporary shed(s) for the guard(s). After detailed deliberations, the SEAC decided that:

- (i) ToRs as finalized in 101st meeting of SEAC held on 18.09.2014 and are under issue, may not be issued.
- (ii) To forward the case to SEIAA with the recommendation to ask the project proponent to submit a formal resolution passed by the Board of Directors of the Company or the Managing Committee /CEO of the Society, Trust, partnership /individually owned concern, within 60 days, mentioning that violations will not be repeated in future and in the meantime, the project may be delisted. In the eventuality of not having any response from the project proponent within the prescribed limit of 60 days, the project file may be closed.
- (ii) To recommend to SEIAA:
 - For initiating credible action against the project proponent /responsible persons /promoter company under the Environment

(Protection) Act, 1986 due to start of construction activities of the project without obtaining Environmental Clearance under EIA notification dated 14.09.2006.

- For issuance of directions under Section 5 of the Environment (Protection) Act, 1986 to restrain the promoter company from carrying out any further construction activity of the project till the environmental clearance is obtained under EIA notification dated 14.09.2006.

The case was considered by the SEIAA in its 74th meeting held on 24.12.2014, which was attended by the following on behalf of the project proponent:

- (i) Sh. Vipin Vashishta, Addl. General Manager of the promoter company.
- (ii) Sh. Rajeev Kumar, Manager of the promoter company.
- (iii) Sh. Deepak Gupta of M/s Jalvayu Consultants, Environmental Consultant of the promoter company.

Sh. Vipin Vashishta, Addl. General Manager of the promoter company contended that temporary office and pavements etc. as reported is not part of the original project proposal for which the environmental clearance application has been filed and will be demolished once the project related activity is started at site. He requested to get the site re-visited to check the construction status of the project.

After detailed discussions, the SEIAA decided to remand the case to SEAC to review the matter in light of contentions made by the project proponent and send its recommendations accordingly.

The case was considered by the SEAC in its 106th meeting held on 17.01.2015 and 107th meeting held on 21.01.2015 and was deferred due to paucity of time in both the meetings.

The case was considered by the SEAC in its 108th meeting held on 06.02.2015, which was attended by the following on behalf of the project proponent:

- i) Sh. Vipin Vashista, Additional General Manager of the promoter company.
- ii) Sh. Deepak Gupta of M/s Jalvayu Consultants, Environmental Consultant of the promoter company.

The project proponent submitted that they have constructed a temporary site office structure at site which will be dismantled at the time of completion of project. This structure is not a part of their project. The project proponent requested the SEAC to revisit the site with advance intimation to them, before taking any action in this matter.

After detailed deliberations, the SEAC decided to get the site revisited by Sh. M S Bhatti, member SEAC along with Environmental Engineer, Regional Office, Punjab Pollution Control Board, Amritsar and under advance intimation to project proponent and submit report. It was further decided to defer the case till the report is received.

As decided, Sh. M S Bhatti, Member (SEAC) and Environmental Engineer, Regional Office, Punjab Pollution Control Board, Amritsar were requested vide letter No. 1280-81 dated 18.02.2015 to visit the project site and submit report.

Sh. M S Bhatti, member SEAC and Environmental Engineer, Regional Office, Punjab Pollution Control Board, Amritsar have visited the project site and the report is being prepared and the same will be placed before the SEAC during the meeting.

The case was considered by the SEAC in its 110th meeting held on 18.03.2015, which was attended by Sh. O.P. Wahi, Addl. Vice President (S) of the promoter company and he stated that the construction carried out at site is not part of the project proposal and the said construction is purely temporary and will be demolished before starting of project related activities. He requested to issue the ToRs for preparation of EIA study.

The report submitted by Sh. M S Bhatti, Member SEAC was placed before the SEAC during the meeting. As per the said report, the site was visited by Sh. M S Bhatti, Member SEAC on 07.03.2015. Shri Vipin Vashista, Additional General Manager, Civil and Shri Harmanjit Singh Malhotra, Additional General Manager, Liason. Sh. Kamaljit Singh, AEE, Regional Office, PPCB, Amritsar accompanied the visiting Member of the SEAC. It has been mentioned in the report that the project proponent has

constructed a site office showing elegantly designed entry gate, demonstration housing unit, working office with provision for air conditioning, water supply.

In light of the visit report, the SEAC observed that the case is required to be dealt as per the procedure mentioned in the Office Memorandum dated 12.12.2012 of the Ministry of Environment & Forests as amended on 27.06.2013 since the promoter company has violated the provisions of EIA notification dated 14.09.2006 by starting construction of the project without obtaining environmental clearance under the said notification.

After detailed deliberations, the SEAC decided as under:

- (i) To forward the case to SEIAA with the recommendation to ask the project proponent to submit a formal resolution passed by the Board of Directors of the Company or the Managing Committee /CEO of the Society, Trust, partnership /individually owned concern, within 60 days, mentioning that violations will not be repeated in future and in the meantime, the project may be delisted. In the eventuality of not having any response from the project proponent within the prescribed limit of 60 days, the project file may be closed.
- (ii) To recommend to SEIAA:
 - For initiating credible action against the project proponent /responsible persons /promoter company under the Environment (Protection) Act, 1986 due to start of construction activities of the project without obtaining Environmental Clearance under EIA notification dated 14.09.2006.
 - For issuance of directions under Section 5 of the Environment (Protection) Act, 1986 to restrain the promoter company from carrying out any further construction activity of the project till the environmental clearance under EIA notification dated 14.09.2006 is obtained.

The case was considered by the SEIAA in its 82nd meeting held on 11.04.2015, which was attended by the following on behalf of the project proponent:

- i) Sh. O.P. Wahi, Addl. Vice President (S) of the promoter company.

- ii) Sh. Deepak Gupta of M/s Jalvayu Consultants, Environmental Consultant of the promoter company.

Sh. Deepak Gupta of M/s Jalvayu Consultants, Environmental Consultant of the promoter company contended that no construction has been carried out at site and only a temporary office building has been established at site as the company has got approval of the same from the M.C. Amritsar vide letter no. 1160 dated 17.10.2011, and submitted a copy of the same, which was taken on record by the SEIAA. The SEIAA observed that:

- (i) The report sent by SEAC is incomplete as no comments have been given on the earlier report sent by the Punjab Pollution Control Board wherein other construction activities such as laying of sewage network, roads, etc. were also reported.
- (ii) The permission letter issued by M.C. Amritsar vide letter no. 1160 dated 17.10.2011 for construction of a temporary office building also needs to be looked into and commented upon.'

After detailed deliberations, the SEIAA decided to remand the case to SEAC.

The case was considered by the SEAC in its 114th meeting held on 30.04.2015, which was attended by Sh. Deepak Gupta of M/s Jalvayu Consultants, Environmental Consultant of the promoter company.

The SEAC observed that as per the decision of SEIAA in its 82nd meeting held on 11.04.2015, the visit report of Sh. M.S. Bhatti, Member SEAC is incomplete as no comments have been given on the earlier report sent by the Punjab Pollution Control Board wherein other construction activities such as laying of sewage network, roads, etc. were also reported. However, Sh. M.S. Bhatti was not present during the SEAC meeting and hence the visit report could not be reviewed in his absence.

Therefore, the SEAC decided to defer the case to the next meeting of SEAC. The decision of the SEAC was conveyed to the project proponent vide letter no. 2766 dated 08.05.2015.

The case was considered by the SEAC in its 117th meeting held on 20.05.2015, which was attended by Sh. Deepak Gupta of M/s Jalvayu Consultants, Environmental Consultant of the promoter company.

However, Sh. M.S. Bhatti was not present during the SEAC meeting and hence the visit report could not be reviewed in his absence. Therefore, the SEAC decided to defer the case to the next meeting of SEAC.

Sh. M.S. Bhatti, Member (SEAC) vide e-mail dated 22.06.2015 has intimated that the project site was visited on 22.05.2015 and submitted the visit report, which was annexed with the agenda.

The case was considered by the SEAC in its 121st meeting held on 26.06.2015, which was attended by the following on behalf of project proponent:

- (i) Sh. Vipin Vashista, Additional G.M of the promoter company
- (ii) Sh. Deepak Gupta of M/s Jalvayu Consultants, Environmental Consultant of the project proponent

The SEAC observed that the permission from MC was for temporary office only whereas the project proponent besides providing concrete approach road to the office, has also constructed a demo unit and has also undertaken other activities such as stabilized roads, rainwater harvesting system, sewerage conveyance system for office etc.

The SEAC further observed that As per EIA notification dated 14.09.2006 and OM dated 19.08.2010, no activity relating to any project covered under this notification including civil construction can be undertaken at site without obtaining prior environmental clearance except fencing of the site to project it from getting encroached and construction of temporary shed(s) for the guard(s).

Therefore, the SEAC observed that the case is required to be dealt as per the procedure mentioned in the Office Memorandum dated 12.12.2012 of the Ministry of Environment & Forests as amended on 27.06.2013 since the promoter company has violated the provisions of EIA notification dated 14.09.2006 by starting construction of the project without obtaining environmental clearance under the said notification.

After detailed deliberations, the SEAC decided as under:

- (i) To forward the case to SEIAA with the recommendation to ask the project proponent to submit a formal resolution passed by the Board of Directors of the Company or to the Managing Committee /CEO of the

Society, Trust, partnership /individually owned concern, within 60 days, mentioning that violations will not be repeated in future and in the meantime, the project may be delisted. In the eventuality of not having any response from the project proponent within the prescribed limit of 60 days, the project file may be closed.

- (ii) To recommend to SEIAA for:
- initiating credible action against project proponent /responsible persons /promoter company under the Environment (Protection) Act, 1986 due to start of construction activities of the project without obtaining Environmental Clearance under EIA notification dated 14.09.2006.
 - issuance of directions under Section 5 of the Environment (Protection) Act, 1986 to restrain the promoter company from carrying out any further construction activity of the project till the environmental clearance under EIA notification dated 14.09.2006 is obtained.

The case was considered by the SEIAA in its 90th meeting held on 20.07.2015, which was attended by the following on behalf of the project proponent:

- i) Sh. Vipin Vashista, Addl. General Manager of the promoter company.
- ii) Sh. Rajeev Kumar, Manager (Services) of the promoter company
- iii) Sh. Deepak Gupta of M/s Jalvayu Consultants, Environmental Consultant of the promoter company.

After detailed deliberations, the SEIAA decided to accept the recommendations of SEAC and to take the following actions:

- a) To ask the project proponent to submit, within 60 days, a formal resolution passed by the Board of Directors of the Company or to the Managing Committee /CEO of the Society, Trust, partnership /individually owned concern, mentioning that violations in respect of starting construction activities without obtaining environmental clearance under EIA notification dated 14.09.2006, are unintentional and will not be repeated in future. In the meantime, the project be delisted. In case, the project proponent fails to submit the said resolution within a period of 60 days, it will be presumed that the project proponent is no longer interested in pursuing the project further and the project file will be closed and

the project proponent will have to initiate the procedure *de novo* for obtaining environmental clearance.

- (b) To initiate credible action against project proponent(s), responsible person(s) & promoter company by invoking powers u/s 19 of the Environment (Protection) Act, 1986 as delegated by Ministry of Environment & Forests vide notification No. S.O. 638 (E) dated 28.02.2014 due to start of construction activities of the project without obtaining Environmental Clearance under EIA notification dated 14.09.2006. Punjab Pollution Control Board be written in this regard for taking necessary legal action u/s 15 of the Environment (Protection) Act, 1986 for the period for which the violation has taken place.
- (c) To issue directions under section 5 of the Environment (Protection) Act, 1986 as delegated by Ministry of Environment & Forests vide notification No. S.O. 637 (E) dated 28.02.2014 to restrain the promoter company from carrying out any further construction or operation activity of the project till the environmental clearance under EIA notification dated 14.09.2006 is obtained.
- (d) To inform the project proponent that the application for environmental clearance under EIA Notification dated 14.09.2006 will be considered only after the compliance of decision (a) above and action is initiated for violating the provisions of the EIA notification dated 14.09.2006 due to start of construction work of the project without obtaining environmental clearance.

In compliance to the decision taken by SEIAA in its 90th meeting held on 20.07.2015, the following actions were taken:

- a) Decision of SEIAA as (a) & (d) has been conveyed vide letter No. 4948 dated 16.09.2015.
- b) Punjab Pollution Control Board has been written vide letter No. 4951 dated 16.09.2015 for initiation of credible action against project vide
- c) Directions have been issued vide letter No. 4949 dated 16.09.2015 under section 5 of the Environment (Protection) Act, 1986 as delegated, to the project proponent.

Senior Environmental Engineer, Punjab Pollution Control Board, Zonal Office, Amritsar was requested vide letter no 2347 dated 02.05.2016 to launch

prosecution u/s 15, 16 read with section 19 of Environment (Protection) Act, 1986 against the project proponents and its responsible persons and intimate the same to the SEIAA, within 15 days. The Chairman, Punjab Pollution Control Board, Patiala was requested vide DO no. 3125 dated 17.08.2016 to send the reports in the case. But, no reply was received from PPCB till date.

As the term for SEIAA & SEAC was coming to an end on 05.05.2017, the status of pending cases was discussed in the 123rd meeting of SEIAA held on 04.05.2017 wherein, it was decided that list of the EC application (with online application no. and project name) of the violation cases which were deferred in 121st meeting of SEIAA held on 20.04.2017 be forward to the MoEF&CC, New Delhi and the project proponents be informed to approach the MoEF&CC, New Delhi. The instant case was also amongst the pending violation cases. Accordingly, record file of the case was sent vide SEIAA letter no. 840 dated 05.05.2017 to the MoEF&CC, New Delhi and the project proponent was requested vide letter no. 842 dated 05.05.2017 to approach the MoEF&CC, New Delhi for further action on the pending EC application.

In compliance to the order dated 14.03.2018 passed by the Hon'ble Punjab & Haryana High Court, in the matter of CWP 21351 of 2016 titled as Janta Land Promoters Pvt. Ltd. Vs Union of India & other MoEF&CC, New Delhi vide its letter No. 19-184/2017-IA-III(Pt.) dated 26.03.2018 has transferred the record file of the case back to the SEIAA, Punjab.

It is further added here that, MoEF&CC issued amended notification dated 08.03.2018 wherein the power to decide the violation cases of category 'B' project have been delegated to SEIAA & SEAC, which were earlier vested with MoEF&CC, New Delhi. The notification while laying down the procedure, the para (4) & (5) prescribes as under:-

- (4) The cases of violations will be appraised by the Expert Appraisal Committee at the Central level or State or Union territory level Expert Appraisal Committee constituted under sub-section (3) of section 3 of the Environment (Protection) Act, 1986 with a view to assess that the project has been constructed at a site which under prevailing laws is permissible and expansion has been done which can run sustainably under compliance of environmental norms with adequate environmental safeguards, and in case, where the findings of Expert Appraisal

Committee for projects under category A or State or Union territory level Expert Appraisal Committee for projects under category B is negative, closure of the project will be recommended along with other actions under the law.

- (5) In case, where the findings of the Expert Appraisal Committee or State or Union territory level Expert Appraisal Committee on point at sub-paragraph (4) above are affirmative, the projects will be granted the appropriate Terms of Reference for undertaking Environment Impact Assessment and preparation of Environment Management Plan and the Expert Appraisal Committee or State or Union territory level Expert Appraisal Committee, will prescribe specific Terms of Reference for the project on assessment of ecological damage, remediation plan and natural and community resource augmentation plan and it shall be prepared as an independent chapter in the environment impact assessment report by the accredited consultants, and the collection and analysis of data for assessment of ecological damage, preparation of remediation plan and natural and community resource augmentation plan shall be done by an environmental laboratory duly notified under the Environment(Protection) Act, 1986, or a environmental laboratory accredited by the National Accreditation Board for Testing and Calibration Laboratories, or a laboratory of the Council of Scientific and Industrial Research institution working in the field of environment.

The case was considered by the SEAC in its 166th meeting held on 24.05.2018, which was attended by the following on behalf of the project proponent:

- (i) Sh. Vipin Vashista, Project Incharge on behalf of the project proponent.
- (ii) Sh. Rajeev Kumar, Manager Services on behalf of the project proponent.
- (iii) Sh. S. Dutta, FAE, M/s CPTL, Mohali, Environment consultant of the promoter company.

To a query regarding site suitability of the project, the project proponent stated that as per the Master plan, the site falls in residential area and the layout plan has already been sanctioned by Municipal Town Planner, Municipal Corporation, Amritsar vide no. 48/6 dated 25/06/2013. Further, the CLU for the project site has been obtained from the Chief Town Planner, Department of Town and country Planning Punjab vide memo no. 8549 CTP(Pb)/SP-432(A) dated 24/10/2008 for

16.1089 acres at Village Sultanwind Distt. Amritsar for residential purposes (Group Housing).

The SEAC observed that in view of the above mentioned facts, the findings in the present case regarding suitability of site to be assessed as per the provisions of sub paragraph (4) of amended EIA notification dated 08.03.2018 are affirmative and decided to proceed further for finalization of TORs as per the provision of sub para 5 of said Notification.

After detailed deliberations, SEAC decided to recommend to SEIAA as under:

- 1) Punjab Pollution Control Board may be requested to send the latest status report of the court case filed u/s 15 & 16 read with section 19 of the Environmental (Protection) Act, 1986 against the project proponents.
- 2) The project proponent will submit the following documents alongwith EIA report:-
 - a. Certificate of accredited EIA Consultant organization with accredited sector of NABET.
 - b. Copy of the 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
- 3) Issue the following "Terms of Reference" along with additional specific TOR in line with the notification dated 14.03.2017 to the project proponent as amended on 08.03.2018 for preparation of the EIA report: -

Construction stage

1. The project falls under category **B-1** under item 8(b) Township and Area Development projects and requires an Environmental Impact Assessment Study for the entire site area.
2. Examine details of land use as per Master Plan and land use around 10 km radius of the project site. Analysis should be made based on latest satellite imagery for land use with raw images. Check on flood plain of any river.
3. Examine and submit the details of the environmental impacts at the stage of land acquisition including aspects such as displacement of families, rehabilitation, acquiring of agricultural/forest land, acquiring of ecologically important lands and water bodies.
4. Examine baseline environmental quality along with projected incremental load due to the project.

5. Environmental data to be considered in relation to the project development would be (a) land, (b) groundwater, (c) surface water, (d) air, (e) bio-diversity, (f) noise and vibrations, (g) socio economic and health. However, the project proponent has to fill the prescribed field data sheets (available on website of SEIAA i.e. www.seiaapunjab.co.in) which are required to be attached with the analysis reports alongwith exact location of sampling / monitoring point marked on the layout map.
6. Examine and submit the details of the environmental impacts due to change of land use and land cover including aspects such as hydrological characteristics, imperviousness of land and drainage pattern being altered.
7. Action plan for the green belt development in 33 % area with not less than 1, 500 trees per ha. giving details of species, width of plantation, planting schedule post plantation and 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. Submit the details of the trees to be felled for the project.
8. Submit the present land use and permission required for any conversion such as forest, agriculture etc.
9. Examine the details of Source of water, water requirement, use of treated waste water and prepare a water balance chart.
10. Examine soil characteristics and depth of ground water table for rainwater harvesting.
11. Examine and submit the details of the environmental impacts at the stage of construction of boundaries & fencing including its impact on the pattern of natural drainage and flooding pattern and barriers being constructed for restricting wildlife movement into project area.
12. Examine and submit the details of the environmental impacts due to leveling and landscaping including aspects such as excavation & filling of soil, clearing of vegetation, change of topography, development of plantation, green belt, lawns & parks and development of impervious areas.
13. Examine and submit the details of the environmental impacts due to excavation, transportation and filling of earth including aspects such as excavation, filling, sourcing, transportation and disposal of soil.
14. Examine and submit the details of the construction material to be used at the construction stage including aspects such as quarries and transportation, stone crushing and screening, mining & transportation of sand, soil excavation, transportation and filling.
15. Examine and submit the impacts being caused due to transportation of construction materials and men such as increase in traffic and load on public transportation facility, destruction and damage of transportation infrastructure, increase of risk due to road accident, pollution caused due to dust and tail pipe emissions and consumption of fuel by transport vehicles. A detailed traffic and transportation study should be made for existing and projected passenger and cargo traffic.
16. Examine and submit the details of the temporary housing and amenities to be created and used by the work force including aspects such as water supply, electrical energy and fuel supply.
17. Examine and submit the details of the environmental impacts at the stage of creation of roads, transportation facility and other physical infrastructure

- including aspects such as use of construction materials, excavation and /or filling of soil, generation of construction waste, creation of impervious surfaces, noise & suspended dust pollution and accidental risk.
18. Examine and submit the details of the noise pollution, air pollution, consumption of fuel and generation of scrap being caused due to operation and maintenance of construction machinery and equipment.
 19. Examine and submit the details of the source and supply of water for construction activity.
 20. Examine and submit the details of the source and quantity of power for construction activity.
 21. Examine and submit the details of the fuel consumption, noise pollution, emissions of the exhaust gas, engine & coolant oil and batteries being discarded due to captive and emergency power generation.
 22. Examine and submit the details of the handling of wastewater during construction including the domestic wastewater being generated from amenities.
 23. Examine and submit the details of the environmental impacts at the stage of development of residential buildings, commercial, institutional and industrial infrastructure including aspects such as construction materials to be used, earth work (excavation and/or soil filling), generation of construction waste, lighting, HVAC units, waste generation from packaging, residual paints and chemicals and their cans, Generation of wooden, glass, metal and other scrap materials, plumbing and sanitary waste generation, creation of impervious surfaces, noise pollution, suspended dust pollution and risk of accidents.
 24. Examine and submit the details of the environmental impacts due to the laying of the water supply system including aspects such as use of piping, fittings and pumps, water pumping stations, earth work and water treatment plant.
 25. Examine and submit the details of the environmental impacts due to the laying of the sewerage and sewage treatment and disposal system including aspects such as use of construction material, piping, fittings and pumps, earth work, laying of sewers & manholes, sewage pumping stations and sewage treatment plant.
 26. Examine and submit the details of the environmental impacts due to the laying of the storm water drainage system including aspects such as use of construction material, piping, fittings and pumps, earth work, storm drains, storm water inlets and catch basins and storm water outfalls.
 27. Examine and submit the details of the environmental impacts due to the electrical power system and street lighting to be provided including aspects such as construction materials to be used, distribution lines, cables, control panels, transformers and meters.
 28. Examine and submit details of use of solar energy and alternative source of energy to reduce the fossil energy consumption. Energy conservation and energy efficiency.
 29. DG sets are likely to be used during construction and operational phase of the project. Emissions from DG sets must be taken into consideration while estimating the impacts on air environment. Examine and submit details.

B. Operation stage

1. Examine and submit the details of the environmental impacts due to the residential, commercial, institutional, industrial, recreational, social, cultural & religious activities to be carried out.
2. Examine and submit the details of the environmental impacts due to the facilities to be provided such as water supply, electrical power supply, fuel supply & consumption including LPG, transportation and communication.
3. Examine and submit the details of the environmental impacts due to the sewerage & sewage treatment and its disposal systems and storm water & its drainage system.
4. Examine and submit the details of the environmental impacts caused due to the generation of captive power & emergency power.
5. Submit the details of the management & handling of municipal solid waste, e-waste, hazardous waste, scrap, estate management, construction and demolition waste management.
6. Submit the details of the socio economic impact due to the employment to be generated from the household activities.
7. Rain water harvesting proposals should be made with due safeguards for ground water quality. Maximize recycling of water and utilization of rain water. Examine details.

C. General

1. Other details as indicated in Appendix III of EIA Notification 2006 and the manual titled as "EIA guidance Manual-Building, Construction, Township and area Development projects" published by the Ministry of Environment & Forests, New Delhi, should also be attended.
2. Environmental aspects identified under some of the project activities may not be comprehensive and some of the significant aspects under some of the activities of the project in question might not have been identified. All such environmental aspects may be added to the list.
3. Some of the activities with their associated environmental aspects of the project in question might be of significant magnitude and not included in the list project activities. All such activities may be added to the list of project activities.
4. The project proponent may add additional project activities and environmental aspects, if any, fill the impact matrix (copy attached) and carryout significance analysis for identifying the significant environmental aspects. Scale, sensitivity and duration of impacts; type, size and frequency of environmental aspects; applicable legal requirements; and concerns of interested parties and local public may be used as the basis for the significance analysis of the environmental aspects.
5. In the EIA study each of the environmental aspects listed in the TOR should be quantified, their positive and negative impacts on different areas of impacts should be identified and assessed and the results of such assessment should be reported in the EIA report.
6. In the Environment Management Plan, management of each of the significant environmental aspects (with identified and assessed significant environmental impacts) for mitigating the impacts should be objectively stated.
7. Submit Roles and responsibility of the developer etc. for compliance of environmental regulations under the provisions of EP Act.
8. Ground water classification as per the Central Ground Water Authority.

9. Environment Management Plan should include technical and institutional aspects for pre-treatment by constituent units.
10. Environmental Management Plan should be accompanied with Environmental Monitoring Plan and environmental cost and benefit assessment. The cost of the Project (capital cost and recurring cost) as well as the cost towards implementation of EMP should be clearly spelt out.
11. Examine separately the details for construction and operation phases both for Environmental Management Plan and Environmental Monitoring Plan with cost and parameters.
12. Submit details of a comprehensive Disaster Management Plan including emergency evacuation during natural and man-made disaster.
13. Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given
14. 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.
15. Does the Environment policy prescribe for standard operating process / procedures to bring into focus any infringement / deviation / violation of the environmental or forest norms / conditions? If so, it may be detailed in the EIA.
16. What is the hierarchical system or Administrative order of the company to deal with the environmental issues and for ensuring compliance with the EC conditions. Details of this system may be given.
17. 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 should be detailed in the EIA report.
18. Delineate the concrete proposal regarding activities to be undertaken under Corporate Social Responsibility programme, which should be long lasting in nature and should be as per the needs of a particular Village/area/ local habitats/ stakeholders to be adopted by the promoter company, which can be done by involving a person having knowledge and experience of socio-economic activities.

Additional specific TOR: -

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

The aforesaid 'Terms of Reference' will be valid for a period of three years from its issuance. The project proponent should prepare rapid EIA / EMP Report

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

Item No.166.09: Application for obtaining Environmental Clearance under EIA notification dated 14.09.2006 for developing a Medical College and Hospital namely "Chintpurni Medical College and Hospital" in the revenue estate of Village Bungal, Tehsil and District Pathankot by M/s Chintpurni Medical College and Hospital.

The case was considered by the SEAC in its 166th meeting held on 24.05.2018, which was attended by Sh. Vikas Deep, Housekeeping, Incharge on behalf of the project proponent.

The SEAC observed that the representative of the Project Proponent authorized to attend the meeting is neither well conversant with the facts of the project nor is reasonably Senior Officer/Executive who can make any commitment on behalf of the project proponent. Therefore, the SEAC in compliance to the office memorandum dated 25.02.2010 of the MoEF &CC decided to defer the case and asked the project proponent to depute a person to attend the SEAC meeting who is sufficiently senior officer/executive & well conversant with facts of the project with proper authority to sign any document and make any commitment on behalf of project proponent.

Item No.166.10: Application for issuance of TORs for obtaining environmental clearance under EIA notification dated 14.09.2006 for establishment of commercial project namely "Coral Mall" located at Nakodar Road, Jalandhar, Punjab by M/s Shalimar Corp Limited (Old Proposal no. SIA/PB/NCP/58992/2016 for EC, New Proposal No. SIA/PB/NCP/22969/2018 for TORs)

The SEAC observed that: -

M/s Shalimar Corp Limited has applied for environmental clearance under EIA notification dated 14.09.2006 for establishment of commercial project namely "Coral Mall" located at Nakodar Road, Jalandhar, Punjab. The project is covered under category building construction 8 (a) of the Schedule appended to the

said notification. The details of the project as given in Form 1 and 1A and other documents are as under:

- Earlier, the environmental clearance was issued in the name of M/s MGF Developments Ltd. for construction of "The Metropolitan Mall" at Nakodar Road, Jalandhar. M/s Sarup Industries Ltd. is the land owner of the Mall and MGF was developer at that time. Due to financial constraints, the project could not be completed. In the meantime, MGF had left the work. The company had engaged another developer namely Shalimar Corp Ltd. for completing the project and the new name given to the same Mall is Coral Mall. The earlier granted EC by MoEF vide no. 21-715/2006-IA.III dated 29.02.2008 to the MGF Developments had already expired. Therefore, M/s Shalimar Corp Ltd. had filed a application for obtaining environmental clearance in the name of M/s Shalimar Corp Ltd. for Coral Mall. (Old proposal No. **SIA/PB/NCP/58992/2016**)
- The construction status at the site of the Coral Mall was as under: -

S.No.	Description	Total Area	Constructed till date	Balance remaining
		Area (in sqm)		
1.	Basement 1	10, 229.508	10, 229.508	-
2.	Basement 2	10, 845.308	10, 845.308	-
3.	Lower Ground Floor	6, 644.91	6, 630.243	14.67
4.	Upper Ground Floor	6, 702.27	6, 613.48	88.78
5.	First Floor	5, 894.27	5, 862.88	31.39
6.	Second Floor	5, 902.51	5, 871.11	31.39
7.	Third Floor	5, 147.140	5, 115.75	31.39
8.	Fourth Floor	707.31 (Multiplex)	707.28	-
9.	Fourth Floor (Projection Room)	187.04 (Multiplex)	187.04	-
10.	Services Area	500	500	-
	Total	52, 760.219	52, 562	197.62

Thus, the total plot area of the project is 14, 077.18 sqm (3.4 acre) and the total built up area of the Project is 52760.219 sqm out of which 52, 562 sqm has already been constructed and balance to be constructed is 197.62 sqm The estimated total population will be 12750 persons which includes staff @1143, visitors @3061, food court and kitchen @1500, multiplex @4500 and

commercial @342.

- The area of the site has been earmarked as residential area in Master Plan and fall within MC limits of Distt. Jalandhar.
- The project proponent has submitted NOC from the Jalandhar Improvement trust vide letter no. JIT/3775 dated 23.08.2006 wherein it has been mentioned that 3.88-acre area is in the name of Saroop Tanneries, Nakodar Road, Jalandhar and the said industry can construct the shopping cum multiplex after getting plan sanctioned by MC Jalandhar.
- The total vehicle parking required at the site is 651 ECS but parking proposed is 656 ECS.
- The total water requirement will be 558 KLD which includes fresh water requirement @284 KLD. The fresh water requirement will be met through MC supply.
- The total wastewater generation from the project will be 289 KL/day, which will be treated in a STP of capacity 350 KLD to be installed at project site including wet weather flow. The treated waste water will be generated @278 KLD from STP. In summer season, the project proponent has proposed to utilize 143 KL/day of treated wastewater for flushing purpose, 04 KLD will be utilized for horticulture purposes & 119 KLD will be used as Makeup water for air condition & 12 KLD will be used as makeup water for DG Cooling. In winter season, 143 KL/day of treated wastewater for flushing purpose, 01 KLD will be utilized for horticulture purposes, 12 KLD will be used as DG Cooling and 122 KLD will be discharged into existing sewer. In rainy season, 143 KL/day of treated wastewater for flushing purpose, 0.3 KLD will be utilized for horticulture purposes, 127.7 KLD will be used as makeup water for air conditioning and 12 KLD as makeup water for DG Cooling.
- The project proponent has submitted letter no. 6512 dated 04.05.2016 issued by MC, Jalandhar wherein it has been mentioned that 289 KLD treated waste water will be discharged into MC sewer by depositing the requisite fees in the office of MC Jalandhar.
- About 688.86 sqm area has been earmarked for green area development in the site.
- The total quantity of solid waste generation will be 2023 kg/day. Primary

collection of solid waste will be done by providing Garbage Chute and then it will be transferred manually using covered trolleys to common solid waste segregation area. A separate area of land is earmarked for segregation and management of biodegradable waste by composting. The biodegradable waste will be converted into Manure using mechanical composter. The composter takes 10 days to convert Organic waste to manure. Two Composters of 200 kg capacity each will be installed. Recyclable waste shall be sold to recyclers. Only inert waste shall be sent to municipal dumping site.

- The project proponent has submitted letter no.912 dated 11.05.2016 issued by MC, Jalandhar wherein it has been mentioned that solid waste generated will have to be disposed off to approved dumping site of MC, Jalandhar by the project proponent and the MC Jalandhar will have no objection to give NOC if the project proponent deposit requisite charges.
- The total load of electricity required for said project will be 5000KW which will be taken from the PSPCL. There is a proposal to install silent 5 nos. DG Sets (4X 1500 KVA & 1 x 500 KVA) as stand-by arrangement.
- The project proponent has also proposed to provide 4 no. of rain water harvesting pits to recharge the rain water with total run of @488 m³ per/hr.
- Solar energy will be used in site and total 12264 units per annum will be saved through use of 12 Solar panels.
- Used oil to be generated from the DG sets will be stored in HDPE tanks and sold to the authorized recyclers.
- Mr. Sanjay Seth (Managing Director) of M/s. Shalimar Corp Limited will be responsible for implementation of EMP for 5 years and after that the welfare society of the project will be responsible for the same.
- Rs. 160 lacs will be incurred for implementation of EMP on account of capital cost and Rs.15 lacs/annum will be incurred on account of recurring charges for implementation of EMP.
- Mr. Sanjay Seth (Managing Director) of M/s. Shalimar Corp Ltd. Will be responsible for implementation of the CSR. The company will contribute 1% of the project cost i.e. Rs. 1 crore towards Social development activities. The list of activities are as under: -
- **TREE PLANTATION (Rs. 20 Lakhs)**

- Tree Plantation in nearby surroundings areas

➤ **EDUCATION (Rs. 25 Lakhs)**

- Adoption of schools for their better regulation and expansion of facilities in Govt. Primary School, Satnam Nagar, Jalandhar
- Programmes for Primary Education in Govt. Primary School, Satnam Nagar, especially for girl children.
- Provision of RO drinking water in the above mentioned school.

➤ **HEALTH (Rs. 30 Lakhs)**

- Medical facilities, ambulance, periodical health check-up and vaccination for construction labour during construction period
- Expansion of the existing dispensary in Civil Dispensary at Jalandhar-Nakodar Road, New Market, Bhargav Camp, Malind Nagar, Avtar Nagar, Jalandhar.

➤ **SOCIAL AWARENESS PROGRAMMES through NGO (Rs. 15 Lakhs)**

- On issues like saving and well-upbringing of girl child.
- Promoting tree plantations, rain water harvesting, provision of solar panels in and around the area, etc.

A team of Sh. Malvinder Singh, Member (SEAC) and Dr. S.S. Viridi Member (SEAC) was constituted and requested vide mail dated 13.12.2016 to visit the project site to verify the compliance of existing project & construction status with regard to expansion component of the project.

The project site was visited by Sh. Malvinder Singh, Member (SEAC) and Dr. S.S. Viridi Member (SEAC) on 15.12.2016 and the visit report received vide email dated 19.12.2016, was attached as Annexure with the agenda.

The case was considered by the SEAC in its 154th meeting held on 03.01.2017, which was attended by the following on behalf of the project proponent:

- (i) Sh. Kuldeepak Singh Bhandari, Project Head.
- (ii) Smt. Priyanka Anand, M/s EQMS India Pvt. Ltd., Environmental Consultant of the promoter Company.

The visiting SEAC members categorically informed that no construction activity of any sort was going on at the project site. It was standstill. The SEAC asked the visiting members regarding the compliance status of condition of already granted Environmental Clearance. The visiting member apprised the SEAC that project

proponent is complying with the conditions of Environmental Clearance already granted as applicable at this stage.

The SEAC was apprised about the letter number 97-98 dated 06.05.2016 addressed to the Member Secretary, Punjab Pollution Control Board, Patiala received from Audit Department wherein it was mentioned that during their visit on 12.01.2016 to the site of Metropolitan Mall, Nakodar Road, Jalandhar being developed by MGF Developers by the Audit officers alongwith an officer from PPCB, RO, Jalandhar, it was observed that construction has been started in Jan 2015 & was in full swing even after the expiry of environmental clearance and without obtaining Consent to Establish of the Punjab Pollution Control Board. The said letter was taken on record by SEAC. To this query, the project proponent admitted the fact that they have carried out the construction activity in their existing site in the year 2015 but it was stopped after the visit by the Audit Department. In view of this statement of the project proponent, the SEAC observed that that it is a case of violation of the provisions of EIA notification dated 14.09.2006 and the case is required to be dealt with as per the OM dated 12.12.12 & 27.06.2013 issued by the MoEF, GOI, New Delhi. The SEAC further observed that list of directors in the company responsible for day to day affairs as submitted by the project proponent are Sanjay Seth, Managing Director, Masood Ahmad, Director, Khalid Masood, Director, Mohd Abdullah Masood, Director, Rajender Prasad Sharma, Director and Kuldeepak Singh Bhandari, authorized signatory.

After deliberations, the SEAC decided to forward the case to SEIAA with the following recommendations:

- To ask the project proponent to submit a formal resolution passed by the Board of Directors of the Company or the Managing Committee /CEO of the Society, Trust, partnership /individually owned concern, within 60 days, mentioning that violations will not be repeated in future and in the meantime, the project may be delisted. In the eventuality of not having any response from the project proponent within the prescribed limit of 60 days, the project file may be closed.
- For initiating credible action against project proponent /responsible persons /Promoter Company i.e. M/s Shalimar Corp Limited and Sanjay Seth, Managing Director; Masood Ahmad, Director; Khalid Masood,

Director; Mohd. Abdullah Masood, Director; Rajender Prasad Sharma, Director and Kuldeepak Singh Bhandari, authorized signatory under the Environment (Protection) Act, 1986 due to start of construction activities of the project without obtaining Environmental Clearance under EIA notification dated 14.09.2006.

- Once action as per point a & b mentioned above have been taken, the concerned case will be dealt with and processed as per the prescribed procedure for dealing with cases for grant of TORs /Environment Clearance /CRZ Clearance and appropriate recommendation made by the EAC/decision taken by the Ministry as per the merit of the case.
- For issuance of directions under Section 5 of the Environment (Protection) Act, 1986 to restrain the promoter company from carrying out any further construction activity of the project till the environmental clearance under EIA notification dated 14.09.2006 is obtained.

However, the above mentioned recommendations are subject to the final order of the Hon'ble Supreme Court of India in matter of civil appeal no. 7191-7192/2015 as may be applicable to this project and decision of any competent authority to the extent applicable.

The case was considered by the SEIAA in its 120th meeting held on 16.03.2017, which was attended by the following on behalf of the project proponent:

- (i) Sh. Atamjit, representative of the promoter Company.
- (ii) Smt. Priyanka Anand, M/s EQMS India Pvt. Ltd., Environmental Consultant of the promoter Company.

The representative of the promoter company submitted that earlier, the environmental clearance was issued in the name of M/s MGF Developments Ltd. for construction of "The Metropolitan Mall" at Nakodar Road, Jalandhar by the Ministry of Environment, Forest and Climate change, New Delhi in which no expiry date or validity has been mentioned. M/s MGF Developments Ltd. could not complete the project due to financial constraints. Another developer namely M/s Shalimar Corp Ltd. has been engaged for completing the project.

To a query of SEIAA regarding as to whether construction was carried out on 12.01.2016 during the visit of audit team, the representative of the promoter Company replied that some construction activities was going on at the time of visit

due to the ignorance of expiry of the validity of Environment Clearance granted to the project. However, thereafter, no construction was carried out. The SEAC members have also visited on 15.12.2016 and reported that no construction activity of any sort was going on the project site and it was stand still.

The SEIAA observed that as recommended by SEAC it is a clear case of violation of the provisions of EIA notification dated 14.09.2006. Further, Ministry of Environment, Forest and Climate change, New Delhi vide Notification No. S.O. 804(E) dated 14.03.2017 has laid down the procedure to deal with the violation cases and has made the following amendments in the EIA Notification, 2006:-

- a) In case the projects or activities requiring prior environmental clearance under Environment Impact Assessment Notification, 2006 from the concerned Regulatory Authority are brought for environmental clearance after starting the construction work, or have undertaken expansion, modernization, and change in product- mix without prior environmental clearance, these projects shall be treated as cases of violations and in such cases, even Category B projects which are granted environmental clearance by the State Environment Impact Assessment Authority constituted under sub-section (3) Section 3 of the Environment (Protection) Act, 1986 shall be appraised for grant of environmental clearance only by the Expert Appraisal Committee and environmental clearance will be granted at the Central level.
- b) In cases of violation, action will be taken against the project proponent by the respective State or State Pollution Control Board under the provisions of section 19 of the Environment (Protection) Act, 1986 and further, no consent to operate or occupancy certificate will be issued till the project is granted the environmental clearance.
- c) The cases of violation will be appraised by respective sector Expert Appraisal Committees constituted under subsection (3) of Section 3 of the Environment (Protection) Act, 1986 with a view to assess that the project has been constructed at a site which under prevailing laws is permissible and expansion has been done which can be run sustainably under compliance of environmental norms with adequate environmental safeguards; and in case, where the finding of the Expert Appraisal Committee is negative, closure of the project will be recommended along with other actions under the law.
- d) In case, where the findings of the Expert Appraisal Committee on point at sub-para (4) above are affirmative, the projects under this category will be prescribed the appropriate Terms of Reference for undertaking Environment Impact Assessment and preparation of Environment Management Plan. Further, the Expert Appraisal Committee will prescribe a specific Terms of

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

- e) The Expert Appraisal Committee shall stipulate the implementation of Environmental Management Plan, comprising remediation plan and natural and community resource augmentation plan corresponding to the ecological damage assessed and economic benefit derived due to violation as a condition of environmental clearance.
- f) The project proponent will be required to submit a bank guarantee equivalent to the amount of remediation plan and Natural and Community Resource Augmentation Plan with the State Pollution Control Board and the quantification will be recommended by Expert Appraisal Committee and finalized by Regulatory Authority and the bank guarantee shall be deposited prior to the grant of environmental clearance and will be released after successful implementation of the remediation plan and Natural and Community Resource Augmentation Plan, and after the recommendation by regional office of the Ministry, Expert Appraisal Committee and approval of the Regulatory Authority.

The SEIAA observed that as per amendment at mentioned at (a) above, violation cases of even category "B" projects which are granted Environment Clearance by SEIAA are to appraised for grant of Environment Clearance only by the EAC and Environment Clearance is to be granted at Central level. As such, the present case also lies in the competency of the MoEF&CC, New Delhi. The present Environment Clearance application filed by the project proponent online with SEIAA Punjab is required to be transferred to MoEF&CC, New Delhi but there is no provision in the online web portal to transfer the Environment Clearance application by SEIAA, Punjab to MoEF&CC, New Delhi. The application has to be decided as otherwise it will keep reflecting in the pending Environment Clearance applications/ cases. The SEIAA observed that it has no other option except to reject the Environment Clearance application in order to clear it from the web portal.

After detailed deliberations, the SEIAA decided as under: -

- (i) Reject the application for establishment of commercial project namely "Coral Mall" located at Nakodar Road, Jalandhar, Punjab developed by M/s Shalimar Corp Limited, as there is no provision on the web portal (www.environmentalclearance.nic.in) to transfer the same by SEIAA to MoEF&CC, New Delhi and there is no option left with SEIAA to decide/clear the pending application from web portal except rejecting it.
- (ii) Project proponent be informed to apply fresh application at the Central level as per the provisions of amended EIA Notification, 2006.
- (iii) The proceedings be also sent to the Punjab Pollution Control Board for taking necessary action as per the provisions of sub para (3) of the para 13 of the amended Notification dated 14.03.2017.

In compliance to the aforesaid decisions taken by SEIAA, the following action have been taken:-

- (i) The application of the project proponent has been rejected vide letter no. 198 dated 21.03.2017 as there is no provision on the web portal (www.environmentalclearance.nic.in) to transfer the same by SEIAA to MoEF&CC, New Delhi and there is no option left with SEIAA to decide/clear the pending application from web portal except rejecting it.
- (ii) Project proponent has been informed vide letter no 199 dated 21.03.2017 to apply fresh application at the Central level as per the provisions of amended EIA Notification, 2006
- (iii) An excerpt of the item has been sent to the Member Secretary, Punjab Pollution Control Board vide letter no 201 dated 21/03/2017 for taking further necessary action as per the provisions of sub para (3) of the para 13 of the amended Notification dated 14.03.2017.

It is further added here that, MoEF&CC issued amended notification dated 08.03.2018 wherein the power to decide the violation cases of category 'B' project have been delegated to SEIAA & SEAC, which were earlier vested with MoEF&CC, New Delhi. The notification while laying down the procedure, the para (4) & (5) prescribes as under:-

- (4) The cases of violations will be appraised by the Expert Appraisal Committee at the Central level or State or Union territory level Expert Appraisal Committee constituted under sub-section (3) of section 3 of the Environment (Protection) Act,

1986 with a view to assess that the project has been constructed at a site which under prevailing laws is permissible and expansion has been done which can run sustainably under compliance of environmental norms with adequate environmental safeguards, and in case, where the findings of Expert Appraisal Committee for projects under category A or State or Union territory level Expert Appraisal Committee for projects under category B is negative, closure of the project will be recommended along with other actions under the law.

- (5) In case, where the findings of the Expert Appraisal Committee or State or Union territory level Expert Appraisal Committee on point at sub-paragraph (4) above are affirmative, the projects will be granted the appropriate Terms of Reference for undertaking Environment Impact Assessment and preparation of Environment Management Plan and the Expert Appraisal Committee or State or Union territory level Expert Appraisal Committee, will prescribe specific Terms of Reference for the project on assessment of ecological damage, remediation plan and natural and community resource augmentation plan and it shall be prepared as an independent chapter in the environment impact assessment report by the accredited consultants, and the collection and analysis of data for assessment of ecological damage, preparation of remediation plan and natural and community resource augmentation plan shall be done by an environmental laboratory duly notified under the Environment(Protection) Act, 1986, or a environmental laboratory accredited by the National Accreditation Board for Testing and Calibration Laboratories, or a laboratory of the Council of Scientific and Industrial Research institution working in the field of environment.

It is further added here that MoeF & CC vide OM dated 16/03/2018 in compliance of the order dated 14th March, 2018 of Hon'ble High Court of Judicature at Madras in WMP Nos.3361 and 3362 of 2018 and WMP No.3721 of 2018 in WP No.11189 of 2017, has issued one of the direction among other direction for compliance with immediate effect that the project proponent, who have not submitted the proposals within six months window i.e. up to 13th September, 2017 in pursuance of this Ministry's Notification S.O.804 (E) dated 14th March, 2017, are required to submit the proposals within 30 days (date of delivery of order of Hon'ble High Court, Madras in open court i.e 13/04/2018), to the EAC for category A projects or the SEAC/SEIAA in the respective States/UTs for category B projects.

The project proponent applied afresh application vide proposal No. IA/PB/NCP/72329/2018 on 20/07/2017 to the MoEF for issuance of TORs, which has been transferred to SEIAA vide proposal no. SIA/PB/NCP/22969/2018 on 28/03/2018 in reference to MoEF Notification dated 08/03/2018. The project proponent has submitted the following documents: -

1.	Properly filled Form 1 and basic information	Yes
2.	Conceptual plan	Submitted
3.	Proof of ownership of land	Not submitted
4.	Copy of Memorandum of Article & Association /partnership deed /undertaking of sole proprietorship /list of Directors and names of other persons responsible for managing the day-to-day affairs of the project.	Not submitted
5.	Draft ToRs	Submitted
6.	List of accredited EIA consultant organization with accredited sector of NABET	Submitted
7.	Damage assessment report	Submitted
8.	Remediation measure	Submitted

The brief detail of the project is as under: -

- Proposed commercial development project "Coral Mall" is located at Nakodar Road, Jalandhar, Punjab. The case is a case of violation on account of non-completion of the project within the validity of EC and resumption of work without getting the EC extended.
- The project proponent has applied for the Environment Clearance for the completion of balance construction work.
- The area of the site has been earmarked as residential area in Master Plan and fall within MC limits of Distt. Jalandhar. NOC from the Jalandhar Improvement trust has been taken vide letter no. JIT/3775 dated 23.08.2006, wherein it has been mentioned that 3.88 acre area is in the name of Saroop Tanneries, Nakodar Road, Jalandhar and the said industry can construct the shopping cum multiplex after getting plan sanctioned by MC Jalandhar.
- **Land Use of Area for Present Development (APD)**

Land Use	Area (m ²)	%
Ground Coverage	6, 776	48
Open Area	6612.32	47
Green Area	688.86	5
Total	14077.18	100

The case was considered by the SEAC in its 166th meeting held on 24.05.2018, which was attended by the following on behalf of the project proponent:

- (i) Sh. Navdeep Sharma, CEO-Shalimar on behalf of the project proponent.
- (ii) Sh. Akhil Prasad, FAE, M/s DAS India, Environment consultant of the promoter company.

Environment consultant of the promoter company presented the salient features of the project as under:

- Application for prior Environment clearance was submitted to MoEF, Delhi on 07.12.2006
- Case was discussed in the EAC meeting held on 23-24 March 2007, 25th -27th September 2007 and 28th -30th January 2008.
- Project was awarded "Silver Grading" and issued the environment clearance vide letter no.21-715/2006-IA.III dtd. 29.02.2008.
- Construction work was continued till year 2010 and then stopped due to financial constraints.
- All the ground breaking and structural work including basement & superstructure was completed within this period i.e year 2010 except finishing & furnishing.
- The developer was changed and a new developer "M/s Shalimar Corps Ltd." change the project name to "Coral mall". There after finishing was started again in January 2015 which was left earlier under a wrong understanding of the phraseology of EC, which did not mention a expiry date.
- Fresh application was submitted to Punjab SEIAA. on 23.02.2016 for the issue of Environment clearance to complete the balance work of completion.
- Two members SEAC subcommittee has visited the project site on 15.12.2016, and the site visit report was discussed in 154th meeting dtd. 03.01.2017. Site visit of PPCB & audit officers' team on 12.01.2016, it was found that the construction work has started in January 2015, even after the expiry of EC. However only finishing work was started. Committee was in the view that the case is violation of EIA notification 14.09.2006. The case was sent back to SEIAA.
- The Consent to Establish has been granted on 03.04.2017 vide Certificate no. CTE/Fresh/JAL/2017/5028531.
- The project is a case of violation of EIA notification 2006, only on account of non-completion of the project within the validity of EC and resumption of work without getting the EC extended.
- Online application for ToR (under violation category), as per SO No. 804 (E), dtd 14- Mar-2017, was submitted on 20 July 2017.
- Action as per Model ToR of EAC for violation cases taken by the proponent is as follows:
 - ❖ Construction was stopped wef : 21/01/2016 as soon as the knowledge of EC validity was cleared to us.

- ❖ Baseline monitoring on the location completed
 - ❖ Damage Assessment Report prepared.
 - ❖ Action under sec 19& 15 of the EP Act1986 initiated.
- The case has been transferred to SEAC Punjab on 28 March 2018.

COMPARITIVE AREA STATEMENT

Items	Proposal as per EC vide Letter No. 21-715/2006-IA.III dated 29th February, 2008	Now Proposed
Type of Building	Shopping Mall	Shopping Mall
Total Plot Area	14, 077.18sqm	14, 077.18sqm
Permissible ground coverage (@ 50%)	7, 038.59 m ²	7, 038.59 m ²
Proposed Ground coverage (@ 48.135%)	6, 776 m ²	6, 776 m ²
Total open (Plot Area-Ground coverage) area	6612.32 m ²	6612.32 m ²
Facilities	500 m ²	500 m ²
Landscape area (Soft Green)	688.86 m ²	688.86 m ²
Permissible FAR(@ 1:300%)	42, 231.53 m ²	42, 231.53 m ²
Proposed FAR	30, 987.83 m ² (@ 2.201%)	31, 185.47 m ² (@ 2.215%)
Total Basement area (I Basement +II Basement)	21, 074.816 m ² (10, 229.508+10, 845.308)	21, 074.816 m ² (10, 229.508+10, 845.308)
Total Non-FAR(Basement + Facilities)	21574.8 m ²	21574.8 m ²
Built up Area (FAR+ Non FAR)	52, 562 m ²	52, 760.28m ²

➤ **The salient features of the project are as under: -**

Parking facilities	Required: 651 ECS Provided: 656 ECS						
Power requirement & source	5000KVA Source: Punjab State Power Corporation Ltd(PSPCL)						
Water requirement & source	Season	Fresh water	Treated/ Recycled water	Total Water			
	Summer	170 KLD	215 KLD	385 KLD			
	Winter	170 KLD	212 KLD	382KLD			
	Rainy	170 KLD	211 KLD	381 KLD			
	Source: Municipal supply, tertiary treated water from onsite STP						
Sewage Treatment & Disposal	The waste water generated from campus (i.e. 326 KLD) will be treated in the STP of 400 KLD (installed at 25% higher capacity) up to tertiary level. Total 290 treated waste water will be generated from the final outlet of the STP after considering 10% evaporation losses. Tertiary treated water will be recycled for various low end uses including toilet flushing, HVAC cooling and horticulture purposes while surplus treated water will be discharged after secondary treatment into municipal sewers.						
	S. No.	Season	Flushing KLD	KLD in an area of 688.8 sqm	HVAC	Into MC Sewer	Total Water
	1.	Summer	150	4	61	75	290
	2.	Winter	150	1	61	70	290
	3.	Rainy	150	0.3	61	79	290.3
Rain Water Harvesting Details	3 Nos. rain water harvesting pit will be provided within project premises. RWH will be initially done only from the roof top. Runoff from green and other open areas will be done only after permission from CGWB.						
Total solid waste generated	<p>Total Organic waste generated: 414 kg/day Total Inorganic waste generated: 1729 kg/day Horticulture waste generated: 2.5 kg/day Total E-waste generated: 1kg/day STP Sludge: 12 kg/ day</p> <p>Solid Waste Management</p> <ul style="list-style-type: none"> • A Floor to Floor collection system through service lift • 5 sets of colored bins at each floor (Green and Blue for Bio-degradable and Non Bio-degradable waste) • Generated Solid waste shall be segregated & collected and temporarily stored at common solid waste collection center & then transported to the nearest processing site by the hired waste management/municipal agency for their treatment and disposal. • Storage of solid waste shall be done for maximum 48 hours at site. 						

	<ul style="list-style-type: none"> • Mechanical Composter will be provided for the treatment of bio-degradable waste. • Non Bio-degradable waste will be picked up by the Municipal agencies for their further treatment and disposal. • Recyclable waste will be sold to authorized agencies. • STP sludge will be disposed off along with municipal solid waste. • Hazardous waste (Spent/ Used Oil) & e-waste will be stored at separate place and handover to authorized dealers.
Estimated population to step in	Employees: 12750

Damage Assessment Report

The damage assessment report strives to audit and review the measures and steps that the proponents have taken to address & mitigate the anticipated impacts of their project. The assessment is made against the parameters Land, Air, Water, Waste Management, Risk assessment etc.

Land Environment: The development activities have been performed as per the Master Plan & on a vacant plot of land, so no demolition work was carried out during site preparation. Regular soil sampling is being done to assess any soil degradation due to construction activity.

Water Environment: 50 KLD water needed to perform construction activities.

- No ground water extraction

Per capita water demand during Operation phase

Sr. No	Water Type (LPCD)	Staff/commercial	Visitor/ Multiplex	Food court
1	Fresh water	30	5	50
2	Flushing Water	15	10	20
	Total water	45	15	70

Air environment: Due to fugitive dust emission from excavation of earth, movement of transport vehicle and material handling at site, ambient air quality of the area gets deteriorated

Noise Environment: Noise is an area of concern and the high noise levels may be attributed to vehicular movement, DG set operations as well as on-going construction work around the area. Apart from these construction workers working in close proximity of the high noise generating equipment are at risk to several physical problems, i.e., headache, nausea, and in extreme cases loss of hearing

Solid Waste

- Approximately, 2110 MT (40 kg/Sqm of built-up area) of construction waste is envisaged till the end of the project.
- About 2.1 MT of municipal solid waste is envisaged from shopping complex, multiplex and food court during the operation of the project

Energy resource

During operation the peak power demand of the project is approximately 5000 KVA which will be procured from PSPCL. 100% power backup is proposed through stand by DG sets (4 x 1500 kVA + 1 x 500 KVA).

Remediation Plan and Natural Community Augmentation Plan	
<p>During construction all the Specific and General conditions mentioned in previous EC have been followed and complied. There is no change in plot area and development mix of the project.</p>	
<p>Land Environment</p> <ul style="list-style-type: none"> • Project Layout Plan has already been approved from Jalandhar Municipal Corporation and the development of project was as per the Layout Plan and EC conditions, hence there is no significant impact on the land and surrounding area. • All the facilities such as connecting roads, open space, water supply, drainage and sewer etc. have already been developed by Jalandhar Municipal Corporation. • All the ground breaking activities such as excavation of basements & foundations has already been completed. 	
Water Environment	
Construction Phase	Operation Phase
<ul style="list-style-type: none"> • No ground water will be utilized for the construction activities. • Municipal Water Supply / private water tankers • Covered underground lined water tank was constructed for temporary storage of water. 	<ul style="list-style-type: none"> • Municipal water supply • Water saving fixtures proposed during operation <ul style="list-style-type: none"> - Low flow faucets - Dual/low flush cisterns - Sensor based fixtures • 4 Rain water harvesting pits are proposed. • Dual plumbing with color coded pipes
Air Environment	
<ul style="list-style-type: none"> • Dust suppression measures • Construction machinery and vehicles must be in properly maintained to reduce noise and gaseous emission. • PUC certificate is mandatory for vehicles to enter into project area • Low Sulphur Diesel is used in D G sets for construction. • Heights of stack of DG sets are as per CPCB/PPCB norms. 	<ul style="list-style-type: none"> • Use of low Sulphur diesel for back up DG sets. • Adequate stacks height, as per CPCB/PPCB norms, for backup DG sets. • Periodic monitoring of DG stack emissions • Peripheral plantation will be provided with dust absorbing species • Prohibit smoking in common areas.
Noise Environment	
Construction Phase	Operation Phase
<ul style="list-style-type: none"> • Regular maintenance for high noise generating equipment. • Old & obsolete machinery shall not be used. • Working hours are confined to day time only. • Periodic job rotation and Necessary PPEs • Acoustic mufflers/ enclosures to be provided in D.G Sets and large engines. • Periodic ambient noise monitoring will be conducted. 	<ul style="list-style-type: none"> • Peripheral plantation • Silent type DG sets with anti-vibration pads will be provided for backup power supply. • Honking will be discouraged
Solid Waste Management	
<p>The four R's of waste i.e. waste reduction, reuse, recycling, and recovery (materials & energy) will be done.</p>	

Construction Phase	Operation Phase
<ul style="list-style-type: none"> • Mobile toilets are provided for labors. • For collection and periodic disposal of solid waste plastic bins are provided • Construction Debris (Bricks, Cement, Concrete and Mortar etc.) was reused in road construction, backfilling and leveling, spare debris (if any) is being disposed off as per Construction and Demolition Waste Management Rules. • Spillage, if any is being properly collected and disposed. 	<ul style="list-style-type: none"> • Different color coded bins will be provided • The recyclable inorganic & e-waste wastes will be sold to authorized buyers. • The biodegradable waste will be converted into manure using mechanical composter. Two composters of 200 kg capacity each will be installed.
<p>Green Area Development</p> <ul style="list-style-type: none"> • Total green area proposed is 688.86 m²(10 % of total open area.) • Native tree species will be introduced for the development of green area. • Trees with large leaf will be planted on the periphery and for avenue plantation. • Appropriate landscape including plantation of evergreen and ornamental flowering trees, shrubs and ground covers at open spaces. 	
<p>Fire Fighting System</p> <ul style="list-style-type: none"> • Firefighting provisions are made according to National Building Code 2005, Sec IV. Fire water storage tank • Redundant fire water pumps • Wet risers and hose reel fire extinguishers. • Fire tender pathway will be provided • Sprinklers and ventilation system in basement • Adequate number of fire extinguishers will be provided. • The electrical systems provided with automatic circuit breakers. • Fire detection systems (Smoke Sensors) • Fire Alarm systems (Automatic alarms, manual call points) • Separate fire stairs and fire escape route displayed with signage. <p>Energy Resource Management</p>	
Construction Phase	Operation Phase
<p>During construction most of the energy is obtained from operational DG sets</p>	<ul style="list-style-type: none"> • Maximum utilization of natural light • Use of LED • Day light photo sensors to ascertain automatic shut off lighting when not in use. • Use of solar lights in common areas and basement parking. 2% of total power demand (100 KW) will be managed through solar energy • Recycled water from STP will be used for HVAC cooling and horticulture.

Environment Management Plan along with Budgetary break up phase wise and responsibility to implement	Mr. Kuldeepak Singh Bhandari of M/s. Shalimar Corp Limited will be responsible for implementation of EMP. Budgetary break up phase wise is as under:-		
	Description	Capital Cost	Recurring Cost (per annum)
	Construction	Rs. 189 lac	-
	Operation	-	Rs. 32.5lac
	Monitoring of Air, Noise water.	-	Rs. 2 lac

Environmental consultant of the promoter company concluded that they had already complied the Terms of Reference. Regarding additional specific TOR in line with the notification dated 14.03.2017 to the project proponent as amended on 08.03.2018, No ecological damage is envisaged as all the construction activities was done as per the guidelines mentioned in Environment Clearance issued on to the project vide **MoEF Letter No. 21-715/2006-IA.III dated 29th February, 2008**. Damage Assessment Report has been prepared and submitted along with application.

The SEAC observed that project proponent is required to rectify the comparative area statement.

To a query regarding site suitability of the project, the project proponent stated that building plan has already been approved by the Municipal Corporation, Jalandhar. Moreover, the project was awarded "Silver Grading" and issued the environment clearance vide letter no.21-715/2006-IA.III dtd. 29.02.2008

The SEAC observed that in view of the above mentioned facts, the findings in the present case regarding suitability of site to be assessed as per the provisions of sub paragraph (4) of amended EIA notification dated 08.03.2018 are affirmative and decided to proceed further for finalization of TORs as per the provision of sub para 5 of said Notification.

To an another query regarding as to whether any construction activity has been carried out after filing of the case, the project proponent stated that no

construction activity has been carried after 20/01/2016. The project proponent submitted the Construction Status of the project by 20/01/2016 as under: -

S. No.	Description	Total Area	Constructed till 20/01/2016	Balance remaining
1	Basement 1	10, 229.508	10, 229.508	-
2	Basement 2	10, 845.308	10, 845.308	-
3	Lower Ground Floor	6, 644.91	6, 630.243	14.67
4	Upper Ground Floor	6, 702.27	6, 613.48	88.78
5	First Floor	5, 894.27	5, 862.88	31.39
6	Second Floor	5, 902.51	5, 871.11	31.39
7	Third Floor	5, 147.140	5, 115.75	31.39
8	Fourth Floor	707.31(Multiplex)	707.28	-
9	Fourth Floor (Projection Room)	187.04(Multiplex)	187.04	-
10	Services Area	500	500	-
	Total	52, 760.219	52, 562	197.62

During presentation, the project proponent presented site photographs. SEAC observed from the site photographs that construction work of the shopping mall has not yet been completed.

After detailed deliberations, SEAC decided that sub-committee comprising of SEAC members Sh. N.S. Kahlon and Dr. A.K. Vig alongwith Environmental Engineer, PPCB, Regional Office, Jalandhar shall visit the project site to verify the construction status of Shopping Mall & also suggest if any additional condition is required to be imposed. The sub-committee shall submit its report within 15 days and thereafter, the case be placed in the next meeting of SEAC.

Item No.166.11: Application for issuance of TORs for obtaining environmental clearance under EIA notification dated 14.09.2006 for establishment of group housing project namely "Rail Vihar" at VIP Road, Zirakpur, Punjab by M/s Indian Railways Welfare Organisation (Old Proposal no. SIA/PB/NCP/37409/2015 for EC, New Proposal No. SIA/PB/NCP /24636/2018)

The SEAC observed that:

M/s Indian Railways Welfare Organisation has applied for environmental clearance under EIA notification dated 14.09.2006 for establishment of group housing project namely "Rail Vihar" at VIP Road, Zirakpur, Punjab. The project is covered under category building construction 8 (a) of the Schedule appended to the said notification. The details of the project as given in Form 1 and 1A and other documents are as under:

- The total plot area of the project is 30201.68 sqm and the total built up area of the Project is 44709.75sqm The estimated total population will be 2515 persons.
- The total parking proposed in the site is 372 ECS.
- The area of the site has been earmarked as residential area in Master Plan.
- The total water requirement will be 340 KLD which includes fresh water requirement @245 KLD. The fresh water requirement will be met through own tubewell.
- The total wastewater generation from the project will be 272KLD, which will be treated in a STP of capacity 300 KLD to be installed at project site including wet weather flow. In summer season, the project proponent has proposed to utilize 95 KL/day of treated wastewater for flushing purpose, 25 KLD will be utilized for horticulture purposes &125 KLD will be discharged into sewer. In winter season, 95 KL/day of treated wastewater for flushing purpose, 09 KLD will be utilized for horticulture purposes &141 KLD will be discharged into sewer. In rainy season, 95 KL/day of treated wastewater for flushing purpose, 2 KLD will be utilized for horticulture purposes &148 KLD will be discharged into sewer.
- About 4495.31 sqm area has been earmarked for green area development in the site.
- The total quantity of solid waste generation will be 1189 kg/day. Solid waste will be collected separately as Biodegradable and Non-biodegradable waste as per the MSW Rules, 2000. The biodegradable wastes will be treated by organic waste convertors. Recyclable and non-Recyclable waste will be disposed through Govt. approved agency i.e. MC Zirakpur.

- The project proponent has submitted letter no.3166 dated 08.09.2015 issued by EO, MC, Zirakpur wherein it has been mentioned that solid waste generated will be collected by MC, Zirakpur on depositing the requisite charges as framed by Deptt. of Local Bodies, Govt. of Punjab.
- The total load of electricity required for said project will be 2409 KVA which will be taken from the PSPCL. There is a proposal to install silent 32 nos. DG Sets (2X 320 KVA) as stand-by arrangement.
- The project proponent has also proposed to provide 4 no. of rain water harvesting pit to recharge the rain water.
- Solar energy will be used for street light as well as in the parks. CFLs will be used in buildings to minimize the energy consumption. Green area is provided along with tree plantation which will result in natural air cooling and will reduce the load on conventional energy sources.
- Bhupinder Singh, GM & Atma Singh, CPM of the company will be responsible for implementation of EMP till the handing over of the project to association of residents.
- In operation phase, Rs. 49.97 lacs as capital cost, Rs. 19.26 lacs as recurring cost will be incurred.
- Indian Railway Welfare Organization is a government organization and not entitled for Corporate Social Responsibility.
- The project proponent has submitted a copy of map wherein the distance of the site from Sukhna Wild Life Sanctuary & City Bird Sanctuary has been authenticated as 12.00 km & 10.25 km respectively from Deputy Chief Wild Life Warden, Chandigarh. The project proponent has also submitted a copy of letter addressed to Chief Wild Life Warden, Haryana for obtaining permission from NBWL as Khol-Hi-Raitan wild life sanctuary is falling within ten km radius of the site.

Further, the Member Secretary, Punjab Pollution Control Board, Head office, Patiala vide letter no. 6423 dated 19/09/2016 had informed as under:

1. The project proponent of M/s Indian Railway Welfare Organization (IRWO) is developing residential complex named as "Rail Vihar" (IRWO) at VIP Road, Zirakpur, in an area of 30, 201.68 sqm (built up area: 44, 487.91 sqm) having 443 flats of different categories.
2. The site of the group housing project was visited by the officers of the Board on 09.02.2016 and it has been observed that IRWO has completed the construction of 443 flats of different categories. During visit, the representative of the IRWO informed that the construction of the project was started in the year 2010 and the

same was completed on 31.01.2016. Since, the project has started construction activities at site without obtaining Environmental Clearance under the provision of EIA Notification dated 14.09.2006, as such, is liable for action under the provisions of the Environment (Protection) Act, 1986.

3. It has been recommended that action u/s of the Environment (Protection) Act, 1986 may be initiated against the project proponent for violation of provisions of the EIA Notification dated 14/09/2006.

The case was considered by the SEIAA in its 115th meeting held on 23.09.2016 and the SEIAA observed that there might be other similar projects in the knowledge of the Punjab Pollution Control Board, which are violating the provision of the EIA, Notification 14.09.2006.

After detailed deliberations, among other decisions, it was decided that Show cause notice be issued to the M/s Indian Railway Welfare Organization (IRWO) for its group housing project namely "Rail Vihar" at VIP Road, Zirakpur, Distt. S.A.S. Nagar. Accordingly, in compliance to the above said decisions, the following actions were taken:

- 1) Show cause notice was issued to the project proponent vide letter No. 3434 dated 27.09.2016
- 2) The Member Secretary, Punjab Pollution Control Board was informed vide letter No. 3435 dated 27.09.2016

Thereafter, the General Manager (Chandigarh), M/s Indian Railway Welfare Organization (IRWO) vide letter dated 13.10.2016 in reply to show cause notice no SEIAA/2016/3434 dated 27.09.2016 has submitted that the notice was received on 10.10.2016 however, 15 days' notice period was over on 11.10.2016. Further, he has requested to extend time upto 25.10.2016 to submit the reply. The case was considered by the SEIAA in its 116th meeting held on 20.10.2016 and no one has attended the meeting on behalf of the project proponent.

After deliberations, the SEIAA decided to defer the matter and allowed 15 days' time to the project proponent for submitting the reply to the show cause notice and case to be placed in the next meeting.

Thereafter, the Indian Railway Welfare Organization (IRWO) was informed vide letter no 3574 dated 17.11.2016 to reply to show cause notice within 15 days. The General Manager, IRWO, Zirakpur vide letter dated 20/12/2016 &

25/11/2016 has submitted that reply has already been submitted vide letter dated 26/10/2016, which is reproduced as under:

1. "Indian Railway Welfare Organization (IRWO) is Welfare Organization Registered with Registrar of Societies, Delhi under Societies Registration Act XXI of 1960, having its registered office, presently located at Railway Offices Complex, Behind Shankar Market, New Delhi. The object of IRWO is predominantly and chiefly to promote and provide dwelling units all over India to the serving, retired Railway personnel and their windows on 'No Profit No Loss Basis'.
2. The present housing project near Chandigarh at VIP Road, Zirakpur is one of the project promoted by IRWO. The same has been approved by Municipal Council, Zirakpur vide sanction order No. 391 dated 09.03.2010. The layout plan was further revised to provide two lifts in each block and approved vide Sanction Order No 1758 dated 18.05.2012.
3. However, while approving the layout plans of IRWO 's Rail Vihar at Zirakpur Municipal Council, Zirakpur did not ask IRWO to obtain Environment Clearance from Ministry of Environment and Forests, NOC from Airport authorities, 'Consent to Establish Sewerage Treatment Plant' from Punjab Pollution Control Board. IRWO was asked to obtain approval of the Fire Fighting scheme from the Fire Officer and the same was obtained from the Fire Officer and was approved vide their Sanction Order No.326 dated 31.03.2010.
Municipal Council, Zirakpur, while sanctioning the above plans of the Rail Vihar, also did not give any endorsement, on the sanctioned plan, of EIA notification No.1533 dated 14.09.2006 and neither we were in the know of this notification.
4. Thus, the sanctioning of the Housing Plan of Rail Vihar of IRWO at VIP Road, Zirakpur, by Municipal Council, Zirakpur became the authority for under taking construction of the Rail Vihar project. The construction works were started in the year 2010.
5. During the course of construction Municipal Council, Zirakpur, was asked to make available water for the Rail Vihar but they showed their inability to do so and they asked IRWO to make its own arrangements for the water supply. Accordingly, IRWO decided to provide tube wells to meet its water requirements and on the application of IRWO, CGWA gave its NOC vide their

letter no. 21-4 (643) NWR/ CGWA/ 2014-1687 dated 16.10.2014 for the provision of tube wells.

6. This office came to know of the provisions of Environment Clearance when the application for 'Consent to Establish' was being prepared for the STP, sanctioned by Municipal Council in the sanctioned plan, and having come to know of these provisions application was made out for obtaining the Environment Clearance.

The application for the Environment Clearance was accepted online on 31.12.2015 and since then a number of clarifications have been sought and are being given from time to time (copies enclosed).

7. We have earlier completed two phases, (Phase I & II), IRWO Housing projects at Mansa Devi Complex at Panchkula, 277 dwelling units in the year 2005 and at no stage Environment Clearance was asked to be obtained. Therefore, this requirement of obtaining the Environment Clearance, before start of the construction, was not known while starting the present project.

Prayer

1. In view of the reasons brought out above, for not taking Environment Clearance before the start of the construction work, it is prayed that the action against IRWO under the provisions of Environment (Protection) Act, 1986 may kindly not be intimated.
2. IRWO has been fulfilling all the statutory requirements and has obtained NOCs from i) Airport Authorities ii) CGWA for providing tube wells iii) Fire Fighting and has applied for consent to Establish the STP and Environment Clearance Thus it would be seen that IRWO had no intention to violate any of the provisions of various Acts. "

Further, the General Manager, IRWO, Zirakpur vide letter dated 24/12/2016 & 20/12/2016 has requested to inform regarding the intimation of SEIAA meeting as and when scheduled. IRWO has been informed on Mobile No 95698-32133 & SMS dated 29.12.2016 to attend meeting to be held on 04.01.2017 along with reply to the show cause notice.

The matter was considered by the SEIAA in its 119th meeting held on 04.01.2017, which was attended by Sh. Bhupender Singh, General Manager, IRWO. He informed that application for obtaining Environment Clearance was applied online

and thereafter certain observations were raised. The application for obtaining Environment Clearance along with the reply to the observations will be re-submitted online within one-month time and requested to allow for the same.

As such, the SEIAA decided to accept the request of project proponent and deferred case to be placed after one-month time.

Thereafter, the project proponent has applied online for obtaining environmental clearance under EIA notification 14.09.2006.

The case was considered by SEAC in its 155th meeting held on 23.02.2017, which was attended by the following on behalf of project proponent:

- (i) Sh. Bhupender Singh, General Manager, IRWO, Chandigarh.
- (ii) Mr. Rishab Kumar, Asst. Manager, M/s Grass Roots Research & Creation India Pvt. Ltd. Noida, UP, Environmental Consultants of the company.

On perusal of the report received from Member Secretary, PPCB, Patiala, the SEAC observed that the project proponent has already carried out construction at site without obtaining environmental clearance as required under EIA notification dated 14.09.2006. Thus, it is case of violation of the provisions of the said EIA notification, since as per this notification the project proponent cannot carry out any construction work at site except securing of land without obtaining environmental clearance under the said notification. Therefore, this case is required to be dealt in accordance with Office Memorandum dated 12.12.2012 of the Ministry of Environment & Forests.

After deliberations, the SEAC decided to forward the case to SEIAA with the following recommendations:

- To ask the project proponent to submit a formal resolution passed by the Board of Directors of the Company or the Managing Committee /CEO of the Society, Trust, partnership /individually owned concern, within 60 days, mentioning that violations will not be repeated in future and in the meantime, the project may be delisted. In the eventuality of not having any response from the project proponent within the prescribed limit of 60 days, the project file may be closed.
- For initiating credible action against project proponent /Promoter Company i.e. IRWO in this case which is society having its regd. Office

at Delhi and its responsible person i.e. Chairman, Managing Director & all the Members (Names given in the Memorandum of Article of Association) & General Manager being Authorized Signatory under the Environment (Protection) Act, 1986 due to start of construction activities of the project without obtaining Environmental Clearance under EIA notification dated 14.09.2006.

- Once action as per point a & b mentioned above have been taken, the concerned case will be dealt with and processed as per the prescribed procedure for dealing with cases for grant of TORs /Environment Clearance /CRZ Clearance and appropriate recommendation made by the EAC/decision taken by the Ministry as per the merit of the case.
- For issuance of directions under Section 5 of the Environment (Protection) Act, 1986 to restrain the promoter company from carrying out any further construction activity of the project till the environmental clearance under EIA notification dated 14.09.2006 is obtained.

However, the above mentioned recommendations are subject to the final order of the Hon'ble Supreme Court of India in matter of civil appeal no. 7191-7192/2015 as may be applicable to this project and decision of any competent authority to the extent applicable.

The General Manager, Northern Zone, IRWO, Chandigarh has filed the present application and copy of MoA has also been submitted.

The case was considered by the SEIAA in its 120th meeting held on 16.03.2017, which was attended by the following on behalf of the project proponent:

- (i) Sh. Bhupender Singh, General Manager, IRWO, Chandigarh.
- (ii) Sh. Gurdeep Singh, Project Engineer, IRWO/, IRWO, Chandigarh.
- (iii) Sh. Saurabh Gola, Manager, GRC India (P) Ltd. Environmental Consultant of the promoter Company.

The SEIAA observed that the project proponent has already carried out construction at site without obtaining environmental clearance as required under EIA notification dated 14.09.2006. Thus, it is a case of violation of the provisions of EIA notification dated 14.09.2006.

The SEIAA further observed that Ministry of Environment, Forest and Climate change, New Delhi vide Notification No. S.O. 804(E) dated 14.03.2017 has

laid down the procedure to deal with the violation cases and has made the following amendments in the EIA Notification, 2006: -

- a) In case the projects or activities requiring prior environmental clearance under Environment Impact Assessment Notification, 2006 from the concerned Regulatory Authority are brought for environmental clearance after starting the construction work, or have undertaken expansion, modernization, and change in product- mix without prior environmental clearance, these projects shall be treated as cases of violations and in such cases, even Category B projects which are granted environmental clearance by the State Environment Impact Assessment Authority constituted under sub-section (3) Section 3 of the Environment (Protection) Act, 1986 shall be appraised for grant of environmental clearance only by the Expert Appraisal Committee and environmental clearance will be granted at the Central level.
- b) In cases of violation, action will be taken against the project proponent by the respective State or State Pollution Control Board under the provisions of section 19 of the Environment (Protection) Act, 1986 and further, no consent to operate or occupancy certificate will be issued till the project is granted the environmental clearance.
- c) The cases of violation will be appraised by respective sector Expert Appraisal Committees constituted under subsection (3) of Section 3 of the Environment (Protection) Act, 1986 with a view to assess that the project has been constructed at a site which under prevailing laws is permissible and expansion has been done which can be run sustainably under compliance of environmental norms with adequate environmental safeguards; and in case, where the finding of the Expert Appraisal Committee is negative, closure of the project will be recommended along with other actions under the law.
- d) In case, where the findings of the Expert Appraisal Committee on point at sub-para (4) above are affirmative, the projects under this category will be prescribed the appropriate Terms of Reference for undertaking Environment Impact Assessment and preparation of Environment Management Plan. Further, the Expert Appraisal Committee will prescribe a specific Terms of Reference for the project on assessment of ecological damage, remediation plan and natural and community resource augmentation plan and it shall be prepared as an independent chapter in the environment impact assessment report by the accredited consultants. The collection and analysis of data for assessment of ecological damage, preparation of remediation plan and natural and community resource augmentation plan shall be done by an environmental laboratory duly notified under Environment (Protection) Act, 1986, or a environmental laboratory accredited by National Accreditation Board for Testing and Calibration Laboratories, or a laboratory of a Council of Scientific and Industrial Research institution working in the field of environment.

- e) The Expert Appraisal Committee shall stipulate the implementation of Environmental Management Plan, comprising remediation plan and natural and community resource augmentation plan corresponding to the ecological damage assessed and economic benefit derived due to violation as a condition of environmental clearance.
- f) The project proponent will be required to submit a bank guarantee equivalent to the amount of remediation plan and Natural and Community Resource Augmentation Plan with the State Pollution Control Board and the quantification will be recommended by Expert Appraisal Committee and finalized by Regulatory Authority and the bank guarantee shall be deposited prior to the grant of environmental clearance and will be released after successful implementation of the remediation plan and Natural and Community Resource Augmentation Plan, and after the recommendation by regional office of the Ministry, Expert Appraisal Committee and approval of the Regulatory Authority.

The SEIAA observed that as per amendment at mentioned at (a) above, violation cases of even category "B" projects which are granted Environment Clearance by SEIAA are to appraised for grant of Environment Clearance only by the EAC and Environment Clearance is to be granted at Central level. As such, the present case also lies in the competency of the MoEF&CC, New Delhi. The present Environment Clearance application filed by the project proponent online with SEIAA Punjab is required to be transferred to MoEF&CC, New Delhi but there is no provision in the online web portal to transfer the Environment Clearance application by SEIAA, Punjab to MoEF&CC, New Delhi. The application has to be decided as otherwise it will keep reflecting in the pending Environment Clearance applications/ cases. The SEIAA observed that it has no other option except to reject the Environment Clearance application in order to clear it from the web portal.

After detailed deliberations, the SEIAA decided as under: -

- (i) Reject the application for Environment Clearance under EIA notification dated 14.09.2006 for establishment of the Group Housing Project namely " Rail Vihar" at VIP Road, Zirakpur, Punjab developed by M/s Indian Railways Welfare Organization as there is no provision on the web portal (www.environmentalclearance.nic.in) to transfer the same by SEIAA to MoEF&CC, New Delhi and there is no option left with SEIAA to decide/clear the pending application from web portal except rejecting it.

- (ii) Project proponent be informed to apply fresh application at the Central level as per the provisions of amended EIA Notification, 2006.
- (iii) The proceedings be also sent to the Punjab Pollution Control Board for taking necessary action as per the provisions of sub para (3) of the para 13 of the amended Notification dated 14.03.2017.

In compliance to decision taken at Sr. no (i) by SEIAA, the application of the project proponent was rejected vide letter no. 177 dated 21.03.2017 and in compliance to decision taken at Sr. no (ii) by SEIAA, the project proponent was requested vide letter no.178 dated 21.03.2017 to apply fresh application at Central level as per the provisions of amended EIA notification, 2006. Further, copy of the proceedings were sent to the Member Secretary, Punjab Pollution Control Board vide letter no. 179 dated 21.03.2017 for taking necessary action as per the provisions of sub para (3) of the para 13 of the amended Notification dated 14.03.2017 in compliance to the decision taken at Sr. no (iii).

The Environmental Engineer, Punjab Pollution Control Board, Regional Office, Mohali vide his office endst. No. 99 dated 05.01.2018 intimated that a complaint has been filed against the promoter company & its responsible persons u/s 15, 16 of Environment (Protection) Act, 1986 in the court of Sub Divisional Judicial Magistrate, Derabassi on 04.01.2018. The case has been fixed for hearing on 14.02.2018.

The case was considered by the SEIAA in its 125th meeting held on 12.01.2018 and observed that this is the case of violation of EIA notification, 2006 as amended on 14.03.2017. As per provisions of amendment dated 14.03.2017 in the EIA notification, 2006, the project proponent has already been requested vide SEIAA letter No. 178 dated 21.03.2017 to submit fresh application with MoEF&CC, New Delhi and the pending application with SEIAA, Punjab stands rejected vide SEIAA letter No. 170 dated 21.03.2017 as SEIAA has no jurisdiction over the violation cases.

After deliberations, the SEIAA decided that communication received from Punjab Pollution Control Board regarding filing of complaint against the project proponent and its responsible persons be forwarded to MoEF&CC, New Delhi for further necessary action in the matter.

In compliance to the aforesaid decisions, a copy of the Endst. No. 99 dated 05.01.2018 received from Punjab Pollution Control Board vide which it has

been intimated that a complaint has been filed against the promoter company & its responsible persons u/s 15, 16 of Environment (Protection) Act, 1986 in the court of Sub Divisional Judicial Magistrate, Derabassi on 04.01.2018 and the case has been fixed for hearing on 14.02.2018 vide letter no. 92 dated 29.01.2018 has been sent to the MoEF.

It is further added here that, MoEF&CC issued amended notification dated 08.03.2018 wherein the power to decide the violation cases of category 'B' project have been delegated to SEIAA & SEAC, which were earlier vested with MoEF&CC, New Delhi. The notification while laying down the procedure, the para (4) & (5) prescribes as under:-

- (4) The cases of violations will be appraised by the Expert Appraisal Committee at the Central level or State or Union territory level Expert Appraisal Committee constituted under sub-section (3) of section 3 of the Environment (Protection) Act, 1986 with a view to assess that the project has been constructed at a site which under prevailing laws is permissible and expansion has been done which can run sustainably under compliance of environmental norms with adequate environmental safeguards, and in case, where the findings of Expert Appraisal Committee for projects under category A or State or Union territory level Expert Appraisal Committee for projects under category B is negative, closure of the project will be recommended along with other actions under the law.
- (5) In case, where the findings of the Expert Appraisal Committee or State or Union territory level Expert Appraisal Committee on point at sub-paragraph (4) above are affirmative, the projects will be granted the appropriate Terms of Reference for undertaking Environment Impact Assessment and preparation of Environment Management Plan and the Expert Appraisal Committee or State or Union territory level Expert Appraisal Committee, will prescribe specific Terms of Reference for the project on assessment of ecological damage, remediation plan and natural and community resource augmentation plan and it shall be prepared as an independent chapter in the environment impact assessment report by the accredited consultants, and the collection and analysis of data for assessment of ecological damage, preparation of remediation plan and natural and community resource augmentation plan shall be done by an environmental

laboratory duly notified under the Environment(Protection) Act, 1986, or a environmental laboratory accredited by the National Accreditation Board for Testing and Calibration Laboratories, or a laboratory of the Council of Scientific and Industrial Research institution working in the field of environment.

It is further added here that MoEF & CC vide OM dated 16/03/2018 in compliance of the order dated 14th March, 2018 of Hon'ble High Court of Judicature at Madras in WMP Nos.3361 and 3362 of 2018 and WMP No.3721 of 2018 in WP No.11189 of 2017, has issued one of the direction among other direction for compliance with immediate effect that the project proponent, who have not submitted the proposals within six months window i.e. up to 13th September, 2017 in pursuance of this Ministry's Notification SO.804 (E) dated 14th March, 2017, are required to submit the proposals within 30 days (date of delivery of order of Hon'ble High Court, Madras in open court i.e 13/04/2018), to the EAC for category A projects or the SEAC/SEIAA in the respective States/UTs for category B projects.

The project proponent submitted afresh application (proposal no. SIA/PB/NCP /24636 /2018 on 12/04/2018) directly to the SEIAA for issuance of TORs in reference to MoEF Notification dated 08/03/2018. The project proponent has submitted the following documents: -

1.	Properly filled Form 1 and basic information	Yes
2.	Conceptual plan	Submitted
3.	Proof of ownership of land	Not submitted
4.	Copy of Memorandum of Article & Association /partnership deed /undertaking of sole proprietorship /list of Directors and names of other persons responsible for managing the day-to-day affairs of the project.	Not submitted
5.	Draft ToRs	Submitted
6.	List of accredited EIA consultant organization with accredited sector of NABET	Submitted
7	Damage assessment report, Remediation plan, natural & Community augmentation plan	Submitted

The case was considered by the SEAC in its 166th meeting held on 24.05.2018, which was attended by the following on behalf of the project proponent:

- (i) Sh. Bhupender Singh, General Manager, IRWO, Chandigarh.
- (ii) Sh. Gurdeep Singh, Project Engineer, IRWO/, IRWO, Chandigarh.

- (iii) Sh. Rajesh B., Sr. Manager, GRC India (P) Ltd. Environmental Consultant of the promoter Company.

Environmental Consultant of the promoter Company presented the salient features of the project as under:-

- The project consists of 399 No. of main dwelling units, 44 No. of EWS units and community centre.
- Following permissions have been obtained for the project,
 - Permission for Solid waste disposal from Municipal Council, Zirakpur
 - Fire NOC
 - Permission for water connection from Municipal Council, Zirakpur
 - Approved building plan.

PROJECT FEATURE	DETAILS
Type of Project	Group Housing Project
Total Plot Area	30, 201.68 m ² (7.46 acre)
Net Plot Area	29, 896.31 m ² (7.39 acre)
Built-Up Area	44, 709.75 m ²
Population	2, 515 persons
Fresh Water Requirement	245 KLD; Source: Municipal supply
Solid Waste	1, 189 kg/day
Electrical load	2, 409 KVA ; Source: Punjab State Power Corporation Ltd.
Power back-up	2 nos. of DG Sets (2 X 320 kVA)
No. of RWH pits	4
Parking Required:	372 ECS (As per State Bye laws)
Parking Proposed:	372 ECS
Project Cost	INR 195.75 Crore

Area Statement for the project is as under:-

S. No.	Particulars	Constructed Area (sqm)	To be constructed (sqm)	Total Area (in sqm)	Total Area (in Sq ft)
1.	Plot Area			30201.68	325088.28
2.	Area for Road Widening			305.33	3286.50
3.	Net planned area			29896.31	321801.28

4.	Permissible Ground Coverage (@ 35%)			10478.99	112794.94
5.	Provided Ground Coverage (@ 25.64%)			7665.53	82511.154
6.	Permissible FAR (@ 1.65)			59879.96	644542.56
7.	Total Provided FAR (@1.45)	44487.90		44487.90	478863.83
	FAR of Flat-IV	10205.11		10205.11	109846.98
	FAR of Flat-III	24615.64		24615.64	264960.64
	FAR of Flat-II	7194.50		7191.50	77408.69
	FAR of Flat-I(EWS)	2022.73		2022.73	21772.52
	FAR of Community centre	452.90		452.90	4875.00
8.	Open area for Parking			8261.72	88928.47
9.	Area Under Services (Non-FAR)			221.85	2388
10.	Built Up Area			44709.75	481, 251.83
11.	Proposed Green Area (@ 15.03% of Net plot area)			4495.31	48387.21
12.	Area Under Roads & Open spaces			17298.60	186200.65
13.	Height of the Building upto Terrace.			25.50 mtr.	
14.	Height of the Building upto Machine Room Top.			31.00 mtr.	

- The water supply will be provided through Bore well/ Municipal supply during the operation phase. The total domestic water requirement of project is approx. 340 KLD. Out of which total fresh water demand is approx.245 KLD and 95 KLD. The daily water requirement and waste water generation calculation is as under: -

S. No.	Description	Area/flats (in sqm)	Total occupancy	Rate of water demand (lpcd)	Total water requirement (KLD)
A.	Domestic Water				

1.	Residential Development				
	General	399	1995	150	299.25
	EWS	44	220	150	33
	Staff		100	45	4.5
2.	Visitors		200	15	3
Total Domestic water requirement					339.75 Say 340KLD
Fresh water requirement					245
Flushing water requirement					95
Waste water generated (80% of the total domestic water requirement)					272
STP capacity					300 KID
Treated water from STP (90% of the waste water generated)					245
B.	Horticulture and Landscape development (4495.31 m ²)				
	Summer (5.5 l/sqm)				25
	Winter (1.8 l/sqm)				9
	Monsoon (0.5 l/sqm)				2
C.	Treated water from STP				
	Total recycled and reuse water				
	Summer (95flushing + 25 landscaping)				
	Winter (95 flushing + 9 landscaping)				120
	Monsoon (95 flushing + 2 landscaping)				104
	Discharge to sewer				97
	Summer				
	Winter				125
	Monsoon				141
					148

- The project will generate approx. 272 KLD of waste water. The waste water will be treated in the STP based on MBBR Technology provided within the complex generating 245 KLD of treated water from STP. In summer season, the project proponent has proposed to utilize 95 KL/day of treated wastewater for flushing purpose, 25 KLD will be utilized for horticulture purposes & 125 KLD will be discharged into sewer. In winter season, 95 KL/day of treated wastewater for flushing purpose, 09 KLD will be utilized for horticulture purposes & 141 KLD will be discharged into sewer. In rainy season, 95 KL/day of treated wastewater for flushing purpose, 2 KLD will be utilized for

horticulture purposes & 148 KLD will be discharged into sewer, with BOD < 20 mg/L.

- The total quantity of solid waste generation will be 1189 kg/day. Solid waste will be collected separately as Biodegradable and Non-biodegradable waste as per the MSW Rules, 2000. The biodegradable wastes will be treated by organic waste convertors. Recyclable and non-Recyclable waste will be disposed through Govt. approved agency i.e. MC Zirakpur.

To a query regarding site suitability of the project, the project proponent stated that the project site falls under land use as per the master plan for Zirakpur 2025 and will be developed as per the same. The building plan has been approved.

The SEAC observed that in view of the above mentioned facts, the findings in the present case regarding suitability of site to be assessed as per the provisions of sub paragraph (4) of amended EIA notification dated 08.03.2018 are affirmative and decided to proceed further for finalization of TORs as per the provision of sub para 5 of said Notification.

To an another query regarding as to whether any construction activity has been carried out after filing of the case, the project proponent stated that project has already been completed.

The Project proponent informed that Punjab Pollution Control Board has already filed a criminal case against M.D., D.T., D.F., GM/HQ, GM and project engineer, Zirakpur i.e. entire management of IRWO, in the court of Dera Bassi due to prior Environmental clearance has not been obtained for the project.

Further, the project proponent informed vide its letter dated 24.05.2018 that baseline monitoring of the project has already been conducted for pre monsoon season (October 2017 to December 2017). Further, additional study for one month (January-2018) has also been completed on the basis of coverage factor analysis and requested to allow them to utilize the said baseline environment study for their project.

After detailed deliberations, SEAC decided to recommend to SEIAA as under:

- 1) Punjab Pollution Control Board may be requested to send the latest status report of the credible action taken against the project proponents.

- 2) Baseline monitoring (October 2017 to December 2017) & additional study for one month (January-2018) of the project carried out by the project proponent may be accepted.
- 3) To issue the following additional specific TOR in line with the notification dated 14.03.2017 as amended on 08.03.2018:

Additional specific TOR: -

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

- 4) The project proponent will submit the following documents alongwith EIA report:-
 - i) Proof of ownership of land
 - ii) 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.

Item No.166.12: Application of issuance of TORs for obtaining environmental clearance for expansion of an existing Sugar Mill Plant of capacity 5000 TCD along with Co-generation power plant of capacity 59.5 MW at Village Chak Allabaksh and Mahiuldinpur, Tehsil Mukerian, District Hoshiarpur, Punjab by M/s Indian Sucrose Limited, GT Road, Tehsil Mukerian, Distt. Hoshiarpur (Online proposal No. SIA/PB/IND2 /22643/2018)

The SEAC observed that:-

Earlier, M/s Indian Sucrose Limited had applied for issuance of TOR under EIA notification dated 14.09.2006 for increase in cane sugar crushing

capacity from 5000 TCD to 7500 TCD & simultaneously enhancing thermal power cogeneration from 15 MW to 40 MW in the revenue estate of H. B. No. 234, 236 Villages Chak Allabaksh and Mohiuddinpur Dalel, NH 1A, Tehsil Mukerian Distt. Hoshiarpur. The project is covered under category 5 (j) of the Schedule appended to the notification.

- The total area of the project is 53.03 acre.
- The industry has submitted letter no. 1083 dated 30.09.2016 from DTP, Hoshiarpur wherein it has been mentioned that according to the master plan (2010-2031), the industry namely M/s Indian Sucrose Ltd. falls in industrial zone.
- The industry has also submitted a letter no. 922 dated 13.08.2005 addressed to the cane commissioner, Punjab. Wherein, the installed capacity of cane processing has been mentioned as 6000 TPD.
- The major unit operations to be carried out in an industry are extraction of juice, clarification, evaporation, crystallization and centrifugation.
- Presently, the co-generation capacity is 15MW and the proposal is to add 25 MW in the existing thereby totaling it to 40 MW.
- The names of the directors in the promoter company are Mr. Geoffery Frederick Francis, Mr. Kunal Yadav, Mr. Sheoraj Singh Ahlawat, Mr Parkash Chandra Gupta, Mr. Kunj Deep Kalra & Mr. Sanjay Singh. The list of key persons involved in managing the day to day proposed expansion work are Mr. Ved Parkash Gupta, Mr. Balwant Singh Grewal, Mr. Sanjay Singh, Mr. Vijay Kishore Singh, Mr. Ravinder Sharma, Mr. Gaurav Aggarwa, Mr. Sunil Gakhar, Mr. Raman Kumar, Mr. Parmod Kumar Singh, Mr. Harish Chander, Mr. Deepak Yadav & Mr. Pawan Kumar Sharma.
- The total cost of the project is Rs. 189 crores.
- The existing water requirement is 2000 KLD & the proposed water requirement is 3000 KLD. Thereby, total comes out to be 5000 KLD which will be met through own bore well.
- The existing capacity of ETP is adequate to treat 3000 KLD of effluent. Solid waste in the form of combustion ash from boiler furnace is 36 TPD. No fossil fuel is used in the boiler furnace and only bagasse @1800 ton per day is being

used.

- Total power requirement for Sugar mill will be 9000kw during season and 200kw during off season and for Cogeneration plant 3800kw during season and 3958kw during off season. The power will be supplied from own cogeneration plan.
- The project proponent has submitted the proposed Terms of Reference (TORs).

Environmental Engineer, PPCB, RO, Hoshiarpur was requested vide email dated 17.02.2017 to send the latest construction status of the project site, existing production capacity & if any enhancement is done by the industry at the site. The report from Regional Office, Hoshiarpur was received.

The case was considered by SEAC in its 155th meeting held on 23.02.2017, which was attended by Sh. Rajnish Dhir, Deputy General Manager of the promoter company. Sh. Rajnish Dhir submitted an authority letter dated 25.10.2016 wherein he has been authorized by Sh. Rishav Jaiswal, Company Secretary to attend the meeting on of SEAC& SEIAA for obtaining environmental clearance for the above project on behalf of company. He intimated that due to non-availability of EIA consultant, they are unable to present the case & requested for deferment of the case. The request letter of deferment along with authority letter was taken on record by SEAC.

After deliberations, the SEAC decided to defer the case and asked the project proponent to present their case in the next meeting of SEAC as & when held.

The decision of the SEAC was conveyed to the project proponent vide letter no.140 dated 14.03.2017.

The case was considered by SEAC in its 156th meeting held on 06.04.2017, which was attended by the following: -

- (i) Sh. Ved Prakash Gupta, Vice President of the Industry
- (ii) Rajnish Dhir, Deputy General Manager of the Industry

On perusal of the status report received from Environmental Engineer, PPCB, RO, Hoshiarpur, the SEAC observed that the industry is a large scale existing unit and is engaged in manufacturing of sugar by processing sugar cane. Earlier, the consent to operate was granted under Water (Prevention & Control of Pollution) Act, 1974 and under Air (Prevention & Control of Pollution) Act, 1981 for manufacturing of the Sugar @500 TPD using Sugar cane @5000 TPD and other raw materials with

validity upto 31.03.2016. The daily production capacity of sugar at which the above consents were granted was 500 TPD. Thereafter, the industry applied for renewal of both the consents through OCMMS for manufacturing of Sugar @650 TPD by using Cane Sugar @6500 TPD. Accordingly, the industry was visited by the officers of the Board on 29.03.2016 and it was observed that industry has done modification/addition in its existing plant and machinery in order to enhance the production capacity of Sugar from 500 TPD to 650 TPD. The industry has increased its production capacity during the session 2015-16 without obtaining prior EC. The representative of the industry informed during visit that industry is having sanction certificate dated 12.02.2008 for crushing sugar cane @7500 TPD from Ministry of Commerce and Industry, Govt. of India.

The industry was given personal hearing before the Chairman of Punjab Pollution Control Board on 23.08.2016 wherein, among the other decisions it was decided that industry shall apply for EC within 15 days and will not produce Sugar more than 500 TPD till the EC is obtained.

Thereafter, the industry was granted revised consent to operate under the Water (Prevention & Control of Pollution) Act, 1974 valid upto 31.03.2020 and under Air (Prevention & Control of Pollution) Act, 1981 valid upto 31.03.2017 for manufacturing Sugar @500 TPD by crushing sugar cane @5000 TPD and other raw materials with special condition i.e. the industry will not increase its installed crushing capacity beyond 5000 TCD without obtaining Environmental Clearance from MoEF.

The site was again visited by AEE of this office on 20.02.2017 and observed that:

- 1) Sh. Ved Parkash Gupta, vice president contact at site. The sugar mill was in operation.
- 2) The ETP installed by the industry was in operation and the treated effluent was being discharged onto land for plantation. The online meters were in operation and reading was observed COD = 90.6, BOD 6.34, TSS = 120, pH = 7.10. The EMF reading at outlet of ETP was observed 654855.4 m³, flow rate 40.9 m³/hr.
- 3) The STP has installed for domestic effluent was also in operation. The treated effluent was being discharged onto land for plantation.
- 4) The industry has installed wet scrubber as APCD with bagasse fired boilers and same were in operation during visit.

- 5) The representative of the industry informed that no new construction has been carried out for the expansion unit at site.
- 6) The representative informed 40 Megawatt turbine will be installed near the store room. The boiler of capacity 200 Ton will be installed near the bagasse storage area.
- 7) The representative informed that the effluent generated from the expansion unit will be treated in the existing ETP of capacity 3000 KLD.
- 8) The representative of the industry Sh. Ved Parkash Gupta informed that the machinery is already installed in the existing building has already been upgraded/ modified for crushing capacity 7500 TPD since 2015.
- 9) The record of cane crushed is being given by the industry to the Cane Commissioner and Excise Department on regular basis.

The SEAC observed that as per the status report sent by PPCB, RO, Hoshiarpur, the project proponent has already carried out expansion prior to Environmental clearance. To this observation, the project proponent replied that the expansion has not been carried out since 2005 and the plant was already having capacity to produce sugar@ 600TPD from sugar cane @ 6000TPD in the year 2005. No additions in plant and machinery to increase production have been carried out thereafter. He sought time to submit documents to prove his contention.

After deliberations, the SEAC decided to defer the case till the project proponent submits the documents, if any, to prove his contention so that further action in the matter can be taken. The SEAC further decided that RO, PPCB, Hoshiarpur who had sent the status report be also asked to attend the next meeting of SEAC.

Accordingly, the decision of the SEAC was conveyed to the project proponent as well as EE, PPCB RO, Hoshiarpur vide letter number 277 dated 19.04.2017 and vide letter number 278 dated 19.04.2017 respectively.

Thereafter, the project proponent submitted online request with SEIAA for withdrawal of its earlier application (Proposal No. SIA/PB/IND2/17726/2016) for grant of environmental clearance for cane crushing capacity of 7500 TCD and submitted a new application for issuance of TOR under EIA notification dated 14.09.2006 for increase in cane crushing capacity from 7500 TCD to 1200 TCD & simultaneously enhancing thermal power cogeneration from 15 MW to 40 MW in the revenue estate of H. B. No. 234, 236 Villages Chak Allabaksh and Mohiuddinpur Dalel,

NH 1A, Tehsil Mukerian Distt. Hoshiarpur with Proposal No. SIA/PB/IND-2/19223/2017. In new application, the capacity of sugar cane crushing was increased from 7500 TCD to 1200 TCD.

The case was considered by SEAC in its 159th meeting held on 01.05.2017, which was attended by the officer of PPCB, RO, Hoshiarpur and Vice President alongwith Deputy General Manger of the promoter company:

- (i) Sh. A.R. Kakkar, Environmental Engineer, PPCB, RO, Hoshiarpur
- (ii) Sh. Ved Prakash Gupta, Vice President of the Industry
- (iii) Sh. Rajnish Dhir, Deputy General Manager of the Industry

The project proponent sought some more time to prove his contention that no expansion has been carried out after 14.09.2006. After deliberation, the SEAC decided that to defer the case.

Thereafter, upon the expiry of term of previous SEIAA/SEAC on 05.05.2017, the case of issuance of TOR to M/s Indian Sucrose Ltd. Village Chak Allah Baksh, G.T Road, Mukenian, Distt. Hoshiarpur was transferred by SEIAA, Punjab vide letter no 840 dated 05/05/2017 to MoEF&CC as a pending case since it was not concluded by SEIAA/SEAC as to whether it is case of violation of the provisions EIA notification, 2006 or not.

The Promoter Industry was requested vide letter no. 850 dated 05.05.2017 to approach Ministry of Environment, Forest and Climate Change, New Delhi for further action on their pending TORs application. The status of the old proposal applied by the project proponent on the web portal of SEIAA is as under: -

Proposal No	File No	Proposal Name	Date of Submission for TOR	Online current status
SIA/PB/IND-2/19223/2017	SEIAA/PB/IND2 /TOR/2017/1	Indian Sucrose Ltd.	24 Apr 2017	Deferred by SEAC
SIA/PB/IND2 /17726/2016	SEIAA/PB/Ind-Project/TOR/2016/6	Indian Sucrose Ltd.	30 Jan 2017	Request for withdraw with SEIAA

The promoter approached MoEF&CC, New Delhi for obtaining TORs under EIA notification, 2006 to MoEF&CC and Terms of Reference were issued by the MoEF&CC, New Delhi vide No. IA-J-11011/342/2017-IA-II (I) dated 14.08.2017.

In the meantime, PPCB, Zonal Office, Jalandhar vide its letter No. 6928 dated 09.08.2017 informed the Head Office of Punjab Pollution Control Board that it

is a case of violation of provisions of EIA notification, 2006 as the industry has crushed upto 7000 TCD sugar cane during last season.

Board on the report of Zonal office of Punjab Pollution Control Board in Jalandhar, the Board vide letter no. 36745 dated 08.09.2017 requested MoEF&CC, New Delhi that pending application of the project proponent be dealt as per provisions of EIA Notification dated 14.03.2017.

Simultaneously, PPCB, Zonal Office, Jalandhar was requested by Head Office of Punjab Pollution Control Board vide letter No. 36747 dated 08.09.2017 to initiate action against the project proponent as per provisions of Para 13 (3) of Notification dated 14.03.2017 issued by MoEF&CC defining procedure to be followed while dealing violation cases.

M/s Indian Sucrose Ltd. submitted an application for conducting public hearing to Punjab Pollution Control Board for expansion of the existing capacity of sugar mill from 5, 000 TCD to 12, 000 TCD alongwith cogeneration power plant from 19.5 MW to 59.5 MW in the existing premises located in the revenue estate of Village Chak Allabaksh & Mahiuldinpur Dalel, Tehsil Mukerian, District Hoshiarpur.

The Punjab Pollution Control Board vide its letter no. EE(Mega)/2018/4780 dated 15.02.2018 has requested MoEF&CC, New Delhi to revoke the TOR issued to the industry, so that the final decision on the application of the company for conducting the public hearing may be taken by the Board.

The promoter industry made a request to SEIAA as under:-

“ With reference to the above mentioned subject, this is to inform you that M/s. Indian Sucrose Limited is proposing for expansion to an existing Stigar mill Plant of capacity 5000 TCD alongwith Co-generation Power Plant of capacity 19. 5 MW to 12000 TCD along with Co-generation Power Plant of capacity 59. 5 MW at Village Chak Allabaksh and Mahiuldinpur Dalel, Tehsil-Mukerian, District-Hoshiarpur, Punjab.

The Industry was established in 1990 with capacity 2500 TCD along with 7. 5 MW cogeneration power plants. Further the capacity of the plant was increased to 5000 TCD along with 19. 5 MW cogeneration power plant in 2005.

The Industry has increased the capacity from 5000 TCD to 6500 TCD during the session 2015-2016 without obtaining prior Environment Clearance.

At that time we have applied for Environment Clearance to the SEIAA, Punjab on dated 25.10.2016 and our case was considered in the SEAC 155th meeting

held on 23.02.2017 and 156th SEAC Meeting held on 06.04.2017. The SEIAA, Punjab was dissolved as the Term of Reference (ToR) was expired.

After that, we applied the project to MoEF&CC Portal on dated 27.06.2017 (Acknowledgement enclosed) due to absence of SEIAA, Punjab and Standard ToR was granted by MoEF&CC on dated 14.08.2017. According to ToR condition, we have submitted the Draft EIA report to Punjab Pollution Control Board (PPCB) on dated 15.01.2018 and also date for Public Hearing was fixed on 06.03.2018.

After submission of Draft EIA Report and fixing of public hearing date, the PPCB intimate us that the project comes under violation and they cancelled the Public Hearing. The PPCB also informed MoEF&CC about the project vide letter No. EE(Mega)/2018/4780 dated 15.02.2018 (letter enclosed). The PPCB has filed the case under EP Act and case is pending before the Hon'ble Court of CJM, Hoshiarpur filed on dated 06.12.2017 and next date of hearing is 06.04.2018.

The project comes under Violation as per 14.03.2017 Notification and amended Violation Notification dated 08.03.2018 and the project comes under Category B, Activity 5 (j) of EIA Notification, 2006. Accordingly, we are herewith submitting you the Application (Form I/PFR) or the approval of TOR for our above mentioned expansion project.

We hereby request you to kindly re-open our case for grant of environmental clearance.”

The matter was considered by SEIAA in its 129th meeting held on 23.03.2018, however, no one attended the meeting on behalf of project proponent.

After detailed deliberations, the SEIAA decided that:-

- I. The request of the project proponent be referred to SEAC for recommendations.
- II. The project proponent be informed to apply afresh for obtaining TOR in compliance of the EIA notifications dated 14.03.2017 as amended on 08.03.2018 read with the Office Memorandums dated 15.03.2018 and 16.03.2018 issued by MoEF&CC.

Accordingly, the project proponent was requested vide letter No. 455 dated 09.04.2018 to apply afresh for obtaining TOR in compliance of the EIA notifications dated 14.03.2017 as amended on 08.03.2018 read with the Office Memorandums dated 15.03.2018 and 16.03.2018 issued by MoEF&CC.

It is further added here that, MoEF&CC issued amended notification dated 08.03.2018 wherein the power to decide the violation cases of category 'B'

project have been delegated to SEIAA & SEAC, which were earlier vested with MoEF&CC, New Delhi. The notification while laying down the procedure, the para (4) & (5) prescribes as under:-

- (4) The cases of violations will be appraised by the Expert Appraisal Committee at the Central level or State or Union territory level Expert Appraisal Committee constituted under sub-section (3) of section 3 of the Environment (Protection) Act, 1986 with a view to assess that the project has been constructed at a site which under prevailing laws is permissible and expansion has been done which can run sustainably under compliance of environmental norms with adequate environmental safeguards, and in case, where the findings of Expert Appraisal Committee for projects under category A or State or Union territory level Expert Appraisal Committee for projects under category B is negative, closure of the project will be recommended along with other actions under the law.
- (5) In case, where the findings of the Expert Appraisal Committee or State or Union territory level Expert Appraisal Committee on point at sub-paragraph (4) above are affirmative, the projects will be granted the appropriate Terms of Reference for undertaking Environment Impact Assessment and preparation of Environment Management Plan and the Expert Appraisal Committee or State or Union territory level Expert Appraisal Committee, will prescribe specific Terms of Reference for the project on assessment of ecological damage, remediation plan and natural and community resource augmentation plan and it shall be prepared as an independent chapter in the environment impact assessment report by the accredited consultants, and the collection and analysis of data for assessment of ecological damage, preparation of remediation plan and natural and community resource augmentation plan shall be done by an environmental laboratory duly notified under the Environment(Protection) Act, 1986, or a environmental laboratory accredited by the National Accreditation Board for Testing and Calibration Laboratories, or a laboratory of the Council of Scientific and Industrial Research institution working in the field of environment.

It is further added here that MoEF & CC vide OM dated 16/03/2018 in compliance of the order dated 14th March, 2018 of Hon'ble High Court of Judicature at Madras in WMP Nos.3361 and 3362 of 2018 and WMP No.3721

of 2018 in WP No.11189 of 2017, has issued one of the direction among other direction for compliance with immediate effect that the project proponent, who have not submitted the proposals within six months window i.e. up to 13th September, 2017 in pursuance of this Ministry's Notification S.O.804 (E) dated 14th March, 2017, are required to submit the proposals within 30 days (date of delivery of order of Hon'ble High Court, Madras in open court i.e 13/04/2018), to the EAC for category A projects or the SEAC/SEIAA in the respective States/UTs for category B projects.

The project proponent applied online vide proposal no SIA/PB/IND2/22643/2018 for issuance of TORs for obtaining environmental clearance in compliance to the MoEF&CC amended notification dated 08.03.2018 for expansion of an existing Sugar Mill Plant of capacity 5000 TCD along with Co-generation power plant of capacity 59.5 MW at Village Chak Allabaksh and Mahiuldinpur, Tehsil Mukerian, District Hoshiarpur, Punjab. The details of the document submitted with the fresh application are as under: -

1.	Properly filled Form 1 and basic information	Yes
2.	Pre-feasibility Report	Submitted
3.	Proof of ownership of land	submitted
4.	Copy of Memorandum of Article & Association /partnership deed /undertaking of sole proprietorship /list of Directors and names of other persons responsible for managing the day-to-day affairs of the project.	Not submitted
5.	Draft ToRs	Submitted
6.	List of accredited EIA consultant organization with accredited sector of NABET	Submitted

The case was considered by the SEAC in its 166th meeting held on 24.05.2018, which was attended by the following on behalf of the project proponent:

- (i) Sh. Ram Chand, Sr. Sec. Officer on behalf of the project proponent.
- (ii) Sh. Kunnain Sidqui, Sr. Manager, Vardan Environet Gurgaon as environmental consultant

Environmental Consultant of the promoter Company presented the salient features of the project as under:-

- M/s Indian Sucrose Limited is located at Village- Chak Allabaksh and Mahiuldinpur Dalel, Tehsil-Mukerian, Distt. -Hoshiarpur, Punjab.

- The Industry was established in 1990 and came in operational phase in 1991 with capacity 2500 TCD with Power plant of capacity 7.5 MW.
- M/s Indian Sucrose Limited is proposing for capacity expansion from 5000 TCD Sugar mill along with 19.5 MW Cogeneration Power Plant to 12, 000 TCD Unit along with 59.5MW Cogeneration Power Plant.
- The total land available is 21.46 Ha. No additional land is required for proposed expansion project. The complete land is under acquisition.
- As per EIA Notification dated 14th Sept., 2006 and amended from time to time, the proposed project falls under Category "B", Project or Activity 5(j) Sugar Industry.

S. No	Date	Project Status	Remark
1	1990	Industry set up with the capacity of 2500 TCD along with 7.5 MW co-generation power plant.	EC was not required
2	2005	Capacity was increased from 2500 TCD to 5000 TCD along with 19.5 MW cogeneration power plant.	EC was not required
3	2015-2016	The capacity was enhanced from 5000 TCD to 6500 TCD with the approval of cane commissioner letter.	The production was stopped as per order by the chairman of PPCB vide letter No 6546 on dated 27.07.2016 and acc. to that new CTO of Air for the Year 2017-2018 was granted on dated 24.10.2017 and CTO of Water was issued on dated 07.10.2016 valid upto 31.03.2020.
4	25.10.2016	Case was applied to the SEAC, Punjab (For the expansion of 5000 TCD to 6500 TCD).	For the Grant of EC
5	23.02.2017 & 06.04.2017	Case was considered in the 155 th & 156 th SEAC meeting.	Case was deferred and SEAC, Punjab was Dissolved.
6	27.06.2017	Case was re- applied to the MoEF & CC due to absence of SEIAA, Punjab.	-

7	14.08.2017	Standard ToR was granted.	-
8	15.01.2018	Draft EIA was submitted to the Pollution Control Board, to conduct the Public Hearing. PH was fixed for 06.03.2018 but not conducted.	-
9	06.12.2017	Punjab Pollution Control Board has filed the case against M/s Indian Sucrose Ltd under the EP Act vide a Case No COMA/170/2017 to the District Court, Hoshiapur.	-
10	15.02.2018	Punjab Pollution Control Board wrote the letter to the MoEF & CC about the violation of the project.	-
11	26.03.2018	Case was re-applied in the SEIAA, Punjab for the capacity expansion 5000 TCD to 12, 000 TCD along with Cogeneration power plant from 19.5 MW to 59.5 MW under the violation window as per the 14.03.2017 Notification and amended Violation Notification dated 08.03.2018.	-

Particulars	Details
Capital cost of Project	Existing – 157 crore Proposed – 190 crore Total – 347 crore
EMP Cost	47.5 lacs (approx)
CSR Budget	20 lacs
Manpower	Existing - 325 Proposed - 25 Total - 350
Land use at the project site	Industrial Purpose

Particulars	Existing	Proposed	Total	Remarks
Land Requirement	21.46 ha	-	21.46 ha	The land is already existing
Water Requirement and its Source	468 KLD	364 KLD	832 KLD	Ground water will be used through tubewell and CGWA application has been applied vide

				application no 21-4/2682/PB/IND/2017 on dated 19-06-2017.
Electricity Requirement and its source	160 MW/day	224MW/day	384MW/day	Will be sourced from their own Cogeneration power plant
Steam Requirement	100TPH	75TPH	175TPH	From boilers
Manpower Requirements	325	25	350	Will be sourced from Local area
Raw material Sugarcane	5000 TCD	7000TCD	12, 000TCD	Raw material will be sourced from near by Market
Lime (MT/Day)	10	15	25	
Sulphur (MT/Day)	4	-		Sulphur will not be used in the proposed project

Fuel Requirement				
1.	Bagasse (in season)	1400 TPD	1960 TPD	From their own mill
2.	Rice Husk (Off-season)	630 TPD	880 TPD	From market
3.	Paddy Straw (Off-season)	398 TPD	560 TPD	From market
4.	Wood Chips(Off-season)	200 TPD	280 TPD	From market
5.	Maize Cobs(Off-season)	107 TPD	150 TPD	From market

➤ Detail of water requirement and waste water generation is as under: -

Use	Water Consumption KLD	Waste water Generation KLD
Domestic Water requirement	96 KLD	96 KLD
Boiler	604 KLD	84 KLD
Mill bearing and Pump glands cooling	80 KLD	80 KLD
Underground reservoir /Makeup water for turbine cooling	52 KLD	52 KLD
Surplus water from Cane	-	2088 KLD
	Total - 832 KLD	2304 KLD

➤ The power requirement is as under:

Sr. No.	Particulars	Details @ 0.032 MW/T	Source
1	Power Requirement for existing 5000 TCD sugar mill	160 MW /day during season	Source: From their own

2	Power Requirement for proposed expansion 7000 TCD sugar mill	224 MW/day during season	Cogeneration power plant
	Total (12, 000 TCD)	384 MW/day	
3	Cogeneration Power Production 19.5 MW/hour to 59.5MW/ hour		

- Existing manpower of the plant is 325 and an additional manpower requirement is 25, which will be sourced from local population. The total estimated manpower (direct employment) after the proposed expansion shall be 350 during the peak season. During the lean season, existing manpower is 190 and after expansion 20 more persons will be added. Total manpower required during lean season will be 210 after expansion.

Water Pollution Mitigation Measures:

- The proposed sugarcane based sugar mill would be based on "Zero Liquid Discharge" (ZLD).
- Liquid effluents will not be discharged outside the plant boundary. Most of the water will be recycled back.
- All the liquid effluents will be treated in Sewage treatment plant of capacity 30 KLD and Effluent treatment plant of capacity 3000 KLD.
- Treated water will be used in plantation area, floor washing and sprinkling etc.
- Online effluent quality monitoring system will be installed at the outlet of the unit for measurement of the parameters flow, pH, COD, BOD & TSS etc. and transmission of online data to Punjab Pollution Control Board and CPCB will be done.

Air Pollution Mitigation Measures:

- i) **Source of emission:** Boiler
- ii) **Air Emissions:** PM, Sox, NOx
- iii) **Mitigation Measures:**
 - a) Stack of appropriate height of 30 meters provided for all the three existing boilers of capacity 160 TPH each and proposed one boiler of capacity 200 TPH.
 - b) To reduce particulate matter concentration Electro Static Precipitator will be installed.
 - c) Green belt is already developed in 7.79 Ha area which will acts like adsorbent of air pollutants.

- d) To combat fugitive emissions roads are paved and regularly swept. Water sprinklers are provided for suppression of dust.
- e) Vehicular exhaust is being maintained by providing regular maintenance and servicing of vehicles. Same will be continued for future also.
- f) Online monitoring instruments has already been installed and working efficiently.

➤ Details of solid waste generation and it's disposal is as under:

Name of the Solid Waste	Quantity	Management
Boiler Ash	Existing: 25 TPD	Boiler ash will be given to the farmers
	Proposed: 35 TPD	
ETP Sludge	Existing: 2 TPD Proposed: 2.8 TPD	ETP Sludge will be given to the farmers
Bagasse	Existing: 1400 TPD Proposed: 1960 TPD	Bagasse will be used as fuel in the boiler
Molasses	Existing: 216 TPD Proposed: 302 TPD	Molasses will be Sold
Press mud	Existing: 195 TPD Proposed: 273 TPD	Press mud will be given to the farmers

➤ The standard TOR prescribed by the MoEF have been proposed.

Further, the project proponent informed that baseline monitoring of the project has already been conducted for pre monsoon season (October 2017 to December 2017). and requested to allow them to utilize the said baseline environment study for their project. Baseline monitoring (October 2017 to December 2017) & additional study for one month (January-2018) of the project carried out by the project proponent may be accepted.

The SEAC observed that besides TOR already been specified in such projects, following additional points are required to be taken care while preparing the EIA report:-

- i) Location of the existing bore wells as well as proposed bore well if any to be marked on layout plan.
- ii) Action plan for utilization of treated waste water as per the protocol issued by MoEF.

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

approved the following Terms of Reference alongwith additional specific TOR in line with the notification dated 14.03.2017 as amended on 08.03.2018 for Environmental Impact Assessment Study of the proposed project including above two observations as conditions of TOR and recommended to SEIAA to issue the following TORs :-

A. STANDARD TERMS OF REFERENCE

1) Executive Summary

2) Introduction

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

3) Project Description

- i) Cost of project and time of completion.
- ii) Products with capacities for the proposed project.
- iii) If expansion project, details of existing products with capacities and whether adequate land is available for expansion, reference of earlier EC if any.
- iv) List of raw materials required and their source along with mode of transportation.
- v) Other chemicals and materials required with quantities and storage capacities
- vi) Details of Emission, effluents, hazardous waste generation and their management.
- vii) Requirement of water, 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 (quantative) from raw material to products to be provided.
- ix) Hazard identification and details of proposed safety systems.
- x) Expansion/modernization proposals:
 - a. Copy of all the Environmental Clearance(s) including Amendments thereto obtained for the project from MOEF/SEIAA shall be attached as an Annexure. A certified copy of the latest Monitoring Report of the Regional Office of the Ministry of Environment and Forests as per circular dated 30th May, 2012 on the status of compliance of conditions stipulated in all the existing environmental clearances including Amendments shall be provided. In addition, 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

Location of the project site covering village, Taluka/Tehsil, District and State, Justification for selecting the site, whether other sites were considered.

- i) A topo sheet of the study area of radius of 10km 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)
- ii) Details w.r.t. option analysis for selection of site
- iii) Co-ordinates (lat-long) of all four corners of the site.
- iv) Google map-Earth downloaded of the project site.
- v) Layout maps indicating existing unit as well as proposed unit indicating storage area, plant area, greenbelt area, utilities etc. If located within an Industrial area/Estate/Complex, layout of Industrial Area indicating location of unit within the Industrial area/Estate.
- vi) Photographs of the proposed and existing (if applicable) plant site. If existing, show photographs of plantation/greenbelt, in particular.
- vii) Land use break-up of total land of the project site (identified and acquired), government/ private - agricultural, forest, wasteland, water bodies, settlements, etc. shall be included. (not required for industrial area)
- viii) A list of major industries with name and type within study area (10km radius) shall be incorporated. Land use details of the study area
- ix) Geological features and Geo-hydrological status of the study area shall be included.
- x) Details of Drainage of the project upto 5km radius of study area. If the site is within 1 km radius of any major river, peak and lean season river discharge as well as flood occurrence frequency based on peak rainfall data of the past 30 years. Details of Flood Level of the project site and maximum Flood Level of the river shall also be provided. (mega green field projects)
- xi) Status of acquisition of land. If acquisition is not complete, stage of the acquisition process and expected time of complete possession of the land.
- xii) R&R details in respect of land in line with state Government policy.

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

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

- ii) Land use map based on High resolution satellite imagery (GPS) 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-à-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
- vi) Government for conservation of Schedule I fauna, if any exists in the study area.
- vii) 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 PM10, PM2.5, SO2, NOX, CO and other parameters relevant to the project shall be collected. The monitoring stations shall be based CPCB guidelines and take into account the pre-dominant wind direction, population zone and sensitive receptors including reserved forests. Baseline monitoring (October 2017 to December 2017) & additional study for one month (January-2018) of the project carried out by the project proponent may be accepted.
- 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 of discharge point) 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, if yes give details.
- vi) Ground water monitoring at minimum at 8 locations shall be included.
- vii) Noise levels monitoring at 8 locations within the study area.
- viii) Soil Characteristic as per CPCB guidelines.

- ix) Traffic study of the area, type of vehicles, frequency of vehicles for transportation of materials, additional traffic due to proposed project, parking arrangement etc.
- 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 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 Modelling 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 assessed. Details of the model used and the input data used for modelling 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 - in case of discharge in water body
- 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 of wastewater from different plant operations, extent recycled and reused 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 E(P) 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 management. Copies of MOU regarding utilization of solid and hazardous waste in cement plant 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 ha. giving details of species, width of plantation, planting schedule post plantation and 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 plant site shall be submitted to harvest rainwater from the roof tops and storm water drains to recharge the ground water and also to use for the various activities at the project site to conserve fresh water and reduce the water requirement from other sources.
- xi) Total capital cost and recurring cost/annum for environmental pollution control measures shall be included.
- xii) Action plan for post-project environmental monitoring shall be submitted.
- xiii) Onsite and Offsite Disaster (natural and Man-made) Preparedness and Emergency Management Plan including Risk Assessment and damage control. Disaster management plan should be linked with District Disaster Management Plan.

8) Occupational health

- i) Plan and fund allocation to ensure the occupational health & safety of all contract and casual workers.
- 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) Details of existing Occupational & Safety Hazards. What are the exposure levels of hazards and whether they are within Permissible Exposure level (PEL). If these are not within PEL, what measures the company has adopted to keep them within PEL so that health of the workers can be preserved,
- iv) Annual report of health status of workers with special reference to Occupational Health and Safety.

9) Corporate Environment Policy

- i) Does the company have a well laid down Environment Policy approved by its Board of Directors? If so, it may be detailed in the EIA report.
- ii) Does the Environment Policy prescribe for standard operating process / procedures to bring into focus any infringement / deviation / violation of

- the environmental or forest norms / conditions? If so, it may be detailed in the EIA.
- iii) What is the hierarchical system or Administrative order of the company to deal with the environmental issues and for ensuring compliance with the environmental clearance conditions? Details of this system may be given.
 - iv) Does the company have system of reporting of non-compliances / violations of environmental norms to the Board of Directors of the company and / or shareholders or stakeholders at large? This reporting mechanism shall be detailed in the EIA report
- 10)** Details regarding infrastructure facilities such as sanitation, fuel, restroom etc. to be provided to the labour force during construction as well as to the casual workers including truck drivers during operation phase.
- 11) Enterprise Social Commitment (ESC)**
- i) Adequate funds (at least 2.5 % of the project cost) shall be earmarked towards the Enterprise
 - ii) Social Commitment based on Public Hearing issues and item-wise details along with time bound action plan shall be included. Socio-economic development activities need to be elaborated upon.
- 12)** Any litigation pending against the project and/or any direction/order passed by any Court of Law against the project, if so, details thereof shall also be included. Has the unit received any notice under the Section 5 of Environment (Protection) Act, 1986 or relevant Sections of Air and Water Acts? If so, details thereof and compliance/ATR to the notice(s) and present status of the case.
- 13)** 'A tabular chart with index for point wise compliance of above TOR.

B. SPECIFIC TERMS OF REFERENCE FOR EIA STUDIES FOR SUGAR INDUSTRY

- 1) Complete process flow diagram describing each unit, its processes and operations in production of sugar, along with material and energy inputs and outputs (material and energy balance).
- 2) Details on water balance including quantity of effluent generated, recycled & reused. Efforts to minimize effluent is charge and to maintain quality of receiving water body.
- 3) Details of effluent treatment plant, inlet and treated water quality with specific efficiency of each treatment unit in reduction in respect to fall concerned / regulated environmental parameters.
- 4) Number of working days of the sugar production unit.
- 5) Details of the use of steam from the boiler.

- 6) Details of proposed source-specific pollution control schemes and equipment to meet the national standards.
- 7) Collection, storage, handling and transportation of molasses,
- 8) Collection, storage and handling of bagasse and press mud.
- 9) Fly ash management plan for coal based and bagasse and action plan
- 10) Details on water quality parameters such as Temperature, Colour, pH, BOD, COD, Total Kjeldhal Nitrogen, Phosphates, Oil & Grease, Total Suspended Solids, Total Coli form bacteria etc.
- 11) Details on existing ambient air quality and expected, stack and fugitive emissions for PM10, PM2.5, SO₂*, NO_x*, etc., and evaluation of the adequacy of the proposed pollution control devices to meet standards for point sources and to meet AAQ standards. (*-As applicable)
- 12) Location of the existing Bore wells as well as proposed bore well if any to be marked on layout plan.
- 13) Action plan for utilization of treated waste water as per the protocol issued by MoEF.

Additional specific TOR: -

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

Item No.166.13: Application for amendment in the environmental clearance granted under EIA notification dated 14.09.2006 to General Manager-cum-Mining Officer, Jalandhar for mining of minor minerals in the revenue estate of Village Dhagara (Gag Dhagara), Tehsil Phillaur, District Jalandhar transferred in the name of Sh. Salwinder Singh S/o Sh. Ajaib Singh, Village Ghudu Walla PO Makhu, Tehsil Zira, Distt. Ferozepur (Proposal No. SIA/PB /MIN/25963/2012)

The SEAC observed that:

The General Manager-Cum-Mining Officer, Jalandhar, was granted environmental clearance under EIA notification dated 14.09.2006 vide no. 2822 dated 06.07.2012 for mining of 2, 58, 120 Ton/annum of minor minerals in an area of 28.68 hectares from the bed of river Sutlej in the revenue estate of Village Dhagara, (Gag Dhagara) Tehsil Phillaur, District Jalandhar, subject to certain conditions including the following condition:

"The Mining Officer may apply for transfer of environmental clearance under EIA notification dated 14.09.2006 to the contractor/lessor finalized by the Department of Industries & Commerce to SEIAA, Punjab. However, no activity shall be undertaken by the lessor/contractor till the environmental clearance is transferred in his name and he is lawfully bound to comply with the conditions of the environmental clearance".

Earlier, the said environmental clearance was transferred vide letter no SEIAA/M.S/2013/493 dated 07/02/2013 in the name of Sh. Barinder Singh Dhillon S/o Sh. Ranjit Singh, House No. 1442, Sector-34-C, Chandigarh with same 'Terms & Conditions' for a period of two years w.e.f. date of its transfer on the request of General Manager- Cum-Mining Officer, Jalandhar.

The General Manager- Cum-Mining Officer, Jalandhar vide letter no. 4825 dated 11.12.2015 had informed that contract for mining of 2, 58, 120 Ton/annum of minor minerals in an area of 28.68 hectares from the bed of river Sutlej in the revenue estate of Village Dhagara, Tehsil Phillaur, District Jalandhar awarded to Sh. Barinder Singh Dhillon S/o Sh. Ranjit Singh, House No. 1442, Sector-34-C, Chandigarh, has already been expired on 28.02.2015. Therefore, the said quarry has been re-auctioned by the State Govt. through on line E-auction dated 30.11.2015 and Lottery system and allotted to Sh. Salwinder Singh S/o Sh. Ajaib Singh, Village Ghudu Walla PO Makhu, Tehsil Zira, Distt. Ferozepur. The General Manager- Cum-Mining Officer, Jalandhar has requested to re-transfer the said environmental clearance in the name of Sh. Salwinder Singh S/o Sh. Ajaib Singh, Village Ghudu Walla PO Makhu, Tehsil Zira, Distt. Ferozepur with same 'Terms & Conditions' for the remaining period of the Environmental Clearance. The General Manager-cum-Mining Officer, Jalandhar has also informed that their department has no objection for transfer of the said

environmental clearance in the name of the above named person. The GMDIC, Jalandhar has submitted the following documents alongwith the request:

- (i) Copy of letter no. G.L.G/G-1/1085/2015/10042-B dated 8.12.2015 issued by Director Mining, Industries & Commerce, Punjab to GMDIC Jalandhar, wherein, it has mentioned that the bid of Sh. Salwinder Singh S/o Sh. Ajaib Singh R/o Vill Gudhuwala PO Makhu, Tehsil Zira, Distt. Ferozepur has been approved with certain conditions.
- (ii) Copy of letter no. 4936 dated 14.12.2015 issued by General Manager - cum - Mining officer, Distt. Industrial Centre, Jalandhar where in it has been mentioned that validity of the contract is on the basis of the validity of the environmental clearance.
- (iii) Self declaration by Sh. Salwinder Singh S/o Sh. Ajaib Singh R/o Vill Gudhuwala PO Makhu, Tehsil Zira, Distt. Ferozepur to the effect that he is successful bidder of e-auction as an individual for a quarry of Vill. Gagg Dhagara, Tehsil: Nurmahal, distt. Jalandhar, Punjab in 20.22 hectare and he will comply with the conditions of environmental clearance.

The case was considered by the SEIAA in its 100th meeting held on 28.12.2015, which was attended by the following:

- i. Sh. Amarjit Singh, GMDIC, Jalandhar.
- ii. Sh. Salwinder Singh S/o Sh. Ajaib Singh R/o Vill Gudhuwala PO Makhu, Tehsil Zira, Distt. Ferozepur.

During the meeting, the GMDIC, Jalandhar submitted a copy of the self-certified compliance status of the conditions of environmental clearance, which was taken on record by SEIAA.

The GMDIC-cum-Mining Officer, Jalandhar submitted a copy of Endst. no. 4818 dated 09.12.2015 vide which letter No. 10042-B dated 08.12.2015 of Director Mining, Punjab has been endorsed to M/s KBM Contractors, wherein, it has mentioned that the quarry has been allotted to M/s KBM Contractors. He also submitted the copy of partnership deed of the firm M/s KBM Contractors, which was taken on record by the SEIAA.

The SEIAA observed that as per EIA notification dated 14.09.2006, the environmental clearance granted for a specific project or activity to an applicant can be transferred during its validity to another legal person entitled to undertake the project or activity on application by the transferor, or by the transferee with a written "no objection" by the transferor, to, and by the regulatory authority concerned, on the same terms and conditions under which the prior environmental clearance was initially

granted, and for the same validity period. No reference to the State Level Expert Appraisal Committee concerned is necessary in such cases.

In compliance to said provision of the EIA notification dated 14.09.2006, the SEIAA decided to transfer the environmental clearance granted to the General Manager- Cum-Mining Officer, Jalandhar vide no. 2822 dated 06.07.2012 for mining of 2, 58, 120 Ton/annum of minor minerals in an area of 28.68 hectares from the bed of river Sutlej in the revenue estate of Village Dhagara, Tehsil Phillaur, District Jalandhar, in the name of contractor Sh. Salwinder Singh S/o Sh. Ajaib Singh R/o Vill Gudhuwala PO Makhu, Tehsil Zira, Distt. Ferozepur for the remaining period of environmental clearance i.e. upto 05.07.2017, subject to the same conditions as mentioned in the environmental clearance issued vide letter no. 2822 dated 06.07.2012.

Accordingly, the said environmental clearance was transferred vide letter no SEIAA/M.S/2016/86 dated 04/01/2016 in the name of contractor Sh. Salwinder Singh S/o Sh. Ajaib Singh R/o Vill Gudhuwala PO Makhu, Tehsil Zira, Distt. Ferozepur for the remaining period of environmental clearance i.e. upto 05.07.2017, subject to the same conditions as mentioned in the environmental clearance issued vide letter no. 2822 dated 06.07.2012.

Thereafter, the General Manager- Cum-Mining Officer, Jalandhar vide memo no. 444 dated 13.02.2017 has informed that environmental clearance was granted under EIA notification dated 14.09.2006 vide no. 2822 dated 06.07.2012 for mining of 2, 58, 120 Ton/annum of minor minerals in an area of 28.68 hectares from the bed of river Sutlej in the revenue estate of Village Dhagara, Tehsil Phillaur, District Jalandhar, subject to certain conditions which is valid for a period of 5 years i.e. upto 05.07.2017. The aforesaid environmental clearance was transferred vide letter no SEIAA/M.S/2016/86 dated 04/01/2016 in the name of contractor Sh. Salwinder Singh S/o Sh. Ajaib Singh R/o Vill Gudhuwala PO Makhu, Tehsil Zira, Distt. Ferozepur for the remaining period of environmental clearance i.e. upto 05.07.2017, subject to the same conditions as mentioned in the environmental clearance issued vide letter no. 2822 dated 06.07.2012.

Further, GMDIC submitted that as per the condition no. (i) of the office memorandum F.No. 22-27/2015-IA-III, GOI, Ministry of Environment, Forest and

Climate Change (IA Division) dated 12.04.2016, the Environment Clearance of the project which had not completed five (5) years on the date of publication of Notification i.e. 29.04.2015, there validity will stand automatically extended to seven (7) years. He also requested to amend the EC validity till 05.07.2019 and transfer the same in the name of Sh. Salwinder Singh S/o Sh. Ajaib Singh R/o Village Ghudu Walia PO Makhu, Tehsil Zira, Distt. Ferozepur, Mohali, Punjab, India. The GMDIC, Jalandhar has submitted the following documents along with the request:

- i. Copy of environment clearance granted under EIA notification dated 14.09.2006 vide no. 2822 dated 06.07.2012 to the GMDIC, Jalandhar.
- ii. Copy of environmental clearance transferred vide letter no SEIAA/M.S/2016/86 dated 04/01/2016 in the name of contractor Sh. Salwinder Singh S/o Sh. Ajaib Singh R/o Vill Gudhuwala PO Makhu, Tehsil Zira, Distt. Ferozepur for the remaining period of environmental clearance i.e. upto 05.07.2017.
- iii. Copy of letter no. 276 dated 22.01.2016 issued by General Manager - cum - Mining officer, Distt. Industrial Centre, Jalandhar to contractor Sh. Salwinder Singh S/o Sh. Ajaib Singh R/o Vill Gudhuwala PO Makhu, Tehsil Zira, Distt. Ferozepur where in it has been mentioned that validity of the contract will be for 5 years (22.01.2016 to 21.01.2021) or validity of the environmental clearance, whichever is earlier.
- iv. Copy of the OM no. F.No. 22-27/2015-IA-III dated 12.04.2016 issued by Ministry of Environment, Forest and Climate change (IA Division).
- v. Self-declaration by Sh. Salwinder Singh S/o Sh. Ajaib Singh R/o Vill Gudhuwala PO Makhu, Tehsil Zira, Distt. Ferozepur to the effect that he will implement the mining operation at the project site as mentioned in the Environment Clearance granted for mining of Minor Minerals in an area of 28.68 hectares in the revenue estate of Village Dhagara, Tehsil Phillaur, District Jalandhar, Punjab according to the conditions mentioned in the Environment Clearance granted for the project and extensions thereof.

The case was considered by the SEIAA in its 120th meeting held on 16.03.2017, which was attended by the followings: -

1. Sh. Salwinder Singh S/o Sh. Ajaib Singh R/o Vill Gudhuwala PO Makhu, Tehsil Zira, Distt. Ferozepur.
2. Sh. Amarjit Singh, GMDIC, Jalandhar.

The General manager requested that validity of environmental clearance may please be extended upto 05.07.2019 and transfer the same in the name of Sh. Salwinder Singh S/o Sh. Ajaib Singh R/o Vill Gudhuwala PO Makhu, Tehsil Zira, Distt. Ferozepur.

The SEIAA observed that:

1. As per the clarification give in the circular dated 12.04.2016 issued by Ministry of Environment, Forest & Climate Change, New Delhi, validity of environmental clearance stands extended to seven years or till completion of the project whichever is earlier, in case of projects where Environment Clearance was still valid on the date of issuance of notification dated 29.04.2015, which also applied in the present case.
2. Similarly, validity of transfer period in the name of contractor can be allowed till the validity period of Environment Clearance or contract period whichever is earlier. In the present case validity of Environment Clearance period after extending it for two years so as to complete 7 years' validity period will be 05.07.2019 and contract has been awarded upto 21.01.2021 or the validity of Environment Clearance whichever is earlier. As such the transfer period can be extended upto 05.07.2019

After detail deliberations, the SEIAA decided as under:

1. General Manager, Jalandhar be informed that validity of environmental clearance stands extended for further 2 years i.e total seven years i.e. 05.07.2019 or till extraction of minor minerals to the extent of permitted quantities of the project, whichever is earlier.
2. The validity of transfer period of the environmental clearance granted to the General Manager- Cum-Mining Officer Jalandhar, vide no. 2822 dated 06.07.2012 for mining of 2, 58, 120 Ton/annum of minor minerals in an area of 28.68 hectares from the bed of river Sutlej in the revenue estate of Village Dhagara, Tehsil Phillaur, District Jalandhar and transferred in the name of contractor Sh. Salwinder Singh S/o Sh. Ajaib Singh R/o Vill Gudhuwala PO Makhu, Tehsil Zira, Distt. Ferozepur be also extended for the extended validity period of environmental clearance i.e. upto 05.07.2019 or till extraction of minor minerals to the extent of permitted quantities of the project, whichever is earlier, subject to the same conditions as mentioned in the ongoing environmental clearance issued letter vide no. 2822 dated 06.07.2012.

In compliance to the aforesaid decision taken by SEIAA, the following actions were taken:-

- (i) General Manager, Jalandhar vide letter no. 204 dated 21.03.2017 has been informed that validity of environmental clearance stands extended for further 2 years i.e total seven years i.e. 05.07.2019 or till extraction of minor minerals to the extent of permitted quantities of the project, whichever is earlier.
- (ii) Sh. Salwinder Singh S/o Sh. Ajaib Singh vide letter no. 213 dated 21.03.2017 has been informed that validity of transfer period of the environmental clearance be also extended upto 05.07.2019 or till extraction of minor minerals to the extent of permitted quantities of the project, whichever is earlier, subject to the same conditions as mentioned in the environmental clearance issued letter vide no. 2822 dated 06.07.2012.

General Manager cum Mining Officer, District Industries Centre, Jalandhar vide Memo no. 6842 dated 19.03.2018 has requested to clarify as to whether the contractor can use machines for excavation of sand from the quarry in revenue estate of Village Dhagara, Tehsil Phillaur, District Jalandhar. The contents of the letter are as under:-

"This is to inform you that the contractor of the quarry namely Sh. Salwinder Singh has given a request in this Office that as per Mining Plan, from 28.68 hectare area, excavation of sand can be done with the help of machinery which can go upto depth of 0.90 m. The contractor while enclosing the copy of environmental clearance with his request has requested to allow them to excavate the material with the help of machinery on the said basis.

It is further informed that the SEIAA, Punjab has granted environmental clearance for mining area @ 28.68 hectares from the said quarry. But the Government of Punjab vide E-Auction notification no. GLG/Pb/G-1/Auction/1085/2015/9543-B dated 10.11.2015 has auction the said quarry for 20.22 hectare. It has sought to be clarified as to whether the contractor can use machines for excavation of sand from the quarry in revenue estate of Village Dhagara, Tehsil Phillaur, District Jalandhar or not?.

It is also mentioned here that environmental clearance was granted under EIA notification dated 14.09.2006 by SEIAA, Punjab to General Manager cum Mining Officer, District Industries Centre, Jalandhar vide no. 2822 dated 06.07.2012 for mining of 2, 58, 120 Ton/annum of minor minerals in an area

of 28.68 hectares from the bed of river Sutlej in the revenue estate of Village Dhagara, Tehsil Phillaur, District Jalandhar subject to certain conditions for a period of 5 years i.e. upto 05.07.2017. Vide letter no SEIAA/M.S/2016/86 dated 04/01/2016, the aforesaid environmental clearance was transferred in the name of contractor Sh. Salwinder Singh S/o Sh. Ajaib Singh R/o Vill Gudhuwala PO Makhu, Tehsil Zira, Distt. Ferozepur for the remaining period of environmental clearance i.e. upto 05.07.2017, subject to the same conditions as mentioned in the environmental clearance issued vide letter no. 2822 dated 06.07.2012.

Thereafter, the General Manager cum Mining Officer, District Industries Centre, Jalandhar made a request to extend the validity of said environmental clearance on the basis of office memorandum F.No. issued by MoEF&CC vide No. 22-27/2015-IA-III, GOI, dated 12.04.2016 and the validity was extended vide letter no. 204 dated 21.03.2017. At the same time on the basis of request of General Manager cum Mining Officer, District Industries Centre, Jalandhar, the transfer period of environmental clearance transferred in the name of contractor Sh. Salwinder Singh S/o Sh. Ajaib Singh R/o Vill Gudhuwala PO Makhu, Tehsil Zira, Distt. Ferozepur was extended upto 05.07.2019 vide letter no 86 dated 04.01.2016 subject to the same conditions as mentioned in the environmental clearance.

It has been observed that during the said transfers, the General Manager cum Mining Officer, District Industries Centre, Jalandhar had not brought out the fact in the knowledge of SEIAA, Punjab that E-auction has been done for mining area @20.22 hectare to the contractor by the Government of Punjab.

The matter was considered by SEIAA in its 129th meeting held on 23.03.2018 which was attended by Sh. Amarjit Singh, General Manger cum Mining Officer, District Industries Centre, Jalandhar.

The SEIAA observed that the mining area has been reduced from 28.68 hectare to 20.22 hectare during e-auction in the year 2015 however, during transfer of environmental clearance to the contractor in 2016, the GMDIC, Jalandhar has requested for transfer of environmental clearance for mining in an area of 28.68 hectare. Thus, the GMDIC, SBS Nagar is required to revise its mine plan by demarcating the area included under mining after reduction so as to obtain

the revised environmental clearance and also mining in above said quarry is required to be stopped till the GMDIC submits the revised mine plan and submits application for obtaining revised environmental clearance.

After detailed deliberations, the SEIAA decided that GMDIC, Jalandhar be informed to get the area demarcated, mining plan be revised for reduced area and application for obtaining revised environmental clearance be submitted afresh. All mining operations shall remain suspended at site till grant of revised environmental clearance.

Accordingly, the decision of SEIAA has been conveyed to GMDIC, Jalandhar vide no.484 dated 09.04.2018.

Sh. Salwinder Singh S/o Sh. Ajaib Singh requested for amendment in environmental clearance for the sand mining project for mining of 2, 44, 590 TPA of minor minerals in an area of 19.43 hectares having Hadbast no 87 in the bed of river Sutlej in the revenue estate of Village Dhagara, Tehsil Phillaur, District Jalandhar. The Project proponent has submitted Pre- feasibility report, Environment Management Plan & Mining Plan in the prescribed format, approved Mine Plan along with Form -1.

The case was considered by the SEAC in its 166th meeting held on 24.05.2018, which was attended by the following on behalf of the project proponent:

- (i) Sh. Salwinder Singh, Mining Cont. of the promoter company.
- (ii) Ms. Reena Chadha, Sr. Manager, Eco Laboratories & Consultants Pvt. Ltd., Mohali, Environmental Consultant of the promoter Company.

Environmental Consultant of the promoter company presented the salient features of the project as under:-

- The proposed project of mining of sand mining falls under Category "B2" as per MOEF Gazette Notification, and prepared as per the Sustainable Sand Mining Guidelines (2016) issued by the Ministry of Environment, Forest & Climate Change and Punjab Minor Minerals Rules-2013.
- The river bed mining falls in the Village Gagdhagara, Tehsil Phillaur, District Jalandhar, State Punjab and the estimated project cost is Rs 75.49 Lakhs and mining lease area of 19.43 hectare.
- LOCATION & REVENUE DETAILS OF MINING SITE

1.	Name of the Proponent	Sh. Salwinder Singh, S/o Sh. Ajaib Singh Village Gudhuwala, Tehsil Zira, P.O. Makhu Distt. Ferozepur, Punjab
2.	Khasra No.	Block A 51/6, 7, 8, 9 Block B 57/11, 12, 13, 14, 15 Block C 43/1, 2, 3, 4, 5, 6, 7, 8, 14, 15, 44/3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 45/1, 1, 2, 3, 4, 5, 7, 8, 9, 10, 11, 12, 14, 15, 16, 17, 20
3.	Hadbast No.	87
4.	Village	Gagdhagara
5.	Tehsil	Phillaur
6.	District	Jalandhar
7.	State	Punjab
8.	Survey of India Toposheet No. in which mining lease/proposed project area falls,	43 J/9
9.	Latitude/Longitude	30°58'33.62" N to 30°58'17.83" N 75°34'45.77" E to 75°37'9.64" E
10.	Nearest Railway Station	Nurmahal at a distance of approx.12 Km in north direction
11.	Nearest Airport	Ludhiana Airport at a distance of approx.38 Km in south east direction.
12.	Nearest Highway /Road	Nurmahal-Talwan Road is approx. 5 km in North direction.
13.	Production	2, 44, 590 TPA (Production as per the Approved Mine Plan) But as per the E-Auction Notice Dated 10 Nov.2015, Notice No. GLG/Pb/G-1/Auction /1085/2015/9543-B, only 2, 18, 280 TPA will be extracted
14.	Minable Reserve	19.43 Ha
15.	Validity of Lease period	11/02/2016 to 10/02/2021 (5 years)

➤ **The following project approval have been obtained:-**

1.	Duly signed and approved Khasra Maps	Dated 18/04/2018 and signed by Patwari of Village Phillaur
2	Duly signed and approved Aaksh sajra plan	Dated 18/04/2018 and signed by Patwari
3.	Jamabandhi of the land 2007- 2008, Gag-Dhagara, Hadbast No.87, District Jalandhar	2007-2008
4.	Undertaking from mining Office Jalandhar, mentioned that there is no mining site within 500 m and mining site is in the District Survey Report 2015-2016,	Undertaking from GM cum Mining Officer regarding the inclusion of project site in DSR.

5.	Demarcation report	11/02/2016 from Mining Office
6	Approval letter from Mining Office, Jalandhar (Pakki Parwangi)	Dated 11/02/2016, Ref.no. 598
7.	Approved Mine Plan	Approved by State Geologist, Department of Mines & Geology Punjab, Chandigarh, Dated

➤ **MINING PROCESS**

i) **Sand Mining**

For the optimum utilization of the mineral available in the auctioned mining area, mine working has been planned in a scientific and systematic manner as per the approved mining plan. The proposed project is open-cast, semi-mechanized. The mining shall be performed using semi-mechanized method. This shall make use of excavators, dumpers, tippers and few workers to accomplish the process. The main tools and equipment required for soil mining shall be excavator dumpers and tippers for semi mechanized mining operations including loading and transportation.

ii) **Details of Mining Machinery Proposed**

The mining shall be performed using semi-mechanized method. For mining operation excavators, dumpers and tippers has been considered. The Machinery considered for sand mining has been presented below.

Machine	Approximate Capacity	Nos.	Standby Equipment	Total Equipment
Excavators	0.90 m ³ or above	4	1	5
Dumpers	20 Tonnes	51	-	51
Water Tanker	As and when required			

iii) **Working Depth (below ground level)**

During the entire lease period, the mining of minor minerals will be carried out from the top surface to 3 m bgl or above the ground water table, whichever comes first. Under no circumstances it will interfere with the ground water table.

Safety Zones

- a) 3.0 m or 10% width of river whichever is more to be left in as a no mining zone.
- b) In river flood plain mining a buffer of 3 meter to be left from the river bank for mining.
- c) 100 meters from any bridge or national highway.
- d) 50 meters from reservoir, canal or building.
- e) 25 meters from edge of S.H.
- f) 10 meters from edge of other roads
- g) In river flood plain minimum 3 m buffer to be left from river bank.
- h) In agriculture field mining minimum 3 m buffer to be left from adjacent field

iv) **Details of Machinery (per day)**

As per proposed production 244590 TPA material will be extracted, i.e 978 tonnes/day of mineral requiring 250 working days and involving 45-46 trucks for the transportation of minerals.

v) **Manpower Requirement:**

The manpower requirement for the proposed project will be around 29 nos.

vi) **Power**

Mining operations will be semi-mechanized, Using Excavator of 0.90 m³ which does not required any electrical energy and the mining operation is to be carried out in daytime only. So, no electrical energy is required.

vii) **Water Supply**

In river bed mining projects there is as such no need of water to carry out mining operations except for dust suppression and drinking purpose. About 1.15 KLD will be required dust suppression purpose and about 1.0 KLD for domestic therefore total water requirement is about 2.15 KLD. The water will be drawn from the nearby area.

viii) **Solid Waste Generation & Handling**

Municipal waste (domestic and or commercial wastes)	As the laborers employed for the work are local, thus there will be minimal activity of solid waste generation during working hours at mining site. However, Solid Waste Management will be as
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	per the Solid Waste Management & Handling Rules 2016. Solid waste if any, generated at site will be segregated and disposed off properly.
Facilities for treatment or disposal of solid waste or liquid effluents	As per Approved Mining Plan maximum 524120 TPA of silt & clay will be generated as waste during the mining processes. As the waste silt and clay are inseparable from and without washing. Thus, the waste silt and clay will be sold with sand. However, whatever silt can be separated from sand will be left on the river bed for back filling.

ix) **Infrastructure:**

The site services like temporary rest room shelter, first aid box, drinking water & facilities of a portable toilets for the workers at the mine site.

- Project proponent requested for amendment in the environmental clearance granted under EIA notification dated 14.09.2006 to General Manager-cum-Mining Officer, Jalandhar for mining of minor minerals in the revenue estate of Village Dhagara (Gag Dhagara), Tehsil Phillaur, District Jalandhar with following changes:
 - i) Revised EC with revised production capacity (244, 590 TPA in an area on 19.43 Ha), for mining of minor mineral as per the latest auction notice
 - ii) Revised Approved Mining Plan prepared by RQP and approved from Mines & Geology Dept. Punjab by State Geologist.
 - iii) Change in Methodology of mining from manual to semi mechanized as per the Approved Mine Plan, project and site requirements.

After detailed deliberations, the SEAC decided to recommend the case to SEIAA for grant of revised environmental clearance for revised production capacity of 244, 590 TPA of minor minerals in an area on 19.43 Ha having HB No. 87, bearing Khasra Nos Block A: 51//6, 7, 8, 9, Geo Coordinates A1- 30°58' 35.61"N; 75°35'24.78"E, A2-30°58'34.17"N; 75°35'24.82"E, A3- 30°58'34.07"N; 75°35'26.57"E, A4- 30°58'35.34"N; 75°35'26.38"E, Block B: 57//11, 12, 13, 14, 15, Geo Coordinates B1- 30°58'30.03" N;75°35'14.87"E, B2- 30°58'31.28"N;75°35'14.67"E, B3- 30°58'30.89"N; 75°35'16.38"E, B4-30°58'29.73"N, 75°35'16.77"E, Block C: 43//1, 2, 3, 4, 5, 6, 7, 8, 14, 15, 44//3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 45//1, 1, 2, 3, 4, 5, 7, 8, 9, 10, 11, 12, 14, 15, 16, 17, 20, Geo Coordinates C1-30°58'34.66"N ;75°34'44.79"E, C2-30°58'34.40"N;75°34'47.23"E, C3-30°58'34.60"N;75°34'45.79"E, C4-30°58' 34.64"; 75° 34'43.79"E from the bed of river satluj in the revenue estate of Village Dhagara, (Gag Dhagara) Tehsil Phillaur, District Jalandhar, subjected to the following additional/revised conditions in the environmental clearance granted vide no.

2822 dated 06.07.2012 to the General Manager-Cum-Mining Officer, Jalandhar, transferred vide letter no. vide letter no SEIAA/M.S/2016/86 dated 04/01/2016 in the name of contractor Sh. Salwinder Singh S/o Sh. Ajaib Singh R/o Vill Gudhuwala PO Makhu, Tehsil Zira, Distt. Ferozepur:-

A. Specific conditions:

- (i) The environmental clearance is valid upto 05.07.2019 i.e total seven years from date of issue as per the provisions of the EIA Notification, 2006 as amended subsequently, for mining of minor minerals in the above said location and khasra numbers or till extraction of minor minerals to the extent of permitted quantities of the project or validity of the contract, whichever is earlier.
- (ii) In no case, the mining shall be carried out below the absolute elevation (Redline), as determined by the Department of Industries & Commerce, Punjab along with Department of Irrigation, Punjab after carrying out proper survey of the mining site, so as to avoid impacts on structures such as bridges, piers and to avoid vegetation impacts associated with down cutting due to excessive removal of sediment.
- (iii) The mining lease area which has been demarcated by the mining officer in the presence of revenue authorities and concerned Village Panchayat or their representatives on the ground with pucca pillars with reference to some permanent bench marks shall remain intact during entire mining lease/operation period. The existing river bed level will also be marked on the pillars to be erected before starting the mining activities.
- (iv) The mining activity shall be carried out strictly as per provisions of MoEF Notification dated 15.01.2016 & Sustainable Sand Mining Management Guidelines 2016 issued by MoEF&CC, New Delhi as amended from time to time and guidelines issued by Geological Survey of India.
- (v) For low embankment <6 m height, borrow area should not be selected within 25 m from toe/heel of embankment. In case of higher embankment, distance should not be less than 50 m . To obviate development of flow parallel to embankment, cross bars of width 8 times the depth of borrow pits spaced 50-60m centre to centre should be left in borrow pits.
- (vi) River bed extraction shall be limited to bar skimming. While extracting from the downstream of sand bar at river beds, one to 2/3rd of bar and riparian vegetation shall be retained upstream.
- (vii) Mining shall be done in layers of 1 m depth. Depth of mining in river bed shall not exceed 1.0 m or water level whichever is less. Ultimate working mining depth shall be upto 3.0 m from river bed level and not less than 1.0 m from water level of channel, whichever is reached earlier.
- (viii) The mining activity shall be restricted to the section of river bed where there is no flow of water and no in stream mining shall be carried out in any

- circumstances. Stream shall not be diverted under any circumstances to form inactive channel.
- (ix) The transportation route map will be prepared and finalized in such a manner that no vehicle passes through the flowing water section / channel of the river. Vehicular emissions shall be kept under control and regularly monitored. The project proponent shall ensure that, as far as possible, the transportation route will be away from the habitation area and will not pass through any village. The transportation hours of mined material shall be restricted to non-peak hours only.
 - (x) The mineral transportation shall be carried out through the covered trucks only and the vehicles carrying the mineral shall not be overloaded. All the public roads as well as approach roads shall be maintained by the Department and it shall be ensured that tippers carrying mined material are not loaded beyond the permissible load as per designed load bearing capacity of the road. Moreover, provision of sufficient funds shall be made in the budget for the proper maintenance of the roads.
 - (xi) Mining shall be carried out by open-cast, semi-mechanized method. Excavators (4 Nos and 01 standby), dumpers and tippers (51 Nos) for semi mechanized mining operations including loading and transportation and few workers to accomplish the process may be used in a scientific and systematic manner as per the approved mining plan.
 - (xii) The municipal solid waste generated shall be disposed off as per Solid Waste Management Rules, 2016. Segregation of bio-degradable and non-biodegradable wastes shall be done at site and disposed off as per provisions of Solid Waste Management Rules. Dustbins will be provided at site and the workers will be guided to put the domestic waste and plastic carry bags etc. if any, in the dustbin. No littering will be permitted at the site as well as in the vicinity.
 - (xiii) No mining operation shall be carried out at any point within 100 m of railway line, 100 m from national highway, 25 m from edge of State Highway, 50 m from HT line/any public works/reservoirs, tanks/canal/public roads and buildings or inhabited or 10 m of outer edge of any village/other road. No mining shall be carried out within 500 m of upper side and lower side of high level bridge on the rivers. Similarly, no mining shall be carried out within 250 m of upper and lower side of other bridges. To prevent bank erosion, no mining at the concave side of the river channel will be carried out. No mining shall be carried out 100 m inside and 500 m outside of the flood protection bund of river Satluj. A safety barrier of 7.5m width shall be left intact around the mine lease boundary. Minimum 3 m or 10% of river width, whichever is more shall be left in intact as no mining zone.

- (xiv) The project proponent shall ensure that the quantum of material to be mined does not exceed the annual replenishable rate and the original bed level of the river shall be maintained.
- (xv) The project proponent shall ensure the implementation of the post closure mining plan as proposed by the project proponent in the mining plan.
- (xvi) The protection bundh is not permitted for use as transportation route for the hauling of mined material. In case, use of small stretch of protection bundh is un-avoidable for taking the final route, the said portion of the protection bundh shall be maintained in good condition. The said portion shall be used only after obtaining prior written permission of the concerned department and a copy of the same be sent to the SEIAA, Punjab.
- (xvii)** The project proponent shall adopt and follow the procedure for mining, transportation and monitoring of sand mining or river bed mining as given in the Appendix-xii of Notification No. S.O. 141 (E) dated 15.01.2016 as well as Sustainable Sand Mining Management Guidelines, 2016 issued by MoEF & CC. **B. General Conditions:**
- (i) The monitoring of the mining project in respect of Environment Management shall be carried out by the State/District Level Environment Management Cells constituted by the Govt. of Punjab vide notifications dated 03.12.2012.

Item No.166.14: Application for amendment in the TORs issued by the MoEF for obtaining environmental clearance under EIA notification dated 14.09.2006 for expansion of BPCL LPG Bottling Plant, located at Plot No. A1 & A2, PSIEC Growth Centre, Mansa Road, Distt. Bhatinda, Punjab by M/s Bharat Petroleum Corporation Limited (BPCL), Bathinda (Proposal No: SIA/PB/IND/21729/2017).

The SEAC observed that:

Earlier, M/s Bharat Petroleum Corporation Limited (BPCL), Bathinda was issued TORs for obtaining Environmental Clearance under EIA notification dated 14.09.2006 by MOEF vide no. No.IA-J-11011/509/2017-IA-II(I) dated 16/11/2017 for obtaining prior environment clearance with public consultation for expansion of BPCL, LPG Bottling Plant, located at Plot No. A1 & A2, PSIEC Growth Centre, Mansa Road, Distt. Bhatinda, Punjab under category 6(b) i.e. Isolated storage & handling of hazardous chemicals.

The case was considered by the SEAC in its 166th meeting held on 24.05.2018, which was attended by the following on behalf of the project proponent:

- (i) Sh. Rajesh Kumar, T.M. of the promoter company.

- (ii) Sh. Abhishek Gautam from M/s Gaurang Environmental Solutions Pvt. Ltd., Environmental Consultant of the promoter Company.

Environmental Consultant of the promoter Company submitted as under:-

- (i) They are storing 450 MT LPG in above ground bullets (3X150 MT) at the existing plant. Three mounded storage bullets of 300 MT capacity each (3x300MT) are proposed to be installed.
- (ii) They have submitted a copy of Punjab Govt. Gaz.(Extra) dated 08/04/1991 by which 393.70 acres land has been acquired for setting up of Growth Centre at Bahtinda in village Jasspauwali, Hajirattan Bathinda, Patti Mehna and Patti Jhutti, Bathinda.
- (iii) MoEF has clarified vide OM dated 10.12.2014 that the exemption from the public consultation, as provided under Para 7 (i) III. Stage (3) (i) (b) of EIA Notification, 2006 is available to the Project or activities or units located within Industrial Estates or Parks, which were notified prior to 14.09.2006 i.e. EIA Notification, 14.09.2006.

The project proponent submitted a copy of letter dated 18.05.1989 issued by Punjab Small Industries and Export Corporation Ltd. for the allotment of industrial plot measuring 189100 sq.yd in growth centre Bathinda on 99 year lease hold basis (renewable for another 99 years) for the setting up of LPG Bottling Plant, which was taken on record by SEAC.

The project proponent further requested to issue amended TORs without public consultation as project is located at "PSIEC Growth Centre, Mansa Road" Industrial Area, Bathinda, Punjab.

The SEAC observed that as per OM dated 10.12.2014 & 27.04.2018 issued by MoEF & CC, the project proponent is allowed exemption from the process of public consultation as the proposed site is located in an Industrial area which was established prior to the issuance of EIA notification, 2006 and the project is also not listed amongst the projects or activities mentioned in Annexure of OM dated 4th April, 2016 issued by MoEF where Public Consultation is required even if they are located in notified industrial area/regions/zones/SEZ.

After detailed deliberations, SEAC decided to accept the request of the project proponent regarding exemption from the process of public hearing in view of

OM dated 10.12.2014 & 27.04.2018 issued by MoEF and recommended to SEIAA to allow the project proponent to submit the EIA report without conducting public hearing.

Item No.166.15: Application for issuance of TORs for carrying out EIA study for obtaining Environmental clearance under EIA notification dated 14.09.2006 for expansion of steel manufacturing unit by replacement/addition of induction furnaces Village- Mullanpur Kalan, Ambey Mazra-Mullanpur Road, Tehsil- Sirhind, District- Fatehgarh Sahib, Punjab by M/s Eden Steels (Proposal no SIA/PB/IND/23983/ 2018)

The SEAC observed that:

The project proponent has filed application for issuance of TOR under EIA notification, 2006 for expansion of steel manufacturing unit by replacing the

existing induction furnaces of capacity 6 TPH with 3 nos. of Induction Furnaces of capacity 10 TPH, 2 Nos 15 TPH each. in Village- Mullanpur Kalan, Ambey Mazra-Mullanpur Road, Tehsil- Sirhind, District- Fatehgarh Sahib, Punjab. The project is covered under category 3(a) - Secondary Metallurgical Industries project of the Schedule appended to the said notification. The details of the project as given in form 1 and other documents. The details of the document submitted with the application are as under: -

1.	Properly filled Form 1 and basic information	Yes
2.	Pre-feasibility Report	Submitted
3.	Proof of ownership of land	Submitted
4.	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.	Submitted
5.	Draft ToRs	Submitted
6.	List of accredited EIA consultant organization with accredited sector of NABET	Submitted

On scrutiny the application, following Essential details were sought online to which the project proponent has replied as under: -

Sr. NO.	EDS raised online	Reply submitted by Project Proponent
1.	As per SSI certificate, the production of steel Ingots at commencement was 17820 TPA on 24.02.2010 whereas the project proponent has mentioned its production capacity as 23760 TPA. The project proponent is required to submit the details of furnace capacity & electric load available at commencement and expansion done thereafter with documentary evidence.	The plant is in operation since October 2010 with annual production capacity of 23760 TPA through induction furnace of 6TPH operating 24hr x 330 days. Though, the installed/rated capacity is 23760 TPA, the plant can be operated at lower capacity depending on the market demand. The furnace capacity & electric load available at the commencement of plant is 6TPH and 2500 KW respectively. No expansion has been done since 2010.
2	The project proponent has got TORs issued for additional product sponge iron @ 54000 TPA and by product char @ 600 TPA. but in PFR, no reference of sponge iron has been mentioned except in raw material column i.e. MS Scrap, Ferro Alloys iron etc. please clarify as to whether sponge iron manufacturing has been started in the industry?	The TOR were issued by MOEF&CC, GOI vide F. No J-11011/233/2016-1A-II (I) for addition of sponge iron manufacturing dated 23-01-2017 @ 54000 TPA but the proposal to manufacturing sponge iron was later shelved and EC for the same was not sought. The manufacturing of sponge iron has therefore not started in the industry.

The case was considered by the SEAC in its 166th meeting held on 24.05.2018, which was attended by the following on behalf of the project proponent:

- (i) Sh. Naren Jindal, Partner of the promoter company.
- (ii) Sh. S. Dutta, FAE, M/s CPTL, Mohali, Environment consultant of the promoter company.

The SEAC allowed the project proponent to present the salient features of the project. Sh. Sumitava Dutta, Environmental Consultant of the promoter company presented the salient features of the project as under: -

- The industry is in operation since 2010 has valid CTO for the manufacturing of 23760 TPA of Steel Ingots and is not covered under the EIA Notification, 2006 due to production capacity less than 30000 TPA.
- Earlier, it was proposed to manufacture sponge iron as raw material at the existing facility for which proposal no. IA/PB/IND/59542/2016 was considered by MoEF & CC and ToR were issued and the desired Public Hearing was conducted by PPCB on 28-03-2017.

- The proposal for the manufacturing of sponge iron was later on shelved and it has now been decided to increase the capacity of production of Billets/ Ingots by using the conventional raw material MS Scrap, Cast Iron, Scrap & Ferro Alloys.
- The project proponent proposed to enhance the capacity of product by replacing existing furnace with 3 nos. of new Induction Furnaces having capacity 1 ×10 TPH and 2 ×15 TPH. The capacity of the unit after expansion will be 1, 68, 000 TPA Steel Ingots/ Billets.
- Total proposed project cost is estimated to be around Rs.1200 Lakhs
- Rs 60.0 Lacs towards Environment Protection will be spent.
- The details of the existing and proposed features of project are given in the tabulated form as under: -

S. No.	PARTICULARS	EXISTING	PROPOSED	TOTAL
A	EXISTING & PROPOSED CAPACITY OF FURNACES			
1	Induction Furnace	1 ×6 TPH (To be Replaced)	1× 10 TPH, 2×15 TPH Induction Furnace	
B	PRODUCTS			
1.	Steel Ingots/ Billets (TPA)	23, 760	+1, 68, 000 -23, 760	1, 68, 000
C	RAW MATERIAL			
1	MS Scrap, Ferro Alloys, Sponge iron etc. (TPA)	(-) 26, 374	(+) 1, 86, 480	1, 86, 480
D	GENERALS			
1	Project Cost (Lakhs)	Rs 190 Lacs	1010 Lac	Rs 1200
2	Land (Acres)	2.187	NIL	2.187
3	Power (KVA)	3000	19, 000	22, 000
4	Manpower (no's)	70	150	220
E.	WATER REQUIREMENT through existing tubewell			
1.	Domestic	2.5 KLD	16.5 KLD	19.0 KLD
2.	Cooling (makeup water)	2.0 KLD	15.0 KLD	17.0 KLD
	Total	4.5 KLD	31.5 KLD	36.0 KLD

- No Wild Life Sanctuaries, Reserved /Protected Forests or Defense Installations, Rivers and Hill Ranges falls within 10 km of the project site.
- The project falls under industrial zone as per the master plan of Mandi Gobindgarh, Punjab. About 2.187 acres existing land is available. The land use pattern is industrial for which change of land use has been obtained from Dept. of Town & Country. No additional land has been acquired

- Proposed project is based on ZERO discharge. No trade effluent is being generated from process. The waste water generated from domestic shall be treated through septic tank and partially used for plantation within premises and partially discharged into Sewer.
- Cyclone followed by Bag Filter will be proposed as APCD for the induction furnaces.
- Total quantity of slag after expansion will be 27 TPD and will be used in filling of Low lying area and in Road Making.
- Hazardous waste generated (0.02 kl/annum) from DG sets in the form of used oil is being re-used as lubricants within the industry and flue gas cleaning residue (2.5 tonn/annum) recovered by cyclones followed by bag filters has also been covered under hazardous waste & will be sent to TSDF site for final disposal.
- Regular monitoring of all significant environmental parameters will be done at frequent intervals. To implement the EMP, a structured Environment Management Cell (EMC) interwoven with the existing management system will be created.
- Development of social amenities will be in the form of medical facilities, education to underprivileged and creation of self-help groups. The details of Corporate Environment Responsibility (CER) activity will be given in the final EIA report
- The Standard TORs prescribed by the MoEF have been proposed.
- The project proponent requested that since, the baseline study for the proposed expansion has already been carried out from November, 2016 to January, 2017 and Public Hearing was conducted by PPCB on 28-03-2017 and as per OM dated 22/08/14, the baseline data for preparation of EIA/ EMP Report and the Public Hearing is valid for 3 years and its Environmental Clearance is within the State Competency. Therefore, they may be allowed to re-utilize the baseline data and exempted from public hearing.

With regard to request of project proponent, the SEAC noted that as per OM dated 22/08/2014, re-use of old baseline data for the purposed of preparation of fresh EIA report and public hearing can be considered provided monitoring data & date of public hearing are not more than 3 years old. In the present case, the baseline data is carried out from November, 2016 to January, 2017 and date of public hearing (28/03/2017) are not more than 3 years old. Thus, the request of

project proponent regarding to re-utilize the baseline data and exemption from public hearing may be accepted.

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

- a) Examine the feasibility of providing STP for treatment of waste water & recycle the same as cooling make up water.
- b) Scope of the traffic study & analysis shall include all the new projects and existing projects coming up in the area/ vicinity simultaneously with the proposed project under consideration.

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

- A. Executive Summary
- B. Introduction
 - a) Details of the EIA Consultant including NABET accreditation
 - b) Information about the project proponent
 - c) Importance and benefits of the project
- C. 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.

D. Expansion/modernization proposals:

- i. 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.
- ii. 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.
- iii. Examine and submit impact due to ground water abstraction on ambient ground water on ambient ground water.
- iv. Permission from CGWA for abstraction of ground water shall be submitted during submission of its EIA report.
- v. Separate Air Pollution Control Devices (Cyclone followed by Bag Filter as proposed) will be installed for proposed new equipment i.e. Laddle Furnace & Vacuum Degasser or any other.
- vi. Examine the feasibility of providing STP for treatment of waste water & recycle the same as cooling make up water.

E. Site Details

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

- bodies, settlements, etc. shall be included. (not required for industrial area)
- viii. A list of major industries with name and type within study area (10 km radius) shall be incorporated. Land use details of the study area.
 - ix. Geological features and Geo-hydrological status of the study area shall be included.
 - x. Details of Drainage of the project up to 5km radius of study area. If the site is within 1 km radius of any major river, peak and lean season river discharge as well as flood occurrence frequency based on peak rainfall data of the past 30 years. Details of Flood Level of the project site and maximum Flood Level of the river shall also be provided. (mega green field projects)
 - xi. Status of acquisition of land. If acquisition is not complete, stage of the acquisition process and expected time of complete possession of the land.
 - xii. R&R details in respect of land in line with state Government policy

F. 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.

G. 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. The baseline study for the proposed expansion carried out by the project proponent from November, 2016 to January, 2017 may be accepted.

- iii. AAQ data (except monsoon) at 8 locations for PMI 0, PM2.5, SO₂, NO_x, CO and other parameters relevant to the project shall be collected. The monitoring stations shall be based CPCB guidelines and take into account the pre dominant wind direction, population zone and sensitive receptors including reserved forests.
- iv. Raw data of all AAQ measurement for 12 weeks of all stations as per frequency given in the NAQPM 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.
- v. Surface water quality of nearby River (60m upstream and downstream) and other surface drains at eight locations as per CPCB/MoEF & CC guidelines. Whether the site falls near to polluted stretch of river identified by the CPCB/MoEF & CC.
- vi. Ground water monitoring at minimum at 8 locations shall be included. Ground water monitoring should be done for heavy metals in addition to routine parameters. At least three samples i.e. one from within the premises and two from outside the premises of the project.
- vii. Noise levels monitoring at 8 locations within the study area.
- viii. Soil Characteristic as per CPCB guidelines.
- ix. Traffic study of the area, type of vehicles, frequency of vehicles for transportation of materials, additional traffic due to proposed project, road width, parking arrangement etc. Areas within the premises meant for the movement of vehicles and around the weigh bridge should be paved. Scope of the traffic study & analysis shall include all the new projects and existing projects coming up in the area/ vicinity simultaneously with the proposed project under consideration.
- 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.

H. 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. Use of treated domestic water as makeup cooling water should be examined and submitted.
 - 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 ha. giving details of species, width of plantation, planting schedule post plantation and 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 plant site and outside the area of project site shall be submitted to harvest rainwater from the roof tops and storm water drains to recharge the ground water and also to use for the various activities at the project site to conserve fresh water and reduce the water requirement from other sources.
 - xi. Total capital cost and recurring cost/annum for environmental pollution control measures shall be included.
 - xii. Action plan for post-project environmental monitoring shall be submitted.
 - xiii. Onsite and Offsite Disaster (natural and Man-made) Preparedness and Emergency Management Plan including Risk Assessment and damage control. Disaster management plan should be linked with District Disaster Management Plan.
 - xiv. Examine and submit the proposal for:-
 - a) Recovery of iron from slag before disposing it off.
 - b) Identify the areas for disposal of slag in scientific manner and study the alternate uses of slag.
 - c) Use of APCD dust and slag for recovery of zinc and lead.
- I. Occupational health

- i. Details of existing Occupational & Safety Hazards. What are the exposure levels of above mentioned hazards and whether they are within Permissible Exposure level (PEL). If these are not within PEL, what measures the company has adopted to keep them within PEL so that health of the workers can be preserved,
 - ii. Details of exposure specific health status evaluation of worker. If the workers' health is being evaluated by pre designed format, chest x rays, Audiometry, Spirometry, Vision testing (Far & Near vision, colour vision and any other ocular defect) ECG, during pre placement and periodical examinations give the details of the same. Details regarding last month analyzed data of abovementioned parameters as per age, sex, duration of exposure and department wise.
 - iii. Annual report of health status of workers with special reference to Occupational Health and Safety.
 - iv. Plan and fund allocation to ensure the occupational health & safety of all contract and casual workers.
- J. Corporate Environment Policy
- i. Does the company have a well laid down Environment Policy approved by its Board of Directors? If so, it may be detailed in the EIA report.
 - ii. Does the Environment Policy prescribe for standard operating process / procedures to bring into focus any infringement / deviation / violation of the environmental or forest norms / conditions? If so, it may be detailed in the EIA.
 - iii. What is the hierarchical system or Administrative order of the company to deal with the environmental issues and for ensuring compliance with the environmental clearance conditions? Details of this system may be given.
 - iv. Does the company have system of reporting of non-compliances / violations of environmental norms to the Board of Directors of the company and / or shareholders or stakeholders at large? This reporting mechanism shall be detailed in the EIA report
- K. Details regarding infrastructure facilities such as sanitation, fuel, restroom etc. to be provided to the labour force during construction as well as to the casual workers including truck drivers during operation phase.
- L. Enterprise Social Commitment (ESC)
- i. Adequate funds (at least 2.5 % of the project cost) shall be earmarked towards the Enterprise Social Commitment based on Public Hearing issues and item-wise details along with time bound action plan shall be included. Socio-economic development activities need to be elaborated upon.
- M. 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.

N. A tabular chart with index for point wise compliance of above TORs.

INDUCTION/ARC FURNACES/CUPOLA FURNACES 5 TPH OR MORE

1. Details of proposed layout clearly demarcating existing & proposed features of the project within the plant.
2. Total no. of furnaces & details including capacity of each furnace.
3. Complete process flow diagram describing each unit, its processes and operations, along with material and energy inputs and outputs (material and energy balance).
4. Details on design and manufacturing process for all the units.
5. 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.
6. Details on requirement of raw materials, its source and storage at the plant.
7. Details on requirement of energy and water along with its source and authorization from the concerned department. Location of water intake and outfall points (with coordinates).
8. Details on toxic metal content in the waste material and its composition and end use (particularly of slag).
9. 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.

Air Pollution

Plant /Unit	Pollutants	Qty generate d	Method used to Control/and specifications/ attach Separate Sheet to furnish Details	Number of units planned & Capacity	Budget	Estimated Control Pollutant	
						Per Unit	Per day

Executive Summary

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

- i. Project name and location (Village, Dist, State, Industrial Estate (if applicable))
- ii. Products and capacities. If expansion proposal, then existing products with capacities and reference to earlier EC.
- iii. Requirement of land, raw material, water, power, fuel, with source of supply (Quantitative)

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

The following general points shall be noted:

- i. All documents shall be properly indexed, page numbered.
- ii. Period/date of data collection shall be clearly indicated.
- iii. The letter/application for environmental clearance shall quote the MOEF / SEIAA file No. and also attach a copy of the letter.
- iv. The copy of the letter received from the Ministry / SEIAA shall be also attached as an annexure to the final EIA-EMP Report.
- v. The index of the final EIA-EMP report must indicate the specific chapter and page no. of the EIA-EMP Report.
- vi. 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.
- vii. 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 prescribed TORs would be valid for a period of three years for submission of the EIA/EMP reports, as per the O.M. No. J-11013/41/2006-IA.II(I) Part dated 08.10.2014. A detailed draft EIA/EMP report should be prepared as per the above noted TOR. A tabular chart with index for point wise compliance of above TOR should be submitted by the project proponent The project proponent shall submit final EIA / EMP based upon the TORs to the SEIAA for Appraisal of its project.

Item No.166.16: Application for issuance of TORs for carrying out EIA study for obtaining Environmental clearance under EIA notification dated 14.09.2006 for expansion of steel manufacturing unit by replacement/addition of induction furnaces Village- Nasrali, Grain Market, Mandi Gobindgarh, District- Fatehgarh Sahib, Punjab by M/s Gian Castings (Proposal no SIA/PB/IND/25818/2018)

The SEAC observed that:

The project proponent has filed application for issuance of TOR under EIA notification, 2006 for expansion of steel manufacturing unit by replacing the existing induction furnaces of capacity 6 TPH with 2 nos. of Induction Furnaces of capacity 10 TPH, 1 Nos 15 TPH and a rolling mill in Village Nasrali, opp. 66 K.V. Sub-Station, Grain Market, Mandi gobindgarh, District- Fatehgarh Sahib. The project is covered under category 3(a) Metallurgical industries (ferrous & nonferrous project of the Schedule appended to the said notification. The details of the document submitted with the application are as under: -

1.	Properly filled Form 1 and basic information	Yes
2.	Pre-feasibility Report	Submitted
3.	Proof of ownership of land	Submitted, but not marked on the master plan of Mandi Gobindgarh.
4.	Copy of Memorandum of Article & Association / partnership deed / undertaking of sole proprietorship / list of Directors and names of other	Memorandum of Article & Association not Submitted but list of Directors mentioned in the PFR.

	persons responsible for managing the day-to-day affairs of the project.	
5.	Draft ToRs	Submitted
6.	List of accredited EIA consultant organization with accredited sector of NABET	Submitted

On scrutiny the application, following Essential details were sought online to which the project proponent has replied as under: -

Sr. NO.	EDS raised online	Reply submitted by Project Proponent
1.	In Prefeasibility Report, the project proponent has mentioned that the industry is situated in approved Industrial land for industrial purpose. Please submit any documentary evidence to prove your contention	The project land falls in industrial land as per master plan of Mandi Gobindgarh. It is inadvertently mention that project falls in approved Industrial Land.

The case was considered by the SEAC in its 166th meeting held on 24.05.2018, which was attended by the following on behalf of the project proponent:

- (i) Sh. Mohender Gupta, Managing Director.
- (ii) Sh. S. Dutta, FAE, M/s CPTL, Mohali, Environment consultant of the promoter company.

The SEAC allowed the project proponent to present the salient features of the project. Sh. Sumitava Dutta, Environmental Consultant of the promoter company presented the salient features of the project as under: -

- M/s Gian Castings Pvt Ltd is a Private Limited Company. The present Directors of the company are as under:
 1. Mr. Mohinder Gupta
 2. Mr. Mohit Gupta
 3. Mr. Kanav Goyal
 4. Mr. Arjun Gupta
- The industry is having valid consent to operate under Water Act, 1974 & Air Act, 1981
- The detail of the capacity of furnace and total production at different stages is as under:-

Year of Establish-ment	Capacity of Furnace	Total Production	Whether covered under EIA Notification or Not
1993	3 TPH	40 TPD	The industry does not cover under EIA Notification S.O. 3067 (E) dated

			01.12.2009 because the production capacity of the industry was <30, 000 TPA.
2013	6 TPH	78 TPD	The industry does not cover under EIA Notification S.O. 3067 (E) dated 01.12.2009 because the production capacity of the industry was <30, 000 TPA.

- The details of the existing and proposed projects are given in the tabulated form as under: -

S. No.	PARTICULARS	EXISTING	PROPOSED	TOTAL
A	EXISTING & PROPOSED CAPACITY OF FURNACES			
1	Induction Furnace	1 ×6 TPH (To be Replaced)	1× 10 TPH, 1×15 TPH Induction Furnace and a rolling mill	
B	PRODUCTS			
1.	Steel Ingots/ Billets (TPA)	27300	77700	105000
	Rounds, Square, TMT/MS Bars, Angles, Channel, Flats etc.	Nil	80000	80000
C	RAW MATERIAL			
1	MS Scrap (TPA)	29880	85238	115118
	Ferro-Alloys (TPA)	250	1278	1528
D	GENERALS			
1	Project Cost (Lakhs)	Rs. 8 Crore	10 crore	18 crore
2	Land (Acres)	3.2	NIL	3.2
3	Power (KVA)	3900	6100	10000
4	Manpower (no's)	60	65	125
5	Working Days	24 x 350 working days in a year		
E.	WATER REQUIREMENT through existing tubewell			
1.	Domestic	3 KLD	3 KLD	6 KLD
2.	Cooling (makeup water)	4 KLD	25 KLD	29 KLD
	Total	7 KLD	29 KLD	36 KLD

- Total proposed project cost is estimated to be around Rs.1800 Lakhs
- Rs 70.0 Lacs towards Environment Protection will be spent.
- There is no Wetlands, mountains & reserve forest, sanctuary, river present within 10 km radius of the project.
- About 3.2 acres existing land is available. No additional land has been acquired and land is already in use for industry.
- Proposed project is based on ZERO discharge. No trade effluent is being generated from process.
- The waste water generated from domestic & cooling blow down water shall be

treated through septic tank and is being used for plantation purposes within premises. After expansion STP will be provided for the treatment of waste water and will be used for plantation purposes within premises.

- The existing quantity of slag is 5TPD and is being used for filling of low lying area. Total quantity of slag after expansion will be 19.97 TPD and will be used in filling of Low lying area and in Road Making after recovery of metal.
- Hazardous waste generated (0.02kl/annum) from DG sets in the form of used oil to be reused as lubricants within the industry and APCD dust after expansion (17.5 ton/annum) recovered by bag filter has also been covered under hazardous waste & sent to TSDF site for final disposal.
- Environment Management Cell will keep all records regarding implementation of the E.M.P. for follow up actions.
- Development of social amenities will be in the form of medical facilities, education to underprivileged and creation of self-help groups. The details of Corporate Environment Responsibility (CER) activity will be given in the final EIA report
- Baseline data will be collected by monitoring & surveying of various environmental components / parameters in the core zone during the study period.
- Environmental Consultant of the Promoter industry proposed the Standard TORs prescribed by the MoEF & CC.

To a query of SEAC regarding land use pattern as per the master plan of Mandi Gobindgarh, the project proponent replied that the project falls under industrial zone as per the master plan of Mandi Gobindgarh, Punjab. There will be no change in the land use. It is an expansion project; no additional land has been acquired.

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

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

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

following Terms of Reference for Environmental Impact Assessment Study of the proposed project including above observation as conditions of TOR and recommended to SEIAA to issue the following TORs :-

- A. Executive Summary
- B. Introduction
 - a) Details of the EIA Consultant including NABET accreditation
 - b) Information about the project proponent
 - c) Importance and benefits of the project
- C. 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. Examine & submit the impacts of providing multi cyclone as additional APCD before proposed APCD i.e. Bag Filters.
 - 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.
- D. Expansion/modernization proposals:
 - i. 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.
 - ii. 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.

- iii. Examine and submit impact due to ground water abstraction on ambient ground water on ambient ground water.
- iv. Permission from CGWA for abstraction of ground water shall be submitted during submission of its EIA report.
- v. Separate Air Pollution Control Devices will be installed for proposed new equipment i.e. Laddle Furnace & Vacuum Degasser or any other.
- vi. STP will be provided inside the premises for treatment of domestic waste water as manpower will increase significantly after expansion. Treated waste water will be used for green belt development and cooling purpose as make up water.

E. Site Details

- i. Location of the project site covering village, Taluka / Tehsil, District and State, Justification for selecting the site, whether other sites were considered. Copy of Master Plan indicating a land use pattern of the site is in conformity of proposals of Master Plan shall be attached with EIA report.
- ii. A topo sheet of the study area of radius of 10 km and site location on 1:50, 000/1:25, 000 scale on an A3/A2 sheet. (Including all eco-sensitive areas and environmentally sensitive places)
- iii. Co-ordinates (lat-long) of all four corners of the site.
- iv. Google map-Earth downloaded of the project site
- v. Layout maps indicating existing unit as well as proposed unit indicating storage area, plant area, greenbelt area, utilities etc. If located within an Industrial area/Estate/Complex, layout of Industrial Area indicating location of unit within the Industrial area/Estate.
- vi. Photographs of the proposed and existing (if applicable) plant site. If existing, show photographs of plantation/greenbelt, in particular.
- vii. Land use break-up of total land of the project site (identified and acquired), government/private - agricultural, forest, wasteland, water bodies, settlements, etc. shall be included. (not required for industrial area)
- viii. A list of major industries with name and type within study area (10 km radius) shall be incorporated. Land use details of the study area.
- ix. Geological features and Geo-hydrological status of the study area shall be included.
- x. Details of Drainage of the project up to 5km radius of study area. If the site is within 1 km radius of any major river, peak and lean season river

discharge as well as flood occurrence frequency based on peak rainfall data of the past 30 years. Details of Flood Level of the project site and maximum Flood Level of the river shall also be provided. (mega green field projects)

- xi. Status of acquisition of land. If acquisition is not complete, stage of the acquisition process and expected time of complete possession of the land.
- xii. R&R details in respect of land in line with state Government policy

F. 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.

G. 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 PMI 0, PM2.5, SO₂, NO_x, CO and other parameters relevant to the project shall be collected. The monitoring stations shall be based CPCB guidelines and take into account the pre dominant wind direction, population zone and sensitive receptors including reserved forests.
- iii. Raw data of all AAQ measurement for 12 weeks of all stations as per frequency given in the NAQQM Notification of Nov. 2009 along with - min., max., average and 98% values for each of the AAQ parameters from data of all AAQ stations should be provided as an annexure to the EIA Report.

- iv. Surface water quality of nearby River (60m upstream and downstream) and other surface drains at eight locations as per CPCB/MoEF & CC guidelines. Whether the site falls near to polluted stretch of river identified by the CPCB/MoEF & CC.
- v. Ground water monitoring at minimum at 8 locations shall be included. Ground water monitoring should be done for heavy metals in addition to routine parameters. At least three samples i.e. one from within the premises and two from outside the premises of the project.
- vi. Noise levels monitoring at 8 locations within the study area.
- vii. Soil Characteristic as per CPCB guidelines.
- viii. Traffic study of the area, type of vehicles, frequency of vehicles for transportation of materials, additional traffic due to proposed project, road width, parking arrangement etc. Areas within the premises meant for the movement of vehicles and around the weigh bridge should be paved. Scope of the traffic study & analysis shall include all the new projects and existing projects coming up in the area/ vicinity simultaneously with the proposed project under consideration.
- ix. 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.
- x. Socio-economic status of the study area.

H. 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. Use of treated domestic water as makeup cooling water should be examined and submitted.

- 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 ha. giving details of species, width of plantation, planting schedule post plantation and 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 plant site and outside the area of project site shall be submitted to harvest rainwater from the roof tops and storm water drains to recharge the ground water and also to use for the various activities at the project site to conserve fresh water and reduce the water requirement from other sources.
- xi. Total capital cost and recurring cost/annum for environmental pollution control measures shall be included.
- xii. Action plan for post-project environmental monitoring shall be submitted.
- xiii. Onsite and Offsite Disaster (natural and Man-made) Preparedness and Emergency Management Plan including Risk Assessment and damage control. Disaster management plan should be linked with District Disaster Management Plan.
- xiv. Examine and submit the proposal for: -
 - a) Recovery of iron from slag before disposing it off.
 - b) Identify the areas for disposal of slag in scientific manner and study the alternate uses of slag.
 - c) Use of APCD dust and slag for recovery of zinc and lead.

I. Occupational health

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

- ii. Details of exposure specific health status evaluation of worker. If the workers' health is being evaluated by pre designed format, chest x rays, Audiometry, Spirometry, Vision testing (Far & Near vision, colour vision and any other ocular defect) ECG, during pre-placement and periodical examinations give the details of the same. Details regarding last month analyzed data of abovementioned parameters as per age, sex, duration of exposure and department wise.
 - iii. Annual report of health status of workers with special reference to Occupational Health and Safety.
 - iv. Plan and fund allocation to ensure the occupational health & safety of all contract and casual workers.
- J. Corporate Environment Policy
- i. Does the company have a well laid down Environment Policy approved by its Board of Directors? If so, it may be detailed in the EIA report.
 - ii. Does the Environment Policy prescribe for standard operating process / procedures to bring into focus any infringement / deviation / violation of the environmental or forest norms / conditions? If so, it may be detailed in the EIA.
 - iii. What is the hierarchical system or Administrative order of the company to deal with the environmental issues and for ensuring compliance with the environmental clearance conditions? Details of this system may be given.
 - iv. Does the company have system of reporting of non-compliances / violations of environmental norms to the Board of Directors of the company and / or shareholders or stakeholders at large? This reporting mechanism shall be detailed in the EIA report.
- K. Details regarding infrastructure facilities such as sanitation, fuel, restroom etc. to be provided to the labour force during construction as well as to the casual workers including truck drivers during operation phase.
- L. Enterprise Social Commitment (ESC)
- i. Adequate funds (at least 2.5 % of the project cost) shall be earmarked towards the Enterprise Social Commitment based on Public Hearing issues and item-wise details along with time bound action plan shall be included. Socio-economic development activities need to be elaborated upon.
- M. 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.

N. A tabular chart with index for point wise compliance of above TORs.

INDUCTION/ARC FURNACES/CUPOLA FURNACES 5 TPH OR MORE

1. Details of proposed layout clearly demarcating existing & proposed features of the project within the plant.
2. Total no. of furnaces & details including capacity of each furnace.
3. Complete process flow diagram describing each unit, its processes and operations, along with material and energy inputs and outputs (material and energy balance).
4. Details on design and manufacturing process for all the units.
5. 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.
6. Details on requirement of raw materials, its source and storage at the plant.
7. Details on requirement of energy and water along with its source and authorization from the concerned department. Location of water intake and outfall points (with coordinates).
8. Details on toxic metal content in the waste material and its composition and end use (particularly of slag).
9. 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.

Air Pollution

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

Executive Summary

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

- i. Project name and location (Village, Dist, State, Industrial Estate (if applicable))
- ii. Products and capacities. If expansion proposal, then existing products with capacities and reference to earlier EC.
- iii. Requirement of land, raw material, water, power, fuel, with source of supply (Quantitative)
- iv. Process description in brief, specifically indicating the gaseous emission, liquid effluent and solid and hazardous wastes.

- v. Measures for mitigating the impact on the environment and mode of discharge or disposal.
- vi. Capital cost of the project, estimated time of completion
- vii. Site selected for the project - Nature of land - Agricultural (single/double crop), barren, Govt/private land, status of its acquisition, nearby (in 2-3 km.) water body, population, within 10 km other industries, forest, eco-sensitive zones, accessibility, (note - in case of industrial estate this information may not be necessary)
- viii. Baseline environmental data - air quality, surface and ground water quality, soil characteristic, flora and fauna, socio-economic condition of the nearby population Identification of hazards in handling, processing and storage of hazardous material and safety system provided to mitigate the risk.
- ix. Identification of hazards in handling, processing and storage of hazardous material and safety system provided to mitigate the risk
- x. Likely impact of the project on air, water, land, flora-fauna and nearby population
- xi. Emergency preparedness plan in case of natural or in plant emergencies
- xii. Issues raised during public hearing (if applicable) and response given
- xiii. CSR plan with proposed expenditure.
- xiv. Occupational Health Measures
- xv. Post Project monitoring plan

The following general points shall be noted:

- i. All documents shall be properly indexed, page numbered.
- ii. Period/date of data collection shall be clearly indicated.
- iii. The letter/application for environmental clearance shall quote the MOEF / SEIAA file No. and also attach a copy of the letter.
- iv. The copy of the letter received from the Ministry / SEIAA shall be also attached as an annexure to the final EIA-EMP Report.
- v. The index of the final EIA-EMP report must indicate the specific chapter and page no. of the EIA-EMP Report.
- vi. 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.
- vii. 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 TORs prescribed shall be valid for a period of three years for submission of the EIA-EMP reports along with Public Hearing Proceedings. TORs' prescribed by the State Expert Appraisal Committee (Industry) shall be considered for preparation of EIA-EMP report for the project in addition to all the relevant information as per the 'Generic Structure of EIA' given in Appendix III and III A in the EIA Notification, 2006. Where the documents provided are in a language other than English, an English translation shall be provided. The draft EIA-EMP report shall be submitted to the State Pollution Control Board of the concerned State for conduct of Public Hearing. The SPCB shall conduct the Public Hearing/public consultation, district-wise, as per the provisions of EIA notification, 2006. The Public Hearing shall be chaired by an Officer not below the rank of Additional District Magistrate. The issues raised in the Public Hearing and during the consultation process and the commitments made by the project proponent on the same shall be included separately in EIA-EMP Report in a separate chapter and summarized in a tabular chart with financial budget (capital and revenue) along with time-schedule of implementation for complying with the commitments made. The final EIA report shall be submitted to the SEIAA Punjab for obtaining environmental clearance.

Item No.166.17: Application for issuance of TORs for carrying out EIA study for obtaining Environmental clearance under EIA notification dated 14.09.2006 for expansion of steel manufacturing unit by replacement/addition of induction furnaces in Village Kumbran, Mandi Gobindgarh, District Fatehgarh Sahib by M/s Rajdhani Castings (Proposal no SIA/PB/IND/21985/ 2018)

The SEAC observed that:

It is intimated that project proponent has obtained environmental clearance vide no. F. No. J-11011127112009-IA II (I) dated 30-09-2010 from the Ministry of Environment and Forests for setting up of Induction Furnace (MS ingots -- 224 MTPD) and Rolling mill (TMT bars - 200 MTPD) at Village Kumbra, Tehsil Amloh Road; Mandi Gobindgarh, District Fatehgarh Sahib in Punjab. The total land acquired

for the project is 2.4 ha. Ministry of Environment, Forest and Climate Change has extended the validity of the environmental clearance for further three years i.e. up to 29th March 2019 subject to certain conditions, on the recommendations of the Expert Appraisal Committee.

The project proponent has filed application for issuance of TOR under EIA notification, 2006 for expansion of steel manufacturing unit under category 3(a) Metallurgical industries (ferrous & nonferrous project of the Schedule appended to the said notification. The project proponent has proposed to setup two sets of induction furnaces (each of 15 MT/heat capacity, with a production capacity of about 450 MT/day, or 148500 MT/year) and a rolling mill with installed capacity of 400 MT/day (or 132000 MT/year). The details of the document submitted with the application are as under: -

1.	Properly filled Form 1 and basic information	Yes
2.	Pre-feasibility Report	Submitted
3.	Proof of ownership of land	Submitted
4.	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.	Submitted
5.	Draft ToRs	Submitted
6.	List of accredited EIA consultant organization with accredited sector of NABET	Submitted

On scrutiny the application, following Essential details were sought online to which the project proponent has replied as under: -

Sr. NO.	EDS raised online	Reply submitted by Project Proponent
1.	Details of location of the industry duly marked on Notified Master or submit the documentary evidence to prove your contention that it is located in designated industrial area.	Land Use Certificate issued by District Town Planner, Fatehgarh Sahib has been submitted in this regard as additional documents.
2	Proof of ownership of land	Copy of Jamabandi is being submitted
3	Copy of Memorandum of Article or Partnership Deed or Proprietorship	Copy of Memorandum is being submitted.

4.	The project proponent is required to submit the details of furnace capacity & electric load available in the year 2010 and also submit detail for the proposed expansion.	Environmental clearance has been obtained for setting up of induction furnace capacity of 224 MT/day with 2 sets of 8 TPH capacity furnace. Electric load for the same is 10 MW. Now, the electric load requirement proposed is 15 MW and induction furnace capacity of 450 MT/day with 2 sets of 15 TPH capacity furnace.
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The case was considered by the SEAC in its 166th meeting held on 24.05.2018, which was attended by the following on behalf of the project proponent:

- (i) Sh. Anil Kumar Garg, Director.
- (ii) Sh. Yashpal Jain, Director (Technical), Enviro Infra Solutions Pvt. Ltd., Ghaziabad, Environment consultant of the promoter company.

Environment consultant of the promoter company presented the salient features of the project as under:-

- The project proponent has already obtained environmental clearance vide no. F. No. J-11011127112009-IA II (I) dated 30-09-2010 from the Ministry of Environment and Forests for setting up of Induction Furnace (MS ingots -- 224 MTPD) and Rolling mill (TMT bars - 200 MTPD) at Village Kumbra, Tehsil Amloh Road; Mandi Gobindgarh, District Fatehgarh Sahib in Punjab
- Further, Ministry of Environment, Forest and Climate Change has also extended the validity of the environmental clearance for further three years i.e. up to 29th March 2019 subject to certain conditions. However, the project could not be stated due to market slump conditions
- The details of the existing and proposed features of project are given in the tabulated form as under: -

S. No.	PARTICULARS	EXISTING	PROPOSED	TOTAL
A	EXISTING & PROPOSED CAPACITY OF FURNACES			
1	Induction Furnace	2 ×8 TPH each and a rolling mill for which EC obtained from MoEF. Against approval obtained, 1 x 15 TPH	2×15 TPH Induction Furnace and a rolling mill	

		is under installation.		
B	PRODUCTS			
1.	Steel Ingots/ Billets (TPD)	224	450	400
2	Rolled Products, Angles, Channel, Flats etc.	200	400	400
C	By-Product			
	Iron Slag (MT)	-	2	2
D	RAW MATERIAL			
1	MS Scrap (MT)	-	475	475
2	Alloys such as Silicon, Silicon Manganese and Aluminum (MT)	-	5	5
D	GENERALS			
1	Project Cost (Lakhs)	16.37 crore	38.23 crore	54.6 crore
2	Land (ha)	2.4	-	2.4
3	Power (MW)	10	5	15
	DG set	-	1 x 250 KVA	1 x 250 KVA
5	Working Days	24 x 330 working days in a year		
E.	WATER REQUIREMENT through existing tubewell			
1.	Domestic	- KLD	10 KLD	10 KLD
2.	Cooling (makeup water)	- KLD	5 KLD	5 KLD
	Total	8.5 KLD	15 KLD	15 KLD

- No important or sensitive for ecological reasons such as Wetlands, watercourses or other water bodies, coastal zone, biospheres, mountains, forests fall within 15 Km radius
- The land has been earmarked for industrial purposes as per the Master Plan of Mandi Gobindgarh.
- The water requirements for the industry would be only for losses in cooling towers and domestic requirements. Daily water requirements of the industry would be around 15 KLD.
- No trade effluent is being generated from process. The industry would generate less than 4.5 KLD of domestic sewage, which will be treated in septic tank. The industrial unit will install air cooled and water cooled cooling towers.
- Bag house type air pollution control system would be installed for the induction furnaces.
- Solid waste will include induction furnace slag @ 2 MT/day. The solid wastes have commercial worth and will be sold.

- Hazardous waste will include dust from air pollution control devices @ 1000 kg/day and used/spent lubricant and transformer oil @ 1000 litre/year. The hazardous wastes will be stored on-site in HDPE bags, inside a lined and covered room before being disposed. The wastes will, subsequently, be disposed through the State's common hazardous waste disposal facility. The used oils will be in metallic drums inside a lined and covered room and will be sold to the authorized recyclers.
- Environmental Consultant of the Promoter industry proposed the Standard TORs prescribed by the MoEF & CC.

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

- i. Examine the feasibility of providing STP for treatment of waste water & recycle the same as cooling make up water.
- ii. Scope of the traffic study & analysis shall include all the new projects and existing projects coming up in the area/ vicinity simultaneously with the proposed project under consideration.

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

- A. Executive Summary
- B. Introduction
 - a) Details of the EIA Consultant including NABET accreditation
 - b) Information about the project proponent
 - c) Importance and benefits of the project
- C. 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. Examine & submit the impacts of providing multi cyclone as additional APCD before proposed APCD i.e. Bag Filters.
- 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.

D. Expansion/modernization proposals:

- i. 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.
- ii. 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.
- iii. Examine and submit impact due to ground water abstraction on ambient ground water on ambient ground water.
- iv. Permission from CGWA for abstraction of ground water shall be submitted during submission of its EIA report.
- v. Separate Air Pollution Control Devices will be installed for proposed new equipment i.e. Laddle Furnace & Vaccum Degasser or any other.
- vi. Examine the feasibility of providing STP for treatment of waste water & recycle the same as cooling make up water.

E. Site Details

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

- ii. A topo sheet of the study area of radius of 10 km and site location on 1:50, 000/1:25, 000 scale on an A3/A2 sheet. (Including all eco-sensitive areas and environmentally sensitive places)
- iii. Co-ordinates (lat-long) of all four corners of the site.
- iv. Google map-Earth downloaded of the project site
- v. Layout maps indicating existing unit as well as proposed unit indicating storage area, plant area, greenbelt area, utilities etc. If located within an Industrial area/Estate/Complex, layout of Industrial Area indicating location of unit within the Industrial area/Estate.
- vi. Photographs of the proposed and existing (if applicable) plant site. If existing, show photographs of plantation/greenbelt, in particular.
- vii. Land use break-up of total land of the project site (identified and acquired), government/private - agricultural, forest, wasteland, water bodies, settlements, etc. shall be included. (not required for industrial area)
- viii. A list of major industries with name and type within study area (10 km radius) shall be incorporated. Land use details of the study area.
- ix. Geological features and Geo-hydrological status of the study area shall be included.
- x. Details of Drainage of the project up to 5km radius of study area. If the site is within 1 km radius of any major river, peak and lean season river discharge as well as flood occurrence frequency based on peak rainfall data of the past 30 years. Details of Flood Level of the project site and maximum Flood Level of the river shall also be provided. (mega green field projects)
- xi. Status of acquisition of land. If acquisition is not complete, stage of the acquisition process and expected time of complete possession of the land.
- xii. R&R details in respect of land in line with state Government policy.

F. 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.

G. 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 PMI 0, PM2.5, SO₂, NO_x, CO and other parameters relevant to the project shall be collected. The monitoring stations shall be based CPCB guidelines and take into account the pre dominant wind direction, population zone and sensitive receptors including reserved forests.
- iii. Raw data of all AAQ measurement for 12 weeks of all stations as per frequency given in the NAQQM Notification of Nov. 2009 along with - min., max., average and 98% values for each of the AAQ parameters from data of all AAQ stations should be provided as an annexure to the EIA Report.
- iv. Surface water quality of nearby River (60m upstream and downstream) and other surface drains at eight locations as per CPCB/MoEF & CC guidelines. Whether the site falls near to polluted stretch of river identified by the CPCB/MoEF & CC.
- v. Ground water monitoring at minimum at 8 locations shall be included. Ground water monitoring should be done for heavy metals in addition to routine parameters. At least three samples i.e. one from within the premises and two from outside the premises of the project.
- vi. Noise levels monitoring at 8 locations within the study area.
- vii. Soil Characteristic as per CPCB guidelines.
- viii. Traffic study of the area, type of vehicles, frequency of vehicles for transportation of materials, additional traffic due to proposed project, road width, parking arrangement etc. Areas within the premises meant for the movement of vehicles and around the weigh bridge should be paved. Scope of the traffic study & analysis shall include all the new projects and

existing projects coming up in the area/ vicinity simultaneously with the proposed project under consideration.

- ix. 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.
- x. Socio-economic status of the study area.

H. 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. Use of treated domestic water as makeup cooling water should be examined and submitted.
- 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 ha. giving details of species, width of plantation, planting schedule post plantation and 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 plant site and outside the area of project site shall be submitted to harvest rainwater from the roof tops and storm water drains to recharge the ground water and also to use for the various activities at the project site to conserve fresh water and reduce the water requirement from other sources.
- xi. Total capital cost and recurring cost/annum for environmental pollution control measures shall be included.
- xii. Action plan for post-project environmental monitoring shall be submitted.
- xiii. Onsite and Offsite Disaster (natural and Man-made) Preparedness and Emergency Management Plan including Risk Assessment and damage control. Disaster management plan should be linked with District Disaster Management Plan.
- xiv. Examine and submit the proposal for:-
 - a) Recovery of iron from slag before disposing it off.
 - b) Identify the areas for disposal of slag in scientific manner and study the alternate uses of slag.
 - c) Use of APCD dust and slag for recovery of zinc and lead.

I. Occupational health

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

J. Corporate Environment Policy

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

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

L. Enterprise Social Commitment (ESC)

- i. Adequate funds (at least 2.5 % of the project cost) shall be earmarked towards the Enterprise Social Commitment based on Public Hearing issues and item-wise details along with time bound action plan shall be included. Socio-economic development activities need to be elaborated upon.

M. 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.

N. A tabular chart with index for point wise compliance of above TORs.

INDUCTION/ARC FURNACES/CUPOLA FURNACES 5 TPH OR MORE

1. Details of proposed layout clearly demarcating existing & proposed features of the project within the plant.
2. Total no. of furnaces & details including capacity of each furnace.
3. Complete process flow diagram describing each unit, its processes and operations, along with material and energy inputs and outputs (material and energy balance).
4. Details on design and manufacturing process for all the units.

5. 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.
6. Details on requirement of raw materials, its source and storage at the plant.
7. Details on requirement of energy and water along with its source and authorization from the concerned department. Location of water intake and outfall points (with coordinates).
8. Details on toxic metal content in the waste material and its composition and end use (particularly of slag).
9. 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.

Air Pollution

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

Executive Summary

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

- i. Project name and location (Village, Dist, State, Industrial Estate (if applicable))
- ii. Products and capacities. If expansion proposal, then existing products with capacities and reference to earlier EC.
- iii. Requirement of land, raw material, water, power, fuel, with source of supply (Quantitative)
- iv. Process description in brief, specifically indicating the gaseous emission, liquid effluent and solid and hazardous wastes.
- v. Measures for mitigating the impact on the environment and mode of discharge or disposal.
- vi. Capital cost of the project, estimated time of completion
- vii. Site selected for the project - Nature of land - Agricultural (single/double crop), barren, Govt/private land, status of is acquisition, nearby (in 2-3 km.)

water body, population, within 10 km other industries, forest, eco-sensitive zones, accessibility, (note - in case of industrial estate this information may not be necessary)

- viii. Baseline environmental data - air quality, surface and ground water quality, soil characteristic, flora and fauna, socio-economic condition of the nearby population Identification of hazards in handling, processing and storage of hazardous material and safety system provided to mitigate the risk.
- ix. Identification of hazards in handling, processing and storage of hazardous material and safety system provided to mitigate the risk
- x. Likely impact of the project on air, water, land, flora-fauna and nearby population
- xi. Emergency preparedness plan in case of natural or in plant emergencies
- xii. Issues raised during public hearing (if applicable) and response given
- xiii. CSR plan with proposed expenditure.
- xiv. Occupational Health Measures
- xv. Post Project monitoring plan

The following general points shall be noted:

- i. All documents shall be properly indexed, page numbered.
- ii. Period/date of data collection shall be clearly indicated.
- iii. The letter/application for environmental clearance shall quote the MOEF / SEIAA file No. and also attach a copy of the letter.
- iv. The copy of the letter received from the Ministry / SEIAA shall be also attached as an annexure to the final EIA-EMP Report.
- v. The index of the final EIA-EMP report must indicate the specific chapter and page no. of the EIA-EMP Report.
- vi. 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.
- vii. 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 TORs prescribed shall be valid for a period of three years for submission of the EIA-EMP reports along with Public Hearing Proceedings. TORs' prescribed by the State Expert Appraisal Committee (Industry) shall be considered for preparation of EIA-EMP report for the project in addition to all the relevant information as per the 'Generic Structure of EIA' given in Appendix III and III A in the EIA Notification, 2006. Where the documents provided are in a language other than English, an English translation shall be provided. The draft EIA-EMP report shall be submitted to the State Pollution Control Board of the concerned State for conduct of Public Hearing. The SPCB shall conduct the Public Hearing/public consultation, district-wise, as per the provisions of EIA notification, 2006. The Public Hearing shall be chaired by an Officer not below the rank of Additional District Magistrate. The issues raised in the Public Hearing and during the consultation process and the commitments made by the project proponent on the same shall be included separately in EIA-EMP Report in a separate chapter and summarized in a tabular chart with financial budget (capital and revenue) along with time-schedule of implementation for complying with the commitments made. The final EIA report shall be submitted to the SEIAA Punjab for obtaining environmental clearance.

Item No.166.18: Application for issuance of TORs for carrying out EIA study for obtaining Environmental clearance under EIA notification dated 14.09.2006 for establishment of new hospital including other utilities namely AIIMS, Bathinda at Village Jodhpur Romana, Bathinda, Punjab by HLL Infra Tech Services Ltd. (Proposal no SIA/PB/NCP/25696/ 2018)

The SEAC observed that:

The promoter company has applied for issuance of ToRs for carrying out EIA study for obtaining environmental clearance under EIA notification dated 14.09.2006 for establishment of new hospital including other utilities namely AIIMS, Bathinda at Village Jodhpur Romana, Bathinda, Punjab. The project is covered under

category 8 (b) of the Schedule appended to the said notification. The project proponent submitted the Form 1, 1A and other documents.

Environmental Engineer, Regional office, Bathinda was requested vide email dated 02.05.2018 & 10.05.2018 to visit the project site and send the construction status report. Environmental Engineer, Regional office, Bathinda vide email dated 11.05.2018 informed that The site of the proposed project was visited by AEE of his office on 11.05.2018 and it was observed that the boundary wall has been constructed all around the project area. However, no other construction work has been started so far for the establishment of Health Care Facility (AIIMS).

The case was considered by the SEAC in its 166th meeting held on 24.05.2018, which was attended by the following on behalf of the project proponent:

- (i) Sh. PK Pundir, Deputy Vice President, M/s HLL Infratech Services Ltd., Noida on behalf of the project proponent.
- (ii) Ms. Akta Chugh, General Manager (Technical), M/s Perfect Enviro Solutions Pvt. Ltd., Environment consultant of the promoter company.

Environment consultant of the promoter company presented the salient features of the project as under:-

- The proposed project "All India Institute of Medical Sciences" shall be located at Jodhpur Romana, Bathinda, Punjab being developed by HLL Infra Tech Services Ltd as executing agency on behalf of Ministry of Health & Family Welfare., Govt. of India, New Delhi
- The details feature of proposed project "All India Institute of Medical Sciences" is as under: -

Particulars	Details
PROPOSED PROJECT	"ALL INDIA INSTITUTE OF MEDICAL SCIENCES"
PROJECT CATEGORY	B1
ESTIMATED COST OF PROJECT	Rs. 588 Crores. (approx.)
ACTIVITIES IN THE PROJECT	Hospital Building including OPD and diagnostics, operation theatres (OT), ICU, patient rooms, AYUSH Building, Auditorium, Medical and Nursing college, UG, PG and Nurses Hostels, Residential buildings (Type –II, III, IV &

	Director Residence, Guest House, Shopping complex(s) & Night Shelter Service Buildings etc.
Plot Area (in sqm)	175 acre 1 kanal 12 marle (70.90.Ha.)
Ground Coverage (Permissible) (in sqm)	286727.87
Ground Coverage (Proposed) (in sqm)	40079.25
F.A.R (Permissible) (in sqm)	896025.00
Total F.A.R Proposed (Including basement) (in sqm)	128205
NON F.A.R (Mumty, Machine Room Area) (in sqm)	2330.27
Total Built-up area (in sqm)	130535.27
Green Area (in sqm)	121406.00
Open and Road Area (in sqm)	64373.00
Surface Parking Area	37662.00
No. of Floors	B+G+6
No. of Block	26
Level of Basement	1
Height of Building	29.85 m
No. of Beds	750
No. of Dwelling Units	107
Parking Required	1743 ECS
Parking Provision	1775 ECS
Source of Electricity	Punjab State Power Corporation Ltd. (PSPCL)
Electric Load	9000 KVA
DG Set Capacity	4 X 2000 KVA & 2 X 750 KVA
Stack height	Shall be provided as per CPCB norms
Location of DG Sets	At Surface with acoustic enclosure
Source of Water Supply	Municipal Supply.
Total Water Requirement	1528 KLD

Fresh Water Required	895(718+177) KLD
Wastewater Generation from STP from Hospital and Institute	513 KLD
Wastewater Generation from Residential & Hostel	190 KLD
Wastewater Generation from Laboratory	60 KLD
STP capacity (For Hospital and Institute)	620 KLD
STP capacity (For Residential & Hostel)	205 KLD
ETP capacity	75 KLD
Municipal solid Waste	7325 Kg/day
Bio Medical Waste	281 kg/day

➤ Land use Area Details :-

Land use	Area (sq m)	Percentage (%)
Ground coverage	40079.25	6%
Green Area	121406.00	17%
Road & Open Area	547524.22	77%
Total Plot area	709009.47	100

- During construction phase, Environment Management Plan proposed for Dust Mitigation Measures, Noise Management, Water Management and Solid Waste Management as under:-
- i) Dust mitigation measures shall be taken as per Environment (Protection) Amendment Rules, 2018
 - ii) Noise barriers shall be installed to reduce traffic noise & vibrations.
 - iii) All the construction activities are carried out during the daytime.
 - iv) All the machineries will be maintained regularly to reduce the noise level.
 - v) Plantation shall be developed along the periphery of the site.
 - vi) Run-off from the construction site shall not be allowed to flow out of the site
 - vii) 7 KLD of water shall be required for domestic use. Water shall be taken from STP treated water of nearby area through Tankers.
 - viii) Mobile toilets for construction labors shall be provided.
 - ix) 5 KLD of the sewage and waste water generated shall be discharged into soak pit via septic tank.
 - x) The debris of C&D material will be used in backfilling; roads etc. & rest will be sent to authorised C&D waste management site.

Water Management: -

Particulars	For Hospital & Institute block (KLD)	For Residential & Hostel Block (KLD)	Total (KLD)
Source of Water Supply	Municipal Supply		
Water Requirement	1180	348	1528
Waste water Generation	573	190	763
STP Capacity	620	205	825
STP Technology	MBR	MBR	-

- The treated waste water will be reused for Flushing, Gardening & Cooling purposes.
- Green belt/greenery will be developed along most of the periphery of the project area as well as along roads. Area under plantation will be 121406.00 sqm with trees and plants. The trees planted will have been of adequate height. The plantation/greenery programme will be completed, simultaneously along with the project.
- Storm water from the project site shall be channelized to storm water drainage.
- The main sources of the noise pollution will be D.G sets. DG sets of 4 X2000 KVA & 2 X 750 KVA will be installed in the hospital which shall be bought acoustically enclosed and shall meet the norms prescribed by CPCB. Planting of the trees at the boundary of the Hospital will help in reducing the level of the noise within the Complex.
- The hospital complex will go for GRIHA Rating and a Green Building uses an integrated approach to design so as to create resource-efficient and environment-friendly buildings. The following measure shall be adopted: -
 - Use of energy efficient & eco-friendly equipment.
 - Use of renewable source of energy.
 - Efficient use of water.
 - Use of non-toxic and recycled materials.
 - Recycling treated water from Sewage Treatment Plant [STP] for toilet flushing, cooling towers and landscaping.

- Water efficient plumbing fixtures will be used.
 - High performance double glazed glass in windows will be used.
 - Using insulation and high reflective material on roof top.
 - Using bricks made of fly ash, waste industrial material, which acts as insulating material for external walls.
- The Total population of Hospital are 13411 persons for which 7325 kg/day solid waste will be generated. The solid waste categories and disposal method is shown is given below:

a) Municipal Waste Management

Type of Waste	Colors of Bins	Category	Disposal Method	Total Waste (Kg/day)
Organic waste	Black	Bio Degradable	Given to authorized vendor	5128
Recyclable Items	Blue	Recyclable	Recycler	1831
Plastic waste	Green	Recyclable	Recycler	366
Total				7325 kg/day

b) Biomedical Waste Management

Type of Waste	No. of Beds	Disposal Method	Total quantity of Biomedical waste generated (Kg/day)
BIO-MEDICAL WASTE	750	Duly segregated and disinfected waste will be handed over to state Approved Biomedical Waste Service Provider for final disposal as per Bio-Medical Waste Management (Amendment) Rules, 2018.	281 Kg/day

c) Hazardous waste management

HAZARDOUS WASTE				
Type of Waste	Colors of Bins	Category	Disposal Method	Total Waste

Used Oil	Black with Label	Hazardous Waste	Waste shall be collected in leak proof containers at isolated place and will be given to approved vender of CPCB as per Hazardous Wastes (Management/ Handling/ Transboundary Movement) Rules, 2016	72 lit/month
E-waste	Black with Label	Hazardous Waste	E-Waste (Management & Handling) Rules, 2016	5Kg/Month

- The project proponent has submitted the proposed Terms of Reference (TORs).

To a query regarding site suitability of the project, the project proponent stated that 175 acre 1 kanal 12 marle (70.90.Ha.) of land has been allotted by Punjab Health and Family Welfare Department for development of Hospital complex. At present the land is vacant, there will be permanent change in land use from vacant land to Hospital complex after development of the Project development of the Project. The land will be kept reserved for designated use in the Master plan.

Further, the project proponent has requested to consider the study of significant environmental parameter which has already been started from 01/03/2018 to avoid monsoon season. The SEAC observed that request for utilizing the said baseline environment study for their project may be accepted in light of OM dated 22/08/14 issued by MoEF & CC.

After detailed deliberations in the matter, the SEAC decided to recommend to SEIAA to issue the following "Terms of Reference" to the project proponent for preparation of the EIA report:

Construction stage

1. The project falls under category **B-1** under item 8(b) Township and Area Development projects and requires an Environmental Impact Assessment Study for the entire site area.
2. Examine details of land use as per Master Plan and land use around 10 km radius of the project site. Analysis should be made based on latest satellite imagery for land use with raw images. Check on flood plain of any river.
3. Examine and submit the details of the environmental impacts at the stage of land acquisition including aspects such as displacement of families,

- rehabilitation, acquiring of agricultural/forest land, acquiring of ecologically important lands and water bodies.
4. Examine baseline environmental quality along with projected incremental load due to the project.
 5. Environmental data to be considered in relation to the project development would be (a) land, (b) groundwater, (c) surface water, (d) air, (e) bio-diversity, (f) noise and vibrations, (g) socio economic and health. However, the project proponent has to fill the prescribed field data sheets (available on website of SEIAA i.e. www.seiaapunjab.co.in) which are required to be attached with the analysis reports alongwith exact location of sampling / monitoring point marked on the layout map. Monitoring started for study of significant environmental parameter by project proponent from 01.03.2018 may be accepted
 6. Examine and submit the details of the environmental impacts due to change of land use and land cover including aspects such as hydrological characteristics, imperviousness of land and drainage pattern being altered.
 7. Action plan for the green belt development in 33 % area with not less than 1, 500 trees per ha. giving details of species, width of plantation, planting schedule post plantation and 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
 8. Submit the details of the trees to be felled for the project.
 9. Submit the present land use and permission required for any conversion such as forest, agriculture etc.
 10. Examine the details of Source of water, water requirement, use of treated waste water and prepare a water balance chart.
 11. Examine and submit impact due to ground water abstraction on ambient ground water on ambient ground water.
 12. Examine soil characteristics and depth of ground water table for rainwater harvesting.
 13. Examine and submit the details of the environmental impacts at the stage of construction of boundaries & fencing including its impact on the pattern of natural drainage and flooding pattern and barriers being constructed for restricting wildlife movement into project area.
 14. Examine and submit the details of the environmental impacts due to leveling and landscaping including aspects such as excavation & filling of soil, clearing of vegetation, change of topography, development of plantation, green belt, lawns & parks and development of impervious areas.
 15. Examine and submit the details of the environmental impacts due to excavation, transportation and filling of earth including aspects such as excavation, filling, sourcing, transportation and disposal of soil.

16. Examine and submit the details of the construction material to be used at the construction stage including aspects such as quarries and transportation, stone crushing and screening, mining & transportation of sand, soil excavation, transportation and filling.
17. Examine and submit the impacts being caused due to transportation of construction materials and men such as increase in traffic and load on public transportation facility, destruction and damage of transportation infrastructure, increase of risk due to road accident, pollution caused due to dust and tail pipe emissions and consumption of fuel by transport vehicles. A detailed traffic and transportation study should be made for existing and projected passenger and cargo traffic.
18. Examine and submit the details of the temporary housing and amenities to be created and used by the work force including aspects such as water supply, electrical energy and fuel supply.
19. Examine and submit the details of the environmental impacts at the stage of creation of roads, transportation facility and other physical infrastructure including aspects such as use of construction materials, excavation and /or filling of soil, generation of construction waste, creation of impervious surfaces, noise & suspended dust pollution and accidental risk.
20. Examine and submit the details of the noise pollution, air pollution, consumption of fuel and generation of scrap being caused due to operation and maintenance of construction machinery and equipment.
21. Examine and submit the details of the source and supply of water for construction activity.
22. Examine and submit the details of the source and quantity of power for construction activity.
23. Examine and submit the details of the fuel consumption, noise pollution, emissions of the exhaust gas, engine & coolant oil and batteries being discarded due to captive and emergency power generation.
24. Examine and submit the details of the handling of wastewater during construction including the domestic wastewater being generated from amenities.
25. Examine and submit the details of the environmental impacts at the stage of development of residential buildings, commercial, institutional and industrial infrastructure including aspects such as construction materials to be used, earth work (excavation and/or soil filling), generation of construction waste, lighting, HVAC units, waste generation from packaging, residual paints and chemicals and their cans, Generation of wooden, glass, metal and other scrap materials, plumbing and sanitary waste generation, creation of impervious surfaces, noise pollution, suspended dust pollution and risk of accidents.
26. Examine and submit the details of the environmental impacts due to the laying of the water supply system including aspects such as use of piping, fittings and pumps, water pumping stations, earth work and water treatment plant.

27. Examine and submit the details of the environmental impacts due to the laying of the sewerage and sewage treatment and disposal system including aspects such as use of construction material, piping, fittings and pumps, earth work, laying of sewers & manholes, sewage pumping stations and sewage treatment plant.
28. Examine and submit the details of the environmental impacts due to the laying of the storm water drainage system including aspects such as use of construction material, piping, fittings and pumps, earth work, storm drains, storm water inlets and catch basins and storm water outfalls.
29. Examine and submit the details of the environmental impacts due to the electrical power system and street lighting to be provided including aspects such as construction materials to be used, distribution lines, cables, control panels, transformers and meters.
30. Examine and submit details of use of solar energy and alternative source of energy to reduce the fossil energy consumption. Energy conservation and energy efficiency.
31. DG sets are likely to be used during construction and operational phase of the project. Emissions from DG sets must be taken into consideration while estimating the impacts on air environment. Examine and submit details.
32. Details of proposed layout clearly demarcating various activities such as security, Waste Storage Rooms, Waste Treatment Equipment Rooms/Areas, Treated Waste Storage Room, Pollution Control Devices like APCS and ETP, ash storage/disposal area, vehicle washing areas, and others such as admin area, worker's room, health centers, greenbelt, etc.
33. Details of waste storage facilities/rooms at site.
34. Details of the existing access road(s)/walkways to the designed operations in the site and its layout.

B. Operation stage

1. Examine and submit the details of the environmental impacts due to the residential, commercial, institutional, industrial, recreational, social, cultural & religious activities to be carried out.
2. Examine and submit the details of the environmental impacts due to the facilities to be provided such as water supply, electrical power supply, fuel supply & consumption including LPG, transportation and communication.
3. Examine and submit the details of the environmental impacts due to the sewerage & sewage treatment and its disposal systems and storm water & its drainage system.
4. Examine and submit the details of the environmental impacts caused due to the generation of captive power & emergency power.

5. Submit the details of the management & handling of municipal solid waste, Bio medical waste, e-waste, hazardous waste, scrap, estate management, construction and demolition waste management.
6. Submit the details of the socio economic impact due to the employment to be generated from the household activities.
7. Rain water harvesting proposals should be made with due safeguards for ground water quality. Maximize recycling of water and utilization of rain water. Examine details.
8. Details of flue gas emissions discharge through stack and proposed pollution control technologies.
9. Examine the traffic study of the area, traffic near the entry and exit points from the roads adjoining the proposed project site, type of vehicles, frequency of vehicles for transportation of materials, additional traffic due to proposed project, road width, parking arrangement, no public space to be utilized for parking etc. Scope of the traffic study & analysis shall include all the new projects and existing projects coming up in the area/ vicinity simultaneously with the proposed project under consideration. The detail traffic management plan shall be submitted.

C. General

1. Other details as indicated in Appendix III of EIA Notification 2006 and the manual titled as "EIA guidance Manual-Building, Construction, Township and area Development projects" published by the Ministry of Environment & Forests, New Delhi, should also be attended.
2. Environmental aspects identified under some of the project activities may not be comprehensive and some of the significant aspects under some of the activities of the project in question might not have been identified. All such environmental aspects may be added to the list.
3. Some of the activities with their associated environmental aspects of the project in question might be of significant magnitude and not included in the list project activities. All such activities may be added to the list of project activities.
4. The project proponent may add additional project activities and environmental aspects, if any, fill the impact matrix (copy attached) and carryout significance analysis for identifying the significant environmental aspects. Scale, sensitivity and duration of impacts; type, size and frequency of environmental aspects; applicable legal requirements; and concerns of interested parties and local public may be used as the basis for the significance analysis of the environmental aspects.
5. In the EIA study each of the environmental aspects listed in the TOR should be quantified, their positive and negative impacts on different areas of impacts should be identified and assessed and the results of such assessment should be reported in the EIA report.

6. In the Environment Management Plan, management of each of the significant environmental aspects (with identified and assessed significant environmental impacts) for mitigating the impacts should be objectively stated.
7. Submit Roles and responsibility of the developer etc. for compliance of environmental regulations under the provisions of EP Act.
8. Ground water classification as per the Central Ground Water Authority.
9. Environment Management Plan should include technical and institutional aspects for pre-treatment by constituent units.
10. Environmental Management Plan should be accompanied with Environmental Monitoring Plan and environmental cost and benefit assessment. The cost of the Project (capital cost and recurring cost) as well as the cost towards implementation of EMP should be clearly spelt out.
11. Examine separately the details for construction and operation phases both for Environmental Management Plan and Environmental Monitoring Plan with cost and parameters.
12. Submit details of a comprehensive Disaster Management Plan including emergency evacuation during natural and man-made disaster.
13. Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given
14. 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.
15. Does the Environment policy prescribe for standard operating process / procedures to bring into focus any infringement / deviation / violation of the environmental or forest norms / conditions? If so, it may be detailed in the EIA.
16. What is the hierarchical system or Administrative order of the company to deal with the environmental issues and for ensuring compliance with the EC conditions. Details of this system may be given.
17. 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 should be detailed in the EIA report.
18. Delineate the concrete proposal regarding activities to be undertaken under Corporate Social Responsibility programme, which should be long lasting in nature and should be as per the needs of a particular Village/area/ local habitats/ stakeholders to be adopted by the promoter company, which can be done by involving a person having knowledge and experience of socio-economic activities.
19. Details of the proposed overall safety and health protection measures.

Specific TOR

- 1) The project proponent will submit a copy of the 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, whichever is applicable.
- 2) Examine the establishment of the facility keeping in view of Bio Medial Waste Management Rules, 2016
- 3) Submit radioactive waste management programme to be followed at site to mitigate the effects coming out due to use of Atomic radiations in different equipment.

The aforesaid 'Terms of Reference' will be valid for a period of three years from its issuance. The project proponent should prepare rapid EIA / EMP Report for its project based on above Terms of Reference and submit the same to the SEIAA for its appraisal.

Item No.166.19: Application for issuance of TORs for carrying out EIA study for obtaining revised Environmental clearance under EIA notification dated 14.09.2006 for development of Township and Area Development Project namely "IT City" having an area of 709.82 hectrare (7098226.62 sqm) in the Sector 66-B, 82-A, 83-A, 101-A Mohali (Punjab) by Greater Mohali Area Development Authority. (Proposal No. SIA/PB/NCP /25677/2018)

The SEAC observed that:

Earlier, the project proponent has obtained Environmental Clearance vide no SEIAA/2634 dated 30.08.2014 for development of a Township namely "Knowledge Park" in Sector 66-B, 82-A, 83-A, 101-A Mohali with certain conditions.

The project proponent submitted an aapplication for issuance of TORs for carrying out EIA study for obtaining revised Environmental clearance under EIA notification dated 14.09.2006 for development of Township and Area Development Project namely "IT City" having an area of 709.82 hectare (7098226.62 sqm) in the Sector 66-B, 82-A, 83-A, 101-A Mohali (Punjab). The project proponent submitted the Form 1, Form 1A and other document.

- The project proponent has submitted the proposed Terms of Reference (TORs).

The case was considered by the SEAC in its 166th meeting held on 24.05.2018, which was attended by the following on behalf of the project proponent:

- (i) Sh. Vasudev Anand, XEN (PH-I), GMADA.
- (ii) Sh. Ravinder Singh Gill, Planning officer O/o DTP, SAS Nagar.
- (iii) Sh. Yogesh Poonia, Sr. Environmental Engineer from M/s Global Management & Engineering Consultants International, Jaipur (Rajasthan), Environment consultant of the promoter company.

Environment consultant of the promoter company presented the salient features of the project as under:-

- Greater Mohali Area Development Authority (GMADA) had obtained the Environmental Clearance from SEIAA, Punjab for the development of Township and Area Development project namely "IT City" enclosing an area of 709.82 acres (7098226.62 sq. m.).
- Environmental Clearance was accorded in the year 2014 vide letter no SEIAA/2014/2634 dated 30-8-2014 for the following categories as per layout plan bearing drawing no. D.T.P. (SAS Nagar) 785/13 dated 21-01-2013.
 - i) Residential area
 - ii) Commercial area
 - iii) Institutional area
 - iv) Non- polluting IT industries.
- GMADA Authority has revised its layout plan approved on 10/01/2018 bearing no D.T.P. (SAS Nagar) 2315/18 and has change the land use pattern with including Green & Orange industry. Therefore, in view of inclusion of green and orange industry, application for obtaining revised E.C for namely "IT City" has been submitted.
- The proposed project is planned to be develop over an area of 676.92 Ha. (1672.71 Acres) parking space and other facilities will be provided. Development of greenbelt has been planned over an area of 74.67 Ha. of land.
- The brief detail of the project is as under :

S. No.	Particulars	Details
1.	Name of the Project	Revised Environmental Clearance for proposed development of Township Area namely "IT City"

		At Sector 66-B, 82-A, 83-A, 101-A Mohali (Punjab)
2.	Project/Site Area	676.92 hectares (1672.71 Acres)
3.	Category of the Project	Township and area Development Project, Category 'A' [(As per 14.09.2006 Notification & Amendments, Project or Activity-8 (B))]
4.	Type of Units in proposed Township.	(a) Residential area (b) Commercial area (c) Institutional area (d) Non- polluting IT industries (e) Green Category Industries (f) Orange Category Industries
5.	Water Requirement and Source	Total water demand: ~30.36 MLD Fresh Water demand: ~14.57 MLD Treated water reuse: ~15.79 MLD Source: Bore well and water Canal supply
6.	STP Capacity	25 MLD (12.5 MLD + 12.5 MLD)
7.	Domestic Solid Waste	47187.9 Kg/day
8.	Power Requirement & Source	Construction Phase: 10 KVA Operational Phase: 141 MVA (Source: Punjab State Power Corporation Ltd.)
9.	Parking	Parking area has been proposed as building rules, Govt. Of Punjab, 2013
10.	Green Area (sq. m.)	2402740.06 sq. m. (about 35% of total project area)

➤ The project land use detail is under:-

Area Detail:-	
Total area of the Scheme = 1722.00 Acs.	
Area under Village Chau Majra = 27.17 Acs.	
Area under Village Saini Majra = 4.14 Acs.	
Area under Existing structure of Saini Majra = 2.76 Acs.	
Area under Village Rurka = 15.22 Acs.	
Net Planned Area = 1672.71 Acs.	
Area under I.T., Green Industry & Ware house = 211.27 Acs.	
Area under University	= 50.12 Acs.
Area under P.S.I.E.C.	= 10.00 Acs.
Area under Group Housing (6)	= 37.02 Acs.
Area under Commercial	= 81.97 Acs.
Area reserved for Mixed Use	= 28.65 Acs.
Area under Residential Plotted	= 228.48 Acs.
Area under E.W.S.	= 39.44 Acs.
(5.19 % of Residential Provided)	
Area reserved for Institutions	= 29.49 Acs.
Area reserved for Public Buildings	= 12.09 Acs.
Area under Preparatory school-1	= 1.00 Acs.
Area under School-2	= 4.10 Acs.
Area under School-3	= 5.00 Acs.
Area under Hospital/Health centre-1	= 2.63 Acs.
Area under Dispensary-1	= 1.72 Acs.

Area under dispensary-2	= 1.15 Acs.
Area under Community Centre	= 1.81 Acs.
Area under Sports Complex-1	= 1.94 Acs.
Area under Club and Sports complex-2	= 3.50 Acs.
Area under Fire Station	= 1.00 Acs.
Area under Police Station -1	= 2.00 Acs.
Area under Police Station -2	= 1.17 Acs.
Area under Petrol Pump (8)	= 3.326 Acs.
Area under Reserved	= 75.359Acs.
Area reserved for Industry	= 84.89 Acs.
Area under Bus Stand	= 6.05 Acs.
Area under Booking Agencies, Parking & Weigh Bridge	= 1.56 Acs.
Area under Labour Shed & Public Utility	= 0.42 Acs.
Area under Social Cause Facility	= 0.57 Acs.
Ar. under Gurudwara & Public parking	= 2000 sq.yds.
Area reserved for E.G.S. (2 sites)	= 7.91Acs.
Area reserved for Water Works	= 2.16 Acs.
Area under Green Park,Choe Reserve &50m wide green buffer	= 136.966 Acs.
Area under S.T.P.	= 7.00 Acs.
Remaining Area under Roads, Green buffers,choe and Open spaces etc.	= 590.539Acs.

Total area = 1672.71 Acs. Requirement and Provided					
Industry Required	Industry Provided	Commercial Required	Commercial Provided	Residential	Residential Provided
Minimum 40 %	746.17 Acs. (44.61 %)	Maximum 25 %	166.75 Acs. (9.97 %)	Balance	759.79 Acs. (45.42 %)

Green Industry and warehouse uses (Except for storage of chemical and hazardous items) Plots Detail in (101-Alpha)				
Sr. No.	Area of the plot	Total No. of the plot carved out	Reserved Plots	Balance Plots
1	1000 sq.yds.	72	11	61
2	500 sq.yds.	194	39	155
	Total Plots	263	48	215

Further, the project proponent has requested to consider the study of significant environmental parameter which has already been started from 10/03/2018 to avoid monsoon season. The SEAC observed that request for utilizing the said baseline environment study for their project may be accepted in light of OM dated 22/08/2014 issued by MoEF & CC..

After detailed deliberations in the matter, the SEAC decided to recommend to SEIAA to issue the following "Terms of Reference" to the project proponent for preparation of the EIA report:

Construction stage

1. The project falls under category **B-1** under item 8(b) Township and Area Development projects and requires an Environmental Impact Assessment Study for the entire site area.
2. Examine details of land use as per Master Plan and land use around 10 km radius of the project site. Analysis should be made based on latest satellite imagery for land use with raw images. Check on flood plain of any river.
3. Examine and submit the details of the environmental impacts at the stage of land acquisition including aspects such as displacement of families, rehabilitation, acquiring of agricultural/forest land, acquiring of ecologically important lands and water bodies.

4. Examine baseline environmental quality along with projected incremental load due to the project.
5. Environmental data to be considered in relation to the project development would be (a) land, (b) groundwater, (c) surface water, (d) air, (e) bio-diversity, (f) noise and vibrations, (g) socio economic and health. However, the project proponent has to fill the prescribed field data sheets (available on website of SEIAA i.e. www.seiaapunjab.co.in) which are required to be attached with the analysis reports alongwith exact location of sampling / monitoring point marked on the layout map. Monitoring started for study of significant environmental parameter by project proponent from 10.03.2018 may be accepted
6. Examine and submit the details of the environmental impacts due to change of land use and land cover including aspects such as hydrological characteristics, imperviousness of land and drainage pattern being altered.
7. Submit the details of the trees to be felled for the project.
8. Action plan for the green belt development in 33 % area with not less than 1, 500 trees per ha. giving details of species, width of plantation, planting schedule post plantation and 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.
9. Submit the present land use and permission required for any conversion such as forest, agriculture etc.
10. Examine the details of Source of water, water requirement, use of treated waste water and prepare a water balance chart.
11. Examine and submit impact due to ground water abstraction on ambient ground water on ambient ground water.
12. Examine soil characteristics and depth of ground water table for rainwater harvesting.
13. Examine and submit the details of the environmental impacts at the stage of construction of boundaries & fencing including its impact on the pattern of natural drainage and flooding pattern and barriers being constructed for restricting wildlife movement into project area.
14. Examine and submit the details of the environmental impacts due to leveling and landscaping including aspects such as excavation & filling of soil, clearing of vegetation, change of topography, development of plantation, green belt, lawns & parks and development of impervious areas.
15. Examine and submit the details of the environmental impacts due to excavation, transportation and filling of earth including aspects such as excavation, filling, sourcing, transportation and disposal of soil.
16. Examine and submit the details of the construction material to be used at the construction stage including aspects such as quarries and transportation, stone crushing and screening, mining & transportation of sand, soil excavation, transportation and filling.

17. Examine and submit the impacts being caused due to transportation of construction materials and men such as increase in traffic and load on public transportation facility, destruction and damage of transportation infrastructure, increase of risk due to road accident, pollution caused due to dust and tail pipe emissions and consumption of fuel by transport vehicles. A detailed traffic and transportation study should be made for existing and projected passenger and cargo traffic.
18. Examine and submit the details of the temporary housing and amenities to be created and used by the work force including aspects such as water supply, electrical energy and fuel supply.
19. Examine and submit the details of the environmental impacts at the stage of creation of roads, transportation facility and other physical infrastructure including aspects such as use of construction materials, excavation and /or filling of soil, generation of construction waste, creation of impervious surfaces, noise & suspended dust pollution and accidental risk.
20. Examine and submit the details of the noise pollution, air pollution, consumption of fuel and generation of scrap being caused due to operation and maintenance of construction machinery and equipment.
21. Examine and submit the details of the source and supply of water for construction activity.
22. Examine and submit the details of the source and quantity of power for construction activity.
23. Examine and submit the details of the fuel consumption, noise pollution, emissions of the exhaust gas, engine & coolant oil and batteries being discarded due to captive and emergency power generation.
24. Examine and submit the details of the handling of wastewater during construction including the domestic wastewater being generated from amenities.
25. Examine and submit the details of the environmental impacts at the stage of development of residential buildings, commercial, institutional and industrial infrastructure including aspects such as construction materials to be used, earth work (excavation and/or soil filling), generation of construction waste, lighting, HVAC units, waste generation from packaging, residual paints and chemicals and their cans, Generation of wooden, glass, metal and other scrap materials, plumbing and sanitary waste generation, creation of impervious surfaces, noise pollution, suspended dust pollution and risk of accidents.
26. Examine and submit the details of the environmental impacts due to the laying of the water supply system including aspects such as use of piping, fittings and pumps, water pumping stations, earth work and water treatment plant.
27. Examine and submit the details of the environmental impacts due to the laying of the sewerage and sewage treatment and disposal system including aspects such as use of construction material, piping, fittings and pumps, earth work,

laying of sewers & manholes, sewage pumping stations and sewage treatment plant.

28. Examine and submit the details of the environmental impacts due to the laying of the storm water drainage system including aspects such as use of construction material, piping, fittings and pumps, earth work, storm drains, storm water inlets and catch basins and storm water outfalls.
29. Examine and submit the details of the environmental impacts due to the electrical power system and street lighting to be provided including aspects such as construction materials to be used, distribution lines, cables, control panels, transformers and meters.
30. Examine and submit details of use of solar energy and alternative source of energy to reduce the fossil energy consumption. Energy conservation and energy efficiency.
31. DG sets are likely to be used during construction and operational phase of the project. Emissions from DG sets must be taken into consideration while estimating the impacts on air environment. Examine and submit details.

B. Operation stage

1. Examine and submit the details of the environmental impacts due to the residential, commercial, institutional, industrial, recreational, social, cultural & religious activities to be carried out.
2. Examine and submit the details of the environmental impacts due to the facilities to be provided such as water supply, electrical power supply, fuel supply & consumption including LPG, transportation and communication.
3. Examine and submit the details of the environmental impacts due to the sewerage & sewage treatment and its disposal systems and storm water & its drainage system.
4. Examine and submit the details of the environmental impacts caused due to the generation of captive power & emergency power.
5. Submit the details of the management & handling of municipal solid waste, e-waste, hazardous waste, scrap, estate management, construction and demolition waste management.
6. Submit the details of the socio economic impact due to the employment to be generated from the household activities.
7. Rain water harvesting proposals should be made with due safeguards for ground water quality. Maximize recycling of water and utilization of rain water. Examine details.

C. General

1. Other details as indicated in Appendix III of EIA Notification 2006 and the manual titled as "EIA guidance Manual-Building, Construction, Township and area Development projects" published by the Ministry of Environment & Forests, New Delhi, should also be attended.

2. Environmental aspects identified under some of the project activities may not be comprehensive and some of the significant aspects under some of the activities of the project in question might not have been identified. All such environmental aspects may be added to the list.
3. Some of the activities with their associated environmental aspects of the project in question might be of significant magnitude and not included in the list project activities. All such activities may be added to the list of project activities.
4. The project proponent may add additional project activities and environmental aspects, if any, fill the impact matrix (copy attached) and carryout significance analysis for identifying the significant environmental aspects. Scale, sensitivity and duration of impacts; type, size and frequency of environmental aspects; applicable legal requirements; and concerns of interested parties and local public may be used as the basis for the significance analysis of the environmental aspects.
5. In the EIA study each of the environmental aspects listed in the TOR should be quantified, their positive and negative impacts on different areas of impacts should be identified and assessed and the results of such assessment should be reported in the EIA report.
6. In the Environment Management Plan, management of each of the significant environmental aspects (with identified and assessed significant environmental impacts) for mitigating the impacts should be objectively stated.
7. Submit Roles and responsibility of the developer etc. for compliance of environmental regulations under the provisions of EP Act.
8. Ground water classification as per the Central Ground Water Authority.
9. Environment Management Plan should include technical and institutional aspects for pre-treatment by constituent units.
10. Environmental Management Plan should be accompanied with Environmental Monitoring Plan and environmental cost and benefit assessment. The cost of the Project (capital cost and recurring cost) as well as the cost towards implementation of EMP should be clearly spelt out.
11. Examine separately the details for construction and operation phases both for Environmental Management Plan and Environmental Monitoring Plan with cost and parameters.
12. Submit details of a comprehensive Disaster Management Plan including emergency evacuation during natural and man-made disaster.
13. Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given
14. 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.

15. Does the Environment policy prescribe for standard operating process / procedures to bring into focus any infringement / deviation / violation of the environmental or forest norms / conditions? If so, it may be detailed in the EIA.
16. What is the hierarchical system or Administrative order of the company to deal with the environmental issues and for ensuring compliance with the EC conditions. Details of this system may be given.
17. 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 should be detailed in the EIA report.
18. Delineate the concrete proposal regarding activities to be undertaken under Corporate Social Responsibility programme, which should be long lasting in nature and should be as per the needs of a particular Village/area/ local habitats/ stakeholders to be adopted by the promoter company, which can be done by involving a person having knowledge and experience of socio-economic activities.
19. Study to be carried out shall include expansion related issues like structural safety (in case there is increase in number of storey), specifying the adequacy of existing internal water supply system, sewer line & STP for the proposed expansion. The existing building plan shall be superimposed with the proposed building plan for expansion projects and marked with different colors.

Additional Specific TOR

- 1) The project proponent will submit a copy of the 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, whichever is applicable.

The aforesaid 'Terms of Reference' will be valid for a period of three years from its issuance. The project proponent should prepare rapid EIA / EMP Report for its project based on above Terms of Reference and submit the same to the SEIAA for its appraisal.

Item No.166.20: Application for issuance of TORs for carrying out EIA study for obtaining Environmental clearance under EIA notification dated 14.09.2006 for expansion of Steel Manufacturing Unit namely "Punjab Steels" at Village Tooran, Amloh Road, Tehsil Amloh, Distt. Fatehgarh Sahib, Punjab by M/s. Punjab Steels (Proposal no SIA/PB/IND/22215/2018)

The SEAC observed that:-

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

On scrutiny the application, it was observed that the existing capacity of the industrial unit is 115 TPD with two Induction Furnaces of capacity 4 TPH and 6 TPH respectively. Thus, the project proponent is required to submit the following:-

- Details of furnace capacity & electric load available at that time with documentary evidence and justify that capacity of the furnace at that time was less than 30, 000 TPA. The project proponent is required to justify that project at any stage has not violated the provisions of EIS notification, 1994, EIA notification dated 14.09.2006 and its amendments.

The project proponent has submitted reply to aforesaid essential details sought online as under: -

Year of Est.	Capacity of Furnace	Power Load	Total Prod.	Whether covered Under EIA notification or not?
05.05.2001	4TPH; One Induction Furnace	2200 KW	45 TPD	The Industry does not cover under EIA notification S.O. 1533(E) dated 14.09.2006 because the capacity of induction furnace is less than 5 TPH.
20.11.2007	4TPH & 6TPH; Two Induction Furnaces	5900 KW	115 TPD	The industry does not cover under EIA notification S.O. 3067(E) dated 01.12.2009 because the production capacity of the Industry was < 30, 000 TPA.
2012	4TPH & 6TPH; Two Induction Furnaces & rolling Mill	8250 KW	115 TPD	
The actual production for financial year 2016-17 was 28324 MT.				

Further, it has been observed that the project proponent has submitted

a memo no 1324 dated 17/06/2015 issued by the General Manager, District Industries Centre, Mandi Gobindgarh regarding Amendment in EM Part-II, which is placed below.

Memo No: 1324
Dated: 17/06/15

Subject: Amendment in EM Part-II.

In reference to above Amendment Letter and as per information / record given by you, it is to inform you that following correction / modification / amendments in the EM Acknowledgement No: 03/008/12/00275, PART-II, Dated: 9.12.2014 has been taken on record.

	EM No.	Sr. No.	Page No. of Register	Date of issue	AsPer EM Issued	Addition	Total
item	03/008/12/00275	275	29	9.12.14	Steel Ingots, Rounds	TMT Bar	Steel Ingots, Rounds, TMT Bar
Capacity	03/008/12/00275	275	29	9.12.14	30000MT (Steel Ingots) 20000MT (Rounds)	15000MT	65000MT

This may be kept attached with the original acknowledgement No: 03/ 008/ 12/ 00275, PART-II, Dated: 9.12.2014.

The case was placed in the agenda of 164th meeting of SEAC held on 10.04.2018 but could not be taken up due to paucity of time and was deferred.

The case was considered by SEAC in its 165th meeting held on 21.04.2018, which was attended by the following on behalf of project proponent:

- (i) Sh. Pawan Garg, Authorized Signatory of the Promoter Company.
- (ii) Smt Priyanka Madan, M/s ECO laboratories & Consultants Pvt. Ltd.,
Environment consultant of the promoter company

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

The case was considered by the SEAC in its 166th meeting held on 24.05.2018, which was attended by the following on behalf of the project proponent:

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

Before allowing the presentation, SEAC asked to the project proponent to prove that it has not violated the provisions of EIA notification, 1994, EIA notification dated 14.09.2006 and its amendments at any stage and submit documentary evidence in this regard. In reply to this query, the project proponent submitted requested letter dated 24.05.2018 along with Annexure 1 to 7, which was taken on record by the SEAC. In the request letter, the project proponent submitted the timeline of the events involved are as follows:

- 1) Consent to Establish (CTE) was obtained from PPC'B in 1998 for installation of one Induction Furnace of capacity 4TPH with power load 2199.93 KW having production capacity 45TPD.
- 2) Site Approval was obtained from Deptt of Labour & Employment vide letter dated 26.3.2001.
- 3) Consent to Operate was obtained from PPCB vide dated 04.12.2001 for installation of one Induction Furnace of capacity 4TPH.
- 4) SAC-cum-SCA approval was obtained from Competent Authority vide dated 30.5.2003 for adding one additional Induction Furnace of capacity 6 TPH to its existing one Induction Furnace of capacity 4 TPH.
- 5) Application was filed to PSPCL vide application No 61313 for additional Power Load for installation of additional Induction Furnace of capacity 6 TPH.
- 6) A letter was received in reference to filed application from PSPCL dated 28/01/2004. The payment for the same was submitted vide fee receipt dated 29.04.2004.
- 7) A letter was received from PSPCL vide Memo No. 5353/Indl-134/KHN dated 19.08.2004 for additional charges to be paid .

- 8) invoices and Test Certificates for installation & commissioning of transformer(s) and allied components for power distribution in 2005 are also submitted.
- 9) The power load permission was in process and finally the approval for power load was obtained on 07.09.2007.
- 10) Clearance certificate for the release of power load from PPCB vide letter dated 20.11.2007 is also submitted.

Thus, it clearly validates that the planning, design, implementation process of installation of additional Induction Furnace was initiated in 2004 i.e. prior to release of EIA Notification dated 14th September 2006. Thus, the project is not under the purview or any violation under the before said notification.

Keeping in view, the above facts and supporting documents, project proponent requested to issue TOR for conducting ETA study at the earliest possible.

After carefully examining the above said document, SEAC observed that the project proponent has started the process of installation of additional Induction Furnace prior to release of EIA Notification dated 14th September 2006. Thus, it is not a case of violation and allowed environmental consultant to present the salient features of the project, which be presented as under: -

- Punjab Steels is an existing steel manufacturing unit established in year 2001 located at Village Tooran, Amlah Road, Tehsil Amlah, Distt. Fatehgarh Sahib, Punjab
- Consent to Operate has been granted vide dated 18.11.2015 and valid till 31.03.2020.
- Authorization for Hazardous Waste has been Granted vide Letter No. HWM/FGS/2016 /4597614 dated 08.11.2016; valid till 31.03.2021.
- The Partners of the Punjab Steels are as under: -
 1. Mr. Chander Parkesh Mittal
 2. Mr. Rajesh Kumar Mittal (Authorized Signatory)
- The details of the existing and proposed features of project are given in the tabulated form as under: -

S. No.	PARTICULARS	EXISTING	AFTER EXPANSION
A	EXISTING & PROPOSED CAPACITY OF FURNACES		
1	Induction Furnace	2 nos. induction furnace one of 4 TPH and another of 6 TPH capacity	2 nos. induction furnace 15 TPH each
B	PRODUCTS		
1	MS ingots/ TMT Bars	115 TPD	330 TPD
C	RAW MATERIAL		
1	MS Scrap (MTD)	121	340
2	Ferro Alloys (MTD)	1	2.7
3	Ferro Silicon/ Aluminum (MTD)	0.2	0.5
D	GENERALS		
1	Project Cost (Crores)	8.07	9.77
2	Land (sqm)	14. 033 (3.46 acres)	14. 033 (3.46 acres)
3	Power (KW)	8, 249.733	9, 000
4	DG SET (KVA)	125 (1 nos.)	125 (2 nos.)
5	Manpower (nos)	60	80
E.	WATER REQUIREMENT through two Bore well (2 No.).		
1.	Domestic	5 KLD	5 KLD
2.	Cooling Water	65 KLD	191 KLD
	Total	70 KLD	196 KLD

- No Wild Life Sanctuaries, Reserved /Protected Forests or Defense Installations, Rivers and Hill Ranges within 10 km of the project.
- As per the Master plant, the project falls under industrial zone adjoining to medium density residential area (RD-2) as per the master plan of Mandi Gobindgarh, Punjab. The land is already in use for industrial purposes. There will be no change in the land use as the unit is an existing industry. For expansion, no further land will be acquired
- No industrial effluent is being generated from the existing industrial unit and even, after expansion, no industrial effluent will be generated.
- About 4.0 KLD Domestic wastewater is treated in the septic tank provided within the project premises and After expansion, the quantity of domestic effluent is estimated to be 4 KLD and the same will be treated in the in STP of

capacity 5 KLD..

- The existing quantity of broken refractories generated is 300 kg/day and is disposed of in a landfill. Total quantity of broken refractories after expansion will be 861 kg/day TPD and will be disposed off in a landfill.
- 13 kg/day of domestic solid waste is being generated from the existing project & after expansion approx. 18 kg/day of domestic waste will be generated, which will be properly collected and segregated into biodegradable and non-biodegradable waste. The solid waste is being disposed off as per MSW (Management & Handling) Rules, 2016.
- Hazardous waste under category 35.1 of Schedule I @ 7.8 MT/annum is generated and after expansion 22.3 MT/annum will be generated and same will be sent to TSDF site for final disposal.
- For the existing unit, the air pollution control device i.e. Bag house filters at the induction furnace of capacity 4.0 TPH and Twin Cyclone followed with Bag Filter with induction furnace of capacity 6.0 TPH have been provided. For proposed unit, Cyclone followed by Bag Filter as APCD's will be provided.
- Environmental Consultant of the Promoter industry proposed the Standard TORs prescribed by the MoEF & CC.

The SEAC observed that besides TORs already being specified in such projects, a following additional point is required to be taken care of while preparing EIA report:-

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

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

- A. Executive Summary
- B. Introduction

- a) Details of the EIA Consultant including NABET accreditation
 - b) Information about the project proponent
 - c) Importance and benefits of the project
- C. 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. Examine & submit the impacts of providing multi cyclone as additional APCD before proposed APCD i.e. Bag Filters.
 - vii. Requirement of water (breakup for induction and rolling mill) power, with source of supply, status of approval, water balance diagram, manpower 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.
- D. Expansion/modernization proposals:
- i. 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.
 - ii. 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.
 - iii. Examine and submit impact due to ground water abstraction on ambient ground water on ambient ground water.
 - iv. Permission from CGWA for abstraction of ground water shall be submitted during submission of its EIA report.
 - v. Separate Air Pollution Control Devices will be installed for proposed new equipment i.e. Laddle Furnace & Vacuum Degasser or any other.
 - vi. STP will be provided inside the premises for treatment of domestic waste water as manpower will increase significantly after expansion. Treated

waste water will be will be used for green belt development and cooling purpose as make up water.

E. Site Details

- xiii. 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.
- xiv. A topo sheet of the study area of radius of 10 km and site location on 1:50, 000/1:25, 000 scale on an A3/A2 sheet. (Including all eco-sensitive areas and environmentally sensitive places)
- xv. Co-ordinates (lat-long) of all four corners of the site.
- xvi. Google map-Earth downloaded of the project site
- xvii. Layout maps indicating existing unit as well as proposed unit indicating storage area, plant area, greenbelt area, utilities etc. If located within an Industrial area/Estate/Complex, layout of Industrial Area indicating location of unit within the Industrial area/Estate.
- xviii. Photographs of the proposed and existing (if applicable) plant site. If existing, show photographs of plantation/greenbelt, in particular.
- xix. 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)
- xx. 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.
- xxi. Geological features and Geo-hydrological status of the study area shall be included.
- xxii. 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)
- xxiii. Status of acquisition of land. If acquisition is not complete, stage of the acquisition process and expected time of complete possession of the land.
- xxiv. R&R details in respect of land in line with state Government policy

F. 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.

G. 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 PMI 0, PM2.5, SO₂, NO_x, CO and other parameters relevant to the project shall be collected. The monitoring stations shall be based CPCB guidelines and take into account the pre dominant wind direction, population zone and sensitive receptors including reserved forests.
- iii. Raw data of all AAQ measurement for 12 weeks of all stations as per frequency given in the NAQQM Notification of Nov. 2009 along with - min., max., average and 98% values for each of the AAQ parameters from data of all AAQ stations should be provided as an annexure to the EIA Report.
- iv. Surface water quality of nearby River (60m upstream and downstream) and other surface drains at eight locations as per CPCB/MoEF & CC guidelines. Whether the site falls near to polluted stretch of river identified by the CPCB/MoEF & CC.
- v. Ground water monitoring at minimum at 8 locations shall be included. Ground water monitoring should be done for heavy metals in addition to routine parameters. At least three samples i.e. one from within the premises and two from outside the premises of the project.
- vi. Noise levels monitoring at 8 locations within the study area.
- vii. Soil Characteristic as per CPCB guidelines.
- viii. Traffic study of the area, type of vehicles, frequency of vehicles for transportation of materials, additional traffic due to proposed project, road width, parking arrangement etc. Areas within the premises meant for the movement of vehicles and around the weigh bridge should be paved. Scope of the traffic study & analysis shall include all the new projects and existing projects coming up in the area/ vicinity simultaneously with the proposed project under consideration.

- ix. 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.
- x. Socio-economic status of the study area.

H. 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. Use of treated domestic water as makeup cooling water should be examined and submitted.
- 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 ha. giving details of species, width of plantation, planting schedule post plantation and 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 plant site and outside the area of project site shall be submitted to harvest rainwater from the roof tops and storm water drains to recharge the ground water and also to use for the various activities at the project site to conserve fresh water and reduce the water requirement from other sources.
 - xi. Total capital cost and recurring cost/annum for environmental pollution control measures shall be included.
 - xii. Action plan for post-project environmental monitoring shall be submitted.
 - xiii. Onsite and Offsite Disaster (natural and Man-made) Preparedness and Emergency Management Plan including Risk Assessment and damage control. Disaster management plan should be linked with District Disaster Management Plan.
 - xiv. Examine and submit the proposal for:-
 - a) Recovery of iron from slag before disposing it off.
 - b) Identify the areas for disposal of slag in scientific manner and study the alternate uses of slag.
 - c) Use of APCD dust and slag for recovery of zinc and lead.
- I. Occupational health
- i. Details of existing Occupational & Safety Hazards. What are the exposure levels of above mentioned hazards and whether they are within Permissible Exposure level (PEL). If these are not within PEL, what measures the company has adopted to keep them within PEL so that health of the workers can be preserved,
 - ii. Details of exposure specific health status evaluation of worker. If the workers' health is being evaluated by pre designed format, chest x rays, Audiometry, Spirometry, Vision testing (Far & Near vision, colour vision and any other ocular defect) ECG, during pre placement and periodical examinations give the details of the same. Details regarding last month analyzed data of abovementioned parameters as per age, sex, duration of exposure and department wise.
 - iii. Annual report of health status of workers with special reference to Occupational Health and Safety.
 - iv. Plan and fund allocation to ensure the occupational health & safety of all contract and casual workers.
- J. Corporate Environment Policy
- i. Does the company have a well laid down Environment Policy approved by its Board of Directors? If so, it may be detailed in the EIA report.
 - ii. Does the Environment Policy prescribe for standard operating process / procedures to bring into focus any infringement / deviation / violation of the environmental or forest norms / conditions? If so, it may be detailed in the EIA.
 - iii. What is the hierarchical system or Administrative order of the company to deal with the environmental issues and for ensuring compliance with the environmental clearance conditions? Details of this system may be given.

- iv. Does the company have system of reporting of non-compliances / violations of environmental norms to the Board of Directors of the company and / or shareholders or stakeholders at large? This reporting mechanism shall be detailed in the EIA report
- K. Details regarding infrastructure facilities such as sanitation, fuel, restroom etc. to be provided to the labour force during construction as well as to the casual workers including truck drivers during operation phase.
- L. Enterprise Social Commitment (ESC)
 - i. Adequate funds (at least 2.5 % of the project cost) shall be earmarked towards the Enterprise Social Commitment based on Public Hearing issues and item-wise details along with time bound action plan shall be included. Socio-economic development activities need to be elaborated upon.
- M. 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.
- N. A tabular chart with index for point wise compliance of above TORs.

INDUCTION/ARC FURNACES/CUPOLA FURNACES 5 TPH OR MORE

1. Details of proposed layout clearly demarcating existing & proposed features of the project within the plant.
2. Total no. of furnaces & details including capacity of each furnace.
3. Complete process flow diagram describing each unit, its processes and operations, along with material and energy inputs and outputs (material and energy balance).
4. Details on design and manufacturing process for all the units.
5. 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.
6. Details on requirement of raw materials, its source and storage at the plant.
7. Details on requirement of energy and water along with its source and authorization from the concerned department. Location of water intake and outfall points (with coordinates).
8. Details on toxic metal content in the waste material and its composition and end use (particularly of slag).
9. 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.

Air Pollution

Plant /Unit	Pollutants	Qty generate d	Method used to Control/and specifications/ attach Separate Sheet to furnish Details	Number of units planned & Capacity	Budget	Estimated Control Pollutant	
						Per Unit	Per day

Executive Summary

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

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

The following general points shall be noted:

- i. All documents shall be properly indexed, page numbered.

- ii. Period/date of data collection shall be clearly indicated.
- iii. The letter/application for environmental clearance shall quote the MOEF / SEIAA file No. and also attach a copy of the letter.
- iv. The copy of the letter received from the Ministry / SEIAA shall be also attached as an annexure to the final EIA-EMP Report.
- v. The index of the final EIA-EMP report must indicate the specific chapter and page no. of the EIA-EMP Report.
- vi. 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.
- vii. 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 TORs prescribed shall be valid for a period of three years for submission of the EIA-EMP reports along with Public Hearing Proceedings. TORs' prescribed by the State Expert Appraisal Committee (Industry) shall be considered for preparation of EIA-EMP report for the project in addition to all the relevant information as per the 'Generic Structure of EIA' given in Appendix III and III A in the EIA Notification, 2006. Where the documents provided are in a language other than English, an English translation shall be provided. The draft EIA-EMP report shall be submitted to the State Pollution Control Board of the concerned State for conduct of Public Hearing. The SPCB shall conduct the Public Hearing/public consultation, district-wise, as per the provisions of EIA notification, 2006. The Public Hearing shall be chaired by an Officer not below the rank of Additional District Magistrate. The issues raised in the Public Hearing and during the consultation process and the commitments made by the project proponent on the same shall be included separately in EIA-EMP Report in a separate chapter and summarized in a tabular chart with financial budget

(capital and revenue) along with time-schedule of implementation for complying with the commitments made. The final EIA report shall be submitted to the SEIAA Punjab for obtaining environmental clearance.

Item No.166.21: Application for obtaining Environmental Clearance under EIA notification dated 14.09.2006 for installation of Common bio-medical waste treatment, storage and disposal facilities (TSDFs) in the revenue estate of Village Bedowali, Tehsil Gidderbaha, Muktsar by M/s Med Waste Solutions (P) Limited. (SIA/PB/MIS/9506/2016)

The SEAC observed that:

M/s Med Waste Solutions (P) Limited have applied for obtaining the Environmental Clearance under EIA notification dated 14.09.2006 for installation of Common hazardous waste treatment, storage and disposal facilities (TSDFs) in the revenue estate of Village Bedowali, Tehsil Gidderbaha, Muktsar. The project is covered under category 7(da) of the Schedule appended to the said notification. The details of the project as given in Form 1 and 1A and other documents are as under:

- M/s Med Waste Solutions (P) Limited proposes to install a common Bio-medical waste treatment/disposal facility at Village Bedowali, District Muktsar, Punjab. The capacity of the facility to treat the bio-medical will be 3000MT waste annually
- The total land area of the project is 1.87 acres (7587m²) and the total cost of the project is 400 lacs. The total man power requirement to run the facility will be 60-70 persons.
- The total water requirement for the project will be 7 KL/day, which will be met through the supply of Gram Panchyat. The project proponent also submitted the consent letter from the Sarpanch, Gram Panchayat Bidowali.
- As per the project report, 3KLD quantity of water will be used for domestic purposes and 4KLD for washing purposes. Septic tank will be providing for treatment of domestic water and the Effluent treatment plant of capacity 5 KLD up to tertiary level will be installed for treatment of waste water generated from washing section. After treatment, domestic waste water will be used in an area of 2500 sqm on to land for plantation/gardening purposes. and treated Trade effluent shall be reused in the ventury scrubber attached with the incinerator
- The project proponent has proposed to install alkali scrubber as air pollution control device on incinerator. 30 m stack height from the ground level will be provided with the incinerator.
- Debris shall be used for filling of low lying area and Soil/earth shall be stacked at appropriate point & used for land filling.
- The total load of electricity required for project will be 200 KW which will be taken from the PSPCL. The project proponent has proposed to install silent DG sets of capacity 125 KVA for stand-by arrangement.
- The e-waste generated will be stored in an isolated room and will be sold to the manufacturers/ authorized vendors as per the E-Waste Rules, 2011.

- The project proponent proposed that 2kg (approx.) ETP sludge will be generated and disposed at TSDF site Nimbuan, Dera Bassi, Punjab. Used oil to be generated from the DG sets will be managed, handled and disposed as per the provisions of the Environment (Protection) Rules, 1986
- The project proponent has proposed to provide impervious lined room to store the bio-medical waste.
- The proponent has submitted the "Terms of Reference".

The other details of the project have been given in the Form 1 & 1-A submitted by the promoter.

Thereafter, Regional Office, Punjab Pollution Control Board, Bathinda vide e-mail dated 04.03.2016 was requested to visit the project site and submit report regarding latest construction status.

Environmental Engineer, Regional office, Bathinda vide email dated 09.03.2016 has intimated that the site was visited by AEE of his office on 09.03.2016 and observed that no construction activity has been started at the site. Since, the site falls adjacent to existing biomass unit M/s Universal Biomass, biomass was kept at the site of the facility in open.

The case was considered by the SEAC in its 142nd meeting held on 11.03.2016, which was attended by the following on behalf of the promoter company:

- i) Sh. H.S. Jatana, Director of the promoter company.
- ii) Sh. Sandeep Singh, Environmental consultant of the promoter company.

Environmental consultant of the promoter company presented the silent features of the project.

- M/s Med Waste Solutions (P) Limited proposes to install a common Bio-medical waste treatment/disposal facility at Village Bedowali, District Muktsar, Punjab. The capacity of the facility to treat the bio-medical will be 3000MT waste annually
- The total land area of the project is 1.87 acres (7587m²) and the total cost of the project is 400 lacs. The total man power requirement to run the facility will be 60-70 persons. The project proponent submitted copy of the CLU issued by the DTP Faridkot vide memo no. 1155 dated 21.07.2015
- The total water requirement for the project will be 7 KL/day, which will be met through the supply of Gram Panchyat. The project proponent also submitted the consent letter from the Sarpanch, Gram Panchayat Bidowali for the supply of water @ 7KLD.
- As per the project report, 3KLD quantity of water will be used for domestic purposes and 4KLD for washing purposes. Septic tank will be providing for treatment of domestic water and the Effluent treatment plant of capacity 5 KLD based on the ZLD up to tertiary level will be installed for treatment of waste water generated from washing section. After treatment, domestic waste water will be used in an area of 2500 sqm on to land for plantation/gardening purposes. and treated Trade effluent shall be reused in the ventury scrubber attached with the incinerator
- The project proponent has proposed to install alkali scrubber as air pollution control device on incinerator. 30 m stack height from the ground level will be

- provided with the incinerator.
- Debris shall be used for filling of low lying area and Soil/earth shall be stacked at appropriate point & used for land filling.
 - The total load of electricity required for project will be 200 KW which will be taken from the PSPCL. The project proponent has proposed to install silent DG sets of capacity 125 KVA for stand-by arrangement.
 - The e-waste generated will be stored in an isolated room and will be sold to the manufacturers/ authorized vendors as per the E-Waste Rules, 2011.
 - The project proponent proposed that 2kg (approx.) ETP sludge will be generated and disposed at TSDF site Nimbuan, Dera Bassi, Punjab. Used oil to be generated from the DG sets will be managed, handled and disposed as per the provisions of the Environment (Protection) Rules, 1986
 - The project proponent has proposed to provide impervious lined room to store the bio-medical waste.
 - During construction & operation phase, Environment Management Cell will be responsible for the implementation of EMP. Rs.1.50 lacs will be incurred on account of capital cost for implementation of EMP and Rs. 0.5 lacs/annum will be incurred on account of recurring charges during construction phase. Rs.69 lacs will be incurred on account of capital cost for implementation of EMP and Rs. 23.0 lacs/annum will be incurred on account of recurring charges during operation phase

After detailed deliberations on the presentation by the Members, it was decided to categorize the project into 7(da) category and that the project proponent should submit an Environment Impact Assessment Study Report. After further deliberations on the proposed Terms of Reference (TOR) suggested by the project proponent, the Committee approved the following Terms of Reference for Environmental Impact Assessment Study of the proposed project: -

It was also decided to allow the project proponent to use the monitoring reports and the baseline data, thus prepared, to finalize EIA report after incorporating the TOR's to be issued by the SEAC.

1. Executive summary of the project – giving a prima facie idea of the objectives of the proposal, use of resources, justification, etc. In addition, it should provide compilation of EIA report including EMP.
2. Justification for selecting the proposed capacity of the incineration facility.
3. Establishment of the facility as per Bio Medial Waste (Management & Handling) Rules 1998.
4. Land requirement for the facility including its break up for various purposes, its availability and optimization.
5. Details of proposed layout clearly demarcating various activities such as security, Waste Storage Rooms, Waste Treatment Equipment Rooms/Areas, Treated Waste Storage Room, Pollution Control Devices like APCS and ETP, ash storage/disposal area, vehicle washing areas, and others such as admin area, worker's room, health centers, greenbelt, etc.
6. The project proponent may add additional project activities and environmental aspects, if any, fill the impact matrix and carryout significance analysis for identifying the significant environmental aspects. Scale, sensitivity and duration of impacts; type, size and frequency of environmental aspects; applicable legal

- requirements; and concerns of interested parties and local public may be used as the basis for the significance analysis of the environmental aspects.
7. Details on collection and transportation of Bio Medical Waste from health care establishments. No. of vehicles and feature of vehicles, etc.
 8. Details of waste storage facilities/rooms at site.
 9. Details of the treatment equipment's capacity and make.
 10. Details of the incineration system – a statement on the compliance to the CPCB guidelines for common bio medical waste incinerators in respect of waste feed cutoffs, operating parameters of combustion chambers, flue gas cleaning, ash handling, etc.
 11. Details on monitoring of pollutants at source –performance of the incinerator. including operating hours, fuel consumption, operating parameters (Combustion chamber – temperature, pressure, Stack temperature, total particulate matter, HCl, NOx as per Bio Medial Waste (Management & Handling) Rules 1998.
 12. Details of flue gas emissions discharge through stack and proposed pollution control technologies.
 13. Details of the online monitoring systems to be provided for incinerator as per the CPCB guidelines.
 14. Details of residue/ash generation and management.
 15. Details of waste heat utilization, if any
 16. Details of wastewater management including pollution control technologies.
 17. Details of the proposed overall safety and health protection measures.
 18. Details of source of water and power to the facility.
 19. Details of the existing access road(s)/walkways to the designed operations in the site and its layout.
 20. The study area shall be up to a distance of 05 km from the boundary of the proposed project site.
 21. Location of the incineration facility and nearest habitats with distances from the facility to be demarcated on a toposheet (1: 50000 scale).
 22. Land use map based on satellite imagery including location specific sensitivities such as national parks / wildlife sanctuary, villages, industries, etc.
 23. Topography details including contour map
 24. Baseline data to be collected from the study area w.r.t. different components of environment viz. air, noise, water, land, and biology and socio-economics. Actual monitoring of baseline environmental components shall be strictly according to the parameters prescribed in the ToR after considering the proposed coverage of parameters by the proponent in draft ToR and shall commence after finalization of ToR by the competent Authority.
 25. Surface water quality of nearby water bodies.
 26. Details on proposed groundwater monitoring wells, locations, frequency of monitoring, parameters, etc.
 27. One season site-specific meteorological data excluding monsoon.
 28. Existing ambient air quality, expected emissions and evaluation of the adequacy of the proposed pollution control devices to meet the standards for point sources and to meet AAQ standards.
 29. Ecological status (terrestrial and aquatic) of the study area such as habitat type and quality, species, diversity, rarity, fragmentation, ecological linkage, age, abundance, etc.

30. If any incompatible land use attributes fall within the study area, proponent shall describe the sensitivity (distance, area and significance) and propose the additional points based on significance for review and acceptance by the SEAC. Incompatible land use attributes include:
 - Public water supply areas from rivers/surface water bodies, from ground water
 - Scenic areas/tourism areas/hill resorts
 - Religious places, pilgrim centers that attract over 10 lakh pilgrims a year
 - Protected tribal settlements (notified tribal areas where industrial activity is not permitted)
 - Monuments of national significance, World Heritage Sites
 - Cyclone, Tsunami prone areas (based on last 25 years)
 - Airport areas
 - Any other feature as specified by the State or local government and other features as locally applicable, including prime agricultural lands, pastures, migratory corridors, etc.
31. Anticipated generic environmental impacts due to incineration may be evaluated for significance and based on corresponding likely impacts, Valued Environmental Components (VECs) may be identified. Baseline studies may be conducted for all the concerned VECs and likely impacts will have to be assessed for their magnitude in order to identify mitigation measures.
32. Action plan for the greenbelt development in accordance to CPCB published guidelines.
33. Comparison of alternate sites, if any, considered and the reasons for selecting the proposed site. Conformity of the site with the prescribed guidelines and rules.
34. Details on monitoring of pollutants at receiving environment for all the notified parameters of ambient air quality and also for the notified stack emissions in the ambient air, groundwater, surface water, soil samples at likely contamination sites.
35. Stack and fugitive emissions may be monitored for SPM, HCL & NO_x as per Bio Medial Waste (Management & Handling) Rules 1998.
36. Details of the proposed overall safety and health protection measures during the project design, construction and operation phases including specific programme to monitor safety and health protection of workers.
37. Details of Administrative and technical organizational structure.
38. EMP devised to mitigate the adverse impacts of the project should be provided along with item-wise cost of its implementation (Capital and recurring costs).
39. Details of the risk assessment, emergency preparedness plan and on-site & off-site disaster management plan during different phases of the project.
40. The prescribed TORs would be valid for a period of three years for submission of the EIA/EMP reports, as per the O.M. No. J-11013/41/2006-IA.II(I) Part dated 08.10.2014.

The project proponent should prepare draft rapid EIA / EMP Report for its project based on above Terms of Reference and apply to the Member Secretary, Punjab Pollution Control Board for conducting public hearing as per the provisions of

EIA Notification, 2006 as amended from time to time on submitting EIA / EMP / Executive Summary Report prepared by the project proponent as per TORs.

After completing the process of public hearing / public consultation, the industry shall submit final EIA / EMP to the State Expert Appraisal Committee after incorporating all the issues raised during public hearing / public consultation for Appraisal of its project.

The case was considered by the SEIAA in its 105th meeting held on 01.04.2016, which was attended by the following on behalf of the promoter company:

- i) Sh. H.S. Jatana, Director of the promoter company.
- ii) Sh. R.S. Rana, Environmental consultant of the promoter company.

Environmental consultant of the promoter company presented the silent features of the project.

The SEIAA decided to accept the recommendations of SEAC and issue Terms of Reference as proposed by the SEAC. The SEIAA further decided that the project proponent will apply to the Member Secretary, Punjab Pollution Control Board for conducting public hearing as per the provisions of EIA Notification, 2006 as amended from time to time on submitting EIA / EMP / Executive Summary Report prepared by the project proponent as per TORs.

The SEIAA also decided that after completing the process of public hearing / public consultation, the project proponent shall submit final EIA / EMP to the State Expert Appraisal Committee after incorporating all the issues raised during public hearing / public consultation for Appraisal of its project.

ToRs & other decision of SEIAA have been conveyed to the project proponent vide letter No. 2282 dated 04.04.2016

The public hearing was conducted on 21.02.2018 by the Punjab Pollution Control Board in compliance to the provisions of the EIA Notification, 14.09.2006. The Member Secretary, Punjab Pollution Control Board vide letter no. EE(Mega)/2018/9115 dated 21.03.2018 sent the proceedings of the public hearing for taking further necessary action in the matter.

The project proponent submitted final EIA report on 17/04/2018 which includes the clarification of the project proponent in reference to the information sought by the persons present at the venue of hearing.

The case was considered by the SEAC in its 166th meeting held on 24.05.2018, which was attended by the following on behalf of the project proponent:

- (i) Sh. Pawanpreet Singh Dhillon, Director .

- (ii) Sh. Deepak Kumar of the promoter company.
- (iii) Ms Dakhsa Gupta, Project Coordinator from M/s Shivalik Solid Waste Management Ltd, environmental consultant of the promoter company.

Environmental Consultant of the promoter Company presented the salient features of the project as under:-

- M/s Med Waste Solutions (P) Limited is a private company proposes to setup a Common Bio-medical Treatment Facility (CBWTF) at Village Bedowali, Tehsil Gidderbaha, District Sri Muktsar Sahib.
- As per EIA Notification 2006, and subsequent amendment vide Gazette Notification dated 17th April 2015 all Projects of Bio-medical Waste Treatment Facilities fall under "Category B" activity at Sr No.7(da).
- It is proposed to utilize 1.87 acres of land for the proposed project.
- The State of Punjab at present has Four Common Biomedical Waste Treatment Facility, which are situated in Ludhiana, Mohali, Amritsar, Pathankot.
- The project is proposed to cater about 8, 861 beds.
- The project is proposed to treat the biomedical waste generated from Sri Muktsar Sahib and nearby districts such as Faridkot, Bathinda, Ferozepur, Mansa. The details of the nos. of Healthcare facilities in these five districts are as under:-

Sr. No	Districts	Number of Health Care Facilities /Institutions	Bed Strength
1	Sri Muktsar sahib	123	1033
2	Faridkot	97	1751
3	Bathinda	297	3570
4	Ferozepur	117	1442
5	Mansa	118	1065
Total		752	8, 861
(Source: Punjab Pollution Control Board, Patiala)			

- The detail of the project is as under:-

Equipment	Capacity	Number
Incinerator	250 kg /hr	2

Autoclave	250 ltrs	2
Shredder	300 kg/hr	1
Effluent Treatment Plant	4.5 m ³ /day	1

➤ Land details is under:-

S.No.	Tehsil	Village	Khasra Plan	Area	Ownership
1.	Gidderbaha	Bedowali	18//12(2-4) 19(8-0) 20(3-15) 21(2-16) 22(8-0), 19//1(1-8) 2(8-0).	1.87 Acres	Med Waste Solutions (P) Limited.

➤ Other requirements

Water requirement	The water requirement for the project is 5 KLD.
Source of water	The Source of water will be from Bore well available at site water.
Man Power	During Construction phase, the labors and workers will be hired from nearby villages. Construction phase: 10 Operation phase: 20
Power requirement	100 KW.

- All the mandatory activities are demarcated on layout plans
- Incineration system shall be as per CPCB guidelines
- Provision of heat recovery system/heat exchanger with the incinerator shall be made. Pre-heating of combustion air shall be practiced wherever possible.
- CBWTF will have storage area of 2500sqmThe storage are shall be enclosed structure with sufficient ventilations. The storage shed shall have different color coded cells for storing different kinds of bio-medical waste. The Storage room will have smooth impermeable flooring, proper drainage for easy cleaning and to prevent contamination of soil.
- Segregated waste shall be collected from Health care facility in color coded bins.Collected waste will be transported in dedicated authorized covered

vehicles along with manifest system. Waste collection, transportation and treatment shall be done within 48 hrs.

- 5 Closed vehicles (dimension size of 14ft x 6ft x 5.5ft with carrying capacity 3000kg) for collection and transportation of biomedical waste to CBWTF covering all the 5 districts proposed to cater within 100km radius.
- The liquid waste generated during handling of wastes and washing, shall be diverted to the inlet of ETP.
- The proposed CBWTF will have an ETP of 4.5 m³ per day (KLD) capacity. The ETP will receive; Chemical wastes after chemical treatment of infected waste, waste water generated from the scrubber, vehicle sterilization area and floor washing. Sealed drainage will be provided to collect the all liquid effluents.
- Effluent will be collected in equalization tanks after passing through the grit chamber. Grit chamber removes large solid particles. From the equalization tank, raw effluent is pumped to the flash mixers where flocculants and coagulants are added. Effluent is taken to primary clarifier where settling of solids takes place.
- The biologically treated effluent will be taken to the secondary clarifier and the overflow from the secondary clarifier will be allowed to pass through pressurized sand filters (PSF) and activated carbon filters (ACF).
- The wet sludge is dewatered in sludge drying bed and temporarily stored in sludge storage area. Sludge after drying will be disposed in landfill. Clarified effluent is biologically treated by activated sludge process in an aeration tank.
- The thickened sludge is collected, dewatered and disposed in the landfill.
- The treated effluent will be recycled for use in scrubber floor washing and gardening.
- The flue gases from the Secondary chamber would be sent to venturi scrubber. where particulate matter as well as acidic pollutants would be scrubbed. The acidic gases would removed by absorption with caustic soda.
- The temperature of the flue gas at the outlet of the venturi scrubber would be approx. 70-80^o C to ensure the saturation of the flue gas. The scrubbing medium would be circulated @ 2-2.5 litres/m³ of saturated flue gas at venturi outlet. The quenching process shall prevent the reformation of dioxin and furan

- The scrubbed water shall be collected into a sump, where the water is neutralised, and then sent into a cooling tower from where the water is recirculated into the scrubber after cleaning them of their particulates by way of pressure sand filter and activated carbon filter.
- Flue gas emission shall meet prescribed standard. Stack of 30 mtrs height would be provided as per IS –6533-1989. The chimney would be lined from inside with minimum 3mm thick natural hard rubber. Port hole with sampling platform would be provided for monitoring of flue gases as per the norms of pollution control board.
- Online monitoring systems installation is proposed for the incinerator during the commissioning of the project as per the CPCB guidelines.. It is also incorporated in the budget of Environmental Management Plan
- Ash, residue from high temperature incineration and other material residues from the process shall be collected into containers and shall be disposed into authorized Common Hazardous Waste Treatment and Disposal Facility at Nimbua in Punjab.
- The power required for the facility will be 100KW provided by PSPCL & Water requirement for the proposed project is 5 KLD. The water demand will be met through bore well available at site.
- It has been observed from the analysis of the surface water at 2 locations within the study area, which are compared with classes for designated use of River are suitable for "E class" i.e. irrigation, industrial cooling and controlled waste disposal.
- The detail of environmental Management Plan & Cost is as under:-

Sr. No.	Particulars	Capital Cost (Rs) Lakhs/annum	Recurrring Cost (Rs)* Lakhs/annum
1.	Air Pollution Control Systems	10	1
2.	Effluent Treatment Plant and Soak pit etc.	5	0.7
5.	Landscaping, Green belt Development	2	0.2
6.	Rainwater harvesting, Storm water Drains.	1	0.1

7.	Online Stack Monitoring	3	0.2
8.	Ambient Air Quality monitoring, Laboratory equipments etc.	5	0.1
9.	Third Party monitoring, energy audit, environmental audit, training programs etc.	2	0.1
10.	Environmental Control measures during construction stage, Miscellaneous works.	2	0.2
11.	Occupational Health & Safety, Immunisation, Health Checkups Training, and PPE	1	0.5
Total		31	3.1

➤ The details of the proposed CSR activities is under:-

Sr. No.	Activities	Details	Total Amount (Rs in Lakhs)
1	Biomedical Waste Awareness Programs	Through organizing lectures of Experts.	0.4
2	Health Care Checkup	Health care checkup for Workers & nearby Villagers.	0.6
3	Development of Schools	Necessary maintenance	1
Total			2.0

Note: The company shall earmark the fund of Rs. 2.0 lakhs for the CSR. This Fund shall be utilized over a period of 3 years. After this company shall allot 2% of the profit towards the same.

After presentation, SEAC raised the following queries to which project proponent replied as under: -

Sr No	Query	Reply by the project proponent
1.	The project proponent has proposed to develop Green belt / green area in an area of 5, 520 sqm as per government norms, which is quite less and same is required to be increased especially towards biomass based power plant to be established alongside the project.	The project proponent submitted that green buffer zone atleast 10 to 15 meters towards the biomass based power plant and 3-5 meter along the boundary wall will be provided.

2.	To a query regarding what kind of colored bags will be used to collect the bio medical waste, the project proponent replied that Non-chlorinated plastic colored bags will be supplied to the occupier on chargeable basis, if required. To this, SEAC suggested that only Non-Chlorinated compostable carry bags will be used.	The project proponent agreed to use non-chlorinated compostable carry bags manufactured as per the Govt. norms to collect the bio-medical waste and same will also be supplied to the health care facilities on chargeable basis.
3.	To a query regarding source of water, project proponent replied that the water Source will be met from Bore well available at site. SEAC suggested that being a possibility of contamination of the rainwater from the handling/treatment from the bio medical waste, no bore well should be located in the project site for extraction of water	The project proponent submitted that the water requirement should be met with from the adjoining biomass based power plant developed by M/s Universal Biomass Energy Pvt. Ltd.. No bore well should be located in the project site for extraction of water. An undertaking submitted is taken on record by the SEAC.
4.	The project proponent has proposed Rs. 2 Lac towards CSR activities which is quite less.	<p>1) The project proponent submitted that they will spend total Rs. 4 Lac on account of following CSR activities during the next 3 years.</p> <p>a. An amount of Rs. 2 Lac will be deposited in Environment Protection Fund created by Punjab Pollution Control Board under Environmental Social Responsibility.</p> <p>b. Remaining amount of Rs. 2 Lac will be spent on the following activities: -</p> <p>i) Rs 0.4 Lac will be spent on Biomedical Waste Awareness Programs Through organizing lectures of Experts.</p> <p>ii) Rs 0.6 Lacs will be spent on Health care checkup for Workers & nearby Villagers.</p> <p>iii) Rs 1.0 Lacs will be spent for the development of School located in the nearby village.</p> <p>An undertaking in this regard submitted by the project proponent is taken on record</p>

		by the SEAC.
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The SEAC observed that the project proponent has provided adequate and satisfactory clarifications to the observations raised by it. Therefore, the Committee awarded '**Silver Grading**' to the project proposal and decided that case be forwarded to SEIAA with the recommendations to grant environmental clearance for establishment of Common bio-medical waste treatment, storage and disposal facilities (TSDFs) having total project area 1.87 acres in the revenue estate of Village Bedowali, Tehsil Gidderbaha, Muktsar, Punjab subject to the following conditions in addition to the proposed measures:

PART A – SPECIFIC CONDITIONS:

I. PRE-CONSTRUCTION PHASE

- (i) Consent to establish" shall be obtained from Punjab Pollution Control Board under Air (Prevention & Control of Pollution) Act, 1981 and Water (Prevention & Control of Pollution) Act, 1974 and a copy of the same shall be submitted to the Ministry of Environment & Forests / State Level Environment Impact Assessment Authority before the start of any construction work at site.
- (ii) The Project Proponent shall obtain all other necessary requisite clearances/ permissions from concerned authorities/ agencies before commencement of work.
- (iii) All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.
- (iv) The approval of competent authority shall be obtained for structural safety of the buildings due to earthquakes, adequacy of firefighting equipment etc. as per National Building Code including protection measures from lightning.
- (v) Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, disposal of waste water & solid waste in an environmentally sound manner, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.

II. CONSTRUCTION PHASE:

- i) The Project Proponent shall ensure that the guidelines issued by Ministry of Environment, Forests & Climate Change (MoEFCC), vide OM No. 19-2/2013-IA.III dated 09.06.2015, to be followed for building and construction projects to ensure sustainable environmental management in pursuance of Notification No. 3252 (E) dated 22. 12.2014 under the EIA Notification, 2006, as applicable, are followed in this project.
- ii) Disposal of muck during construction phase should not create any adverse effect on the neighbouring communities and be disposed off after taking the necessary

precautions for general safety and health aspects of people with the approval of competent authority. The project proponent will comply with the provisions of Construction & Demolition Waste Rules, 2016. Dust, smoke & debris prevention measures such as wheel washing, screens, barricading and debris chute shall be installed at the site during construction including plastic / tarpaulin sheet covers for trucks bringing in sand & material at the site.

- iii) Vehicles hired for bringing construction material to the site and other machinery to be used during construction should be in good condition and should conform to applicable air emission standards.
- iv) Water demand during construction should be reduced by use of ready mixed concrete, curing agents and other best practices.
- v) Adequate treatment facility for drinking water shall be provided, if required.
- vi) The project proponent shall provide electromagnetic flow meter at the outlet of the water supply, outlet of the STP and any pipeline to be used for re-using the treated wastewater back into the system for flushing and for horticulture purpose/green etc.
- vii) The diesel generator sets to be used during construction phase should conform to the provisions of Diesel Generator Set Rules prescribed under the Environment (Protection) Act, 1986.
- viii) Ambient noise levels should conform to prescribed standards both during day and night. Adequate measures should be made to reduce ambient air and noise level during construction and operation phase, so as to conform to the norms stipulated by CPCB/PPCB. Ambient air and noise monitoring should be done by an accredited lab and data should also be submitted, on six monthly basis, with HSPCB. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase.
- ix) Proponent shall not install any bore well within the project site. Water requirements of the project will be met from from the adjoining biomass based power plant developed by M/s Universal Biomass Energy Pvt. Ltd.
- x) Soil and water samples of the site should be tested by the proponent through PPCB recognized laboratory to ascertain that there is no threat to ground water quality by leaching of heavy metals and other toxic contaminants, on quarterly basis for inclusion in the six monthly report.
- xi) Regular supervision of the above and other measures for monitoring should be in place all through the construction phase, so as to avoid disturbance to all surroundings.
- xii) The project proponent shall install continuous monitoring provision for incinerator stack emission for the parameters as stipulated by the Punjab Pollution Control Board. The continuous emission monitoring system for stack emission should be installed as per the guidelines issued by PPCB/CPCB.
- xiii) The project proponent shall provide green buffer zone at-least 10 to 15 meters towards the biomass based power plant and 3-5 meter along the boundary wall.

III. OPERATION PHASE & ENTIRE LIFE

- i) "Consent to operate" shall be obtained from Punjab Pollution Control Board under Air (Prevention & Control of Pollution) Act, 1981 and Water (Prevention & Control of Pollution) Act, 1974 and a copy of the same shall be submitted to the Ministry of Environment & Forests / State Level Environment Impact Assessment Authority at the time of start of operation.
- ii) Authorization from Punjab Pollution Control Board shall be obtained as applicable under Bio-Medical Waste Management Rules 2016.
- iii) The Bio-Medical wastes shall be managed in accordance with the Bio-Medical Waste Management Rules 2016.
- iv) Incinerated ash, ETP Sludge and sharps should be disposed in accordance with BMW Rules, 2016.
- v) The solid waste other than Bio Medical Waste & Hazardous Waste (dry as well as wet garbage) generated should be properly collected and segregated before disposal to Municipal Authorities in accordance with the Municipal Solid Waste (Management & Handling) Rules, 2000. No municipal waste should be disposed off outside the premises. Adequate measures should be taken to prevent odour problem.
- vi) The proponent shall comply with the Environmental standards notified by Ministry of Environment, Forest & Climate Change for incinerators along with the technology/guidelines.
- vii) Guidelines published the Central Pollution Control Board /Punjab Pollution Control Board from time to time for Common Bio Medical Waste Treatment published shall be referred for implementation.
- viii) Records of waste movements-
Daily records shall be maintained for the waste accepted and treated waste removed from the site. This record shall include the following minimum details:
 - (i) Waste accepted: -Records on day-to-day basis in the prescribed format shall be maintained with respect to the waste collection date, name of the healthcare unit with bar code, waste category as per BMWM Rules, category-wise quantity of waste accepted, vehicle registration number used for collection of bio-medical waste from member health care facilities, time at which waste collected from member HCFs, name of the vehicle driver and his signature and waste receiving date & time (at CBWTF site). Similar information to be acknowledged to the member health care facility by the CBWTF operator on daily basis through manifest and daily email.
 - (ii) Treated waste to be disposed: - Date, treated waste type, Quantity, vehicle number, disposal as stipulated under BMWM Rules.
- ix) There should not be any spillage from the transportation Vehicles.

- x) The project proponent will set up separate Environmental Management Cell for effective implementation of stipulated environmental safeguards under the supervision of Senior Executive.
- xi) All the recommendations of EMP shall be strictly complied.
- xii) The environmental safeguards containing the EIA report shall be implemented in letter & spirit.
- xiii) Necessary provision shall be made for fire-fighting facilities within the complex.
- xiv) Treated flue gas emissions discharged through stack to atmosphere shall always be less than or equal to the parameter –specific emission standards.
- xv) The total wastewater generation from the project will be 4.5 KLD, which will be treated in ETP of capacity 4.5KLD located within the project site. As proposed, the treated effluent will be recycled for use in scrubber, floor washing and gardening purposes.
- xvi) Zero wastewater discharge condition to be achieved with installation of effluent Treatment Plant & treated waste water shall conform to the norms and standards prescribed by PPCB/CPCB.
- xvii) The total water requirement for the project will be 05 KLD which shall be met through from the adjoining biomass based power plant developed by M/s Universal Biomass Energy Pvt. Ltd.
- xviii) The project proponent shall provide electromagnetic flow meter at source of the water supply, Inlet & outlet of the ETP and any pipeline to be used for re-using the treated wastewater back into the system for cooling, flushing and for horticulture purpose/green etc. and shall maintain a record of readings of each such meter on daily basis.
- xix) The quantity of fresh water usage and water recycling shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the State Level Environment Impact Assessment Authority & Regional Office, MoEF & CC along with six monthly Monitoring reports
- xx) Project Proponent shall ensure regular operation and maintenance of the ETP.
- xxi) The project proponent shall make an arrangement for sterilize or disinfect broken or discarded glass material (either by autoclaving or microwaving or hydroclaving or by sodium hypo-chlorite solution) followed by soaking and washing with detergent prior to sending it for recycling.
- xxii) The project proponent will make adequate arrangements for transmission of real time continuous stack emission monitoring data to the servers of the Punjab Pollution Control Board.

- xxiii) The ground water level in the vicinity of the project and its quality should also be monitored regularly.
- xxiv) The position / location of the ETP, DG Sets & other Utilities etc., installed by the project proponent as per the provisions made in the layout plan, should not be changed later-on under any circumstances.
- xxv) All the pipelines carrying water/ waste water should be distinguished using colour coding on raw & potable water pipes, grey water, black water, reuse lines of treated water for flushing, cooling & Horticulture etc.
- xxvi) Utilization of Diesel power generating sets is subject to power failure condition only. The DG sets proposed as a source of power back up during operation phase should be of enclosed type, low sulphur diesel run and conform to rules made under the Environment (Protection) Act, 1986. The DG sets should be subjected to periodic noise and stack monitoring. Waste/used diesel should be stored and managed as per Hazardous Waste (Management and Handling) Rules, 2000 as amended to date and be sold to CPCB/PPCB approved recyclers.
- xxvii) The project proponent shall comply with the notifications and court orders issued time to time regarding use, sale and storage of all kinds of plastic bags. The project proponent shall use non-chlorinated compostable carry bags manufactured as per the Govt. norms to collect the bio-medical waste and same will also be supplied to the health care facilities on chargeable basis.
- xxviii) Noise should be controlled to ensure that it does not exceed the prescribed standards. During night time the noise levels measured at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations.
- xxix) Energy Conservation measures such as solar lighting for common areas, solar water heating system, LEDs for lighting of areas, signage, solar inverters etc. should be adopted.
- xxx) Used CFLs/ LEDs should be properly collected and disposed off/ sent for recycling as per the prevailing guidelines/rules of the regulatory authority.
- xxxi) A Report on energy conservation measures conforming to energy conservation norms finalized by Bureau of energy Efficiency should be prepared incorporating details about building materials and technology, R & U factors etc. and submit a copy to the State Level Environment Impact Assessment Authority & Regional Office, MoEFCC along with six monthly Monitoring reports.
- xxxii) Thick green belt of the adequate width and density with local species, as per plan submitted, shall be raised along the periphery of the plot so as to provide protection against particulates and to achieve attenuation factor conforming to

the day and night noise standards prescribed for such type of area. The open spaces inside the plot should be suitably landscaped and covered with vegetation of indigenous species/variety.

- xxxiii) Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Parking facility for BMW transporting/ other vehicles should be fully internalized and no public space should be utilized.
- xxxiv) The project proponent will be responsible for the operation, maintenance and implementation of environmental safeguards for the project.

Part B- General condition

I. Pre-Construction Phase

- i) This environmental clearance will be valid for a period of seven years from the date of its issue or till the completion of the project, whichever is earlier.
- ii) The project proponent should advertise in at least two local newspapers widely circulated in the region, one of which shall be in the vernacular language informing that the project has been accorded environmental clearance and copies of clearance letters are available with the Punjab Pollution Control Board. The advertisement should be made within seven days from the day of issue of the clearance letter and a copy of the same should be forwarded to the Regional Office, Ministry of Environment & Forests, Chandigarh and SEIAA, Punjab.
- iii) The project proponent shall obtain permission from the CGWA for abstraction of groundwater & digging of bore well(s) and shall not abstract any groundwater without prior written permission of the CGWA, even if any bore well(s) exist at site.
- iv) The project proponent shall obtain CLU from the competent authority if applicable.
- v) A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zilla Parishad/ Municipal Corporation, Urban local body and the local NGO, if any, from whom suggestions / representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.

II. Construction Phase

- i) The project proponent shall adhere to the commitments made in the Environment Management Plan for the construction phase and Corporate Social Responsibility and shall spend minimum amount of Rs. 31 Lacs towards capital investment, Rs. 3.1 Lacs/annum towards recurring including monitoring expenditure and Rs. 04 Lacs towards CSR activities as proposed in addition to the amount to be spent under the provisions of the Companies Act 1956.

III. Operation Phase and Entire Life

- i) **a)** The entire cost of the environmental management plan will continue to be

borne by the project proponent until the responsibility of environmental management plan is transferred to the occupier under proper MOU under intimation to SEIAA, Punjab. The project proponent shall spend minimum amount of Rs. 3.1 Lacs/annum towards recurring including monitoring expenditure as proposed in the EMP.

b) The project proponent shall adhere to the commitments made in the proposal for CSR activities and shall spend a minimum amount of Rs. 04 Lacs towards following CSR activities:

- i) An amount of Rs. 02 Lac will be deposited in Environment Protection Fund created by Punjab Pollution Control Board under Environmental Social Responsibility.
- ii) Remaining amount of Rs. 02 Lac will be spent as under:-
 - i. Rs 0.4 Lac will be spent on Biomedical Waste Awareness Programs Through organizing lectures of Experts.
 - ii. Rs 0.6 Lacs will be spent on Health care checkup for Workers & nearby Villagers.
 - iii. Rs 1.0 Lacs will be spent for the development of School located in the nearby village
- ii) The diesel generator sets to be provided shall conform to the provisions of Diesel Generator Set Rules prescribed under the Environment (Protection) Act, 1986. The exhaust pipe of DG set if installed must be minimum 10 m away from the building or in case it is less than 10 m away, the exhaust pipe shall be taken upto 3 m above the building.

PART-C – Conditions common for all the three phases i.e. Pre-Construction Phase, Construction Phase and Operation Phase & Entire Life:

- (i) Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.
- (ii) A first aid room will be provided in the project both during construction and operation phase of the project.
- (iii) Construction of the STP, solid waste, e-waste, hazardous waste, storage facilities tubewell, DG Sets, Utilities etc., earmarked by the project proponent on the layout plan, should be made in the earmarked area only. In any case the position/location of these utilities should not be changed later-on.
- (iv) The environmental safeguards contained in the application of the promoter / mentioned during the presentation before State Level Environment Impact Assessment Authority/State Expert Appraisal Committee should be implemented in letter and spirit.
- (v) The funds earmarked for environmental protection measures shall be kept in separate account and shall not be diverted for other purpose. Year-wise expenditure shall be reported to SEIAA and its concerned Regional Office of MoEF&CC.

- (vi) Ambient air & noise levels should conform to prescribed standards both during day and night. Incremental pollution loads on the ambient air quality, noise especially during worst noise generating activities, water quality and soil should be periodically monitored during construction phase as well as operation & entire life phase as per the MoEF&CC guidelines and all the mitigation measures should be taken to bring down the levels within the prescribed standards.
- (vii) All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, Forest (Conservation) Act, 1980 and Wildlife (Protection) Act, 1972 etc. shall be obtained, by project proponents from the competent authorities including Punjab Pollution Control Board and from other statutory bodies as applicable. The project proponent shall also obtain permission from the NBWL, if applicable.
- (viii) The State Environment Impact Assessment Authority, Punjab reserves the right to add additional safeguards/ measures subsequently, if found necessary, and to take action including revoking of the environmental clearance under the provisions of the Environmental (Protection) Act, 1986, to ensure effective implementation of the suggested safeguards/ measures in a time bound and satisfactory manner.
- (ix) A proper record showing compliance of all the conditions of environmental clearance shall be maintained and made available at site at all the times.
- (x) The project proponent shall also submit half yearly compliance reports in respect of the stipulated prior environmental clearance terms & conditions including results of monitored data (both in hard & soft copies) to the respective Regional office of MoEF, the Zonal Office of CPCB, the SPCB and SEIAA, Punjab on 1st June and 1st December of each calendar year.
- (xi) Officials from the Regional Office of Ministry of Environment & Forests, Chandigarh / State Level Environment Impact Assessment Authority / State Level Expert Appraisal Committee / Punjab Pollution Control Board who would be monitoring the implementation of environmental safeguards should be given full cooperation, facilities and documents / data by the project proponents during their inspection. A complete set of all the documents submitted to State Environment Impact Assessment Authority should be forwarded to the APCCF, Regional Office of Ministry of Environment & Forests, Chandigarh.
- (xii) In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by State Environment Impact Assessment Authority, Punjab.
- (xiii) The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF&CC, SEIAA, Punjab the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels for all the parameters of NAAQM standards shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.

- (xiv) The inlet and outlet point of natural drain system should be maintained with adequate size of channel for ensuring unrestricted flow of water. The unpaved area shall be more than or equal to 20% of the recreational open spaces.
- (xv) Environmental Management Cell shall be formed during operation phase which will supervise and monitor the environment related aspects of the project.
- (xvi) The plantation should be provided as per SEIAA guidelines and as per notification dated 09.12.2016 issued by MoEF&CC, New Delhi.
- (xvii) The project proponent shall not use any chemical fertilizer /pesticides /insecticides and shall use only Herbal pesticides/insecticides and organic manure in the green area.

Item No.166.22: Application for environmental clearance under EIA notification dated 14.09.2006 for the establishment of a group housing project namely "Sushma Valencia" located in Shipra Estates Limited project namely Super Mega Mixed Land Use integrated Industrial Park, Village Nagla, Zirakpur Nagla, Zirakpur, Derabassi, S.A.S Nagar Mohali Punjab to be developed by Suksha Developers Pvt. Limited. (Proposal No. SIA/PB/NCP/72614/2018)

The SEAC observed that:

M/s Suksha Developers Pvt. Limited. has applied for obtaining environmental clearance under EIA notification dated 14.09.2006 for the establishment of a group housing project namely "Sushma Valencia" located in the site of Super Mega Mixed Land Use integrated Industrial Park, Village Nagla, Zirakpur Nagla, Zirakpur, Derabassi, S.A.S Nagar Mohali Punjab being developed by Shipra Estates Limited. The project is covered under category building construction 8 (a) of the Schedule appended to the said notification.

The details of the project as given in Form 1, Form 1A and other documents are as under:

Sr.no.	Project Details	
1.	Type of Project	Group Housing
2.	Category	8 (a)
3.	Total Project land Area	77449.75 Sqm
4.	Built-up Area	144777 sqm
5.	No. of Flats	908 Dwelling units
6.	Population	4540 Persons

- The project site is located in the site of Super Mega Mixed Land Use integrated Industrial Park, Village Nagla, Zirakpur being developed by Shipra Estates

Limited to whom environmental clearance was granted vide no. 2129 dated 21.06.2011 valid for a period of five years or till the completion of the project.

- Thereafter, validity of the said Environmental Clearance was extended vide letter no 3127 dated 22.08.2016 to seven years (i.e. up to 20.06.2018) or till completion of the project, whichever is earlier, for developing a project namely "Super Mega Mixed Use Integrated Industrial Park" at Village Nagla, Bhankarpur, Shatabpur, Tehsil Dera bassi, Mohali, District S.A.S. Nagar, Punjab being developed by M/s Shipra Estate Ltd. It is further added here that while appraising the Shipra Estates Limited project namely Super Mega Mixed Land Use integrated Industrial Park, Village Nagla, Zirakpur to whom environmental clearance was granted vide no. 2129 dated 21.06.2011, it has been noted that during first five years, the treated wastewater will be used for D.G. set cooling, flushing and horticulture purposes by providing proper distribution network. No wastewater shall be discharged into drain/Ghaggar river, excess treated wastewater shall be discharged to artificial water ponds and irrigation of roadside plantation. The sewer connection will be made available by Municipal Council, Zirakpur in next 2-3 years. Therefore, after 5 years, the excess treated water shall be discharged into public sewer.
- The land for the proposed project confirms to the land use as per the Master Plan. The total land area of the site is 77449 sqm and the total built up area of the project will be 144777 Sqm which is more than 20000 Sqm.
- The total water requirement will be 613 KLD which includes fresh water requirement @ 454 KLD. The fresh water requirement will be met through own tubewell.
- The total wastewater generation from the project will be 490 KLD, which will be treated in STP of SBR based technology of adequate capacity to be installed at project site. In summer season, the project proponent has proposed to utilize 159 KL/day of treated wastewater for flushing purpose, 34 KLD for green area (6213 sqm) & balance quantity i.e. 297 KLD into sewer. In winter season, 159 KL/day of treated wastewater for flushing purpose, 10 KLD for green area (6213 sqm) & balance quantity i.e. 321 KLD into sewer. In rainy season, 159 KL/day of treated wastewater for flushing purpose, 4 KLD for green area & & balance quantity i.e. 327 KLD into sewer.

- The project is a part of the M/s Shipra Estate Limited project namely Super Mega Mixed Land Use integrated Industrial Park, Village Nagla, Zirakpur and the services of the M/s Shipra Estate Limited will be used as it is the part of the project. The company Shipra has already provided Sewer and other amenities in the plotted development.
- About 6213 sqm area has been earmarked for green area development at site.
- The total quantity of solid waste generation will be 1816 kg/day. Solid waste will be collected separately as biodegradable and Non-biodegradable waste as per the MSW Rules, 2016. Biodegradable waste will be composted through Mechanical Composter. The non-biodegradable waste & Recyclable waste will be sold to authorized vendors. Inert waste will be sent to designated disposal site.
- The total load of electricity required for said project will be 4800 KW which will be taken from the State Grid. There is a proposal to install silent 3 nos. DG Sets (1 X 240 KVA & 2 x 125 KVA) as stand-by arrangement.
- The project proponent has also proposed to provide 21 rain water harvesting pits to recharge the rain water. Single bore well will be provided in 13 nos. rain water harvesting pits and twin bore well will be provided in the remaining 8 nos. pits.
- 20 Nos solar light & Solar water heater will be provided to utilize the solar energy.
- LED lamps shall be used in the common areas. As per the energy saving detail, total energy saved per day will be 276 KWHD
- Used oil to be generated from the DG sets will be stored in HDPE tanks and sold to the authorized recyclers.
- The e-waste generated will be stored in an isolated room and will be sent to the manufacturers and EPA Rules will be followed.
- The ambient air as well as ground water monitoring has been got done for all the parameters as prescribed in the NAAQM and IS: 10500. The concentration of all the parameters is found in the permissible limits.
- Director of the company will be responsible for implementation of EMP till the handing over of the project to MC or GMADA who so ever takes over the project.
- For implementation of EMP, Rs. 133 lacs as capital cost, Rs. 9.5 lacs as recurring

cost & Rs. 5.90 lacs /annum for monitoring of air, noise & water as recurring cost will be incurred in construction phase whereas in operation phase, Rs. 12.5 lacs as recurring cost, Rs. 6.90 lacs /annum for monitoring of air, noise & water as recurring cost will be incurred.

- The project proponent has proposed to spend Rs. 10 lacs towards CSR activities by providing scholarship to children of weaker section for studies of students of village Nagla, Bhankhpur, Shatabpur and Gazipur. Director of the company will be responsible for its implementation of the CSR.

The details of the documents submitted with the application are as under:

1.	Properly filled Form 1 & 1A	Yes
2.	(a) In case(s) where land has already been purchased/acquired: Proof of ownership of land (b) In case where land is yet to be purchased/acquired: Proof of ownership of land (existing owner) such as copy of latest Jamabandi (not more than one month old) and credible document showing status of land acquisition w.r.t. project site as prescribed in OM dated 07.10.2014 issued by MoEF)	copy of Jamabandi submitted
3.	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 Master Plan of the area.	submitted
4.	Layout plan duly approved by the Competent Authority/Conceptual plan of the project.	Submitted
5.	Topographical map of the area showing Contour Plan. In case of Area Development Projects, the Contour Plan should reflect the true existing physical features of the site and may be prepared by the project proponent w.r.t. some permanent reference marks.	The project is a part of the M/s Shipra Estate Limited project namely Super Mega Mixed Land Use integrated Industrial Park, Village Nagla, Zirakpur. The Company Shipra has already provided Sewer and other amenities in the plotted development so the contour plan is not applicable.
6.	Status of construction, if any, along with photographs from all the four sides.	Submitted

7.	500 meter radius map of the area from periphery of project site clearly indicating the various industries (specifically red category industries) and structures lying in the area.	Submitted
8.	Complete details of following by making it an integral part of the conceptual plan/drawing/layout map:- i) Location of STP ; ii) Solid waste storage area. iii) Green belt iv) Parking space v) RWH and water recharge pits vi) Fire fighting equipment layout vii) First aid room viii) Location of Tubewells ix) DG Sets and Transformers	i. Marked ii. Marked iii. Marked iv. Marked v. Marked vi. Marked vii. Marked viii. Marked ix. Marked
9.	Permission of Competent Authority for; a) Water and Sewerage connection A letter from concerned Local Body/Authority giving details about existing status of sewer connectivity and availability of water supply in the area and acceptance of Local Body for taking the quantity of sewage to be generated by the proposed project and providing the water supply. Existing position of public sewer and water supply line duly marked on the lay out map/plan. b) Collection of Solid waste.	The project proponent has submitted that services of the Shipra Estate Ltd. will be used as it is the part of the project.
10.	Water balance chart for summer, rainy and winter seasons indicating critical requirements.	Submitted
11.	Availability of adequate land for use of treated sewage and plantation.	Not Applicable
12.	Analysis reports of ambient air, ground water and noise levels from NABL/MoEF Accredited laboratories as per detail below: (i) The monitoring of groundwater, ambient air quality, noise & soil can be carried out after at least 72 hours advance intimation to SEIAA, Punjab at the e-mail id: seac_pb@yahoo.com and concerned	Submitted

	<p>Regional Office of Punjab Pollution Control Board.</p> <p>(ii) The field data sheets as prescribed by SEIAA, Punjab which are available on the official website of SEIAA, Punjab along with exact location of sampling / monitoring point marked on the layout map should be filled at the time of sample collection/monitoring by the Lab and should be attached with the water, air, noise & soil monitoring reports.</p> <p>(iii) Water, air, noise & soil monitoring reports more than 6 months old or prior to date of signing of consent letters/agreement with the land owner shall not be accepted w.e.f. June, 1st 2015 onwards.</p> <p>(iv) At least one groundwater sample from the shallow / first aquifer and in case groundwater is to be abstracted for drinking purposes then at least one groundwater sample from the said aquifer should be monitored and reports be attached accordingly.</p> <p>(v) The noise monitoring is to be carried out from all the corners of the project site as well as from the center of the project site and reports be attached accordingly.</p>	
13.	Quantification of energy saved and renewable energy devices used.	Submitted
14.	Drawing showing plumbing systems for use of fresh, treated and hot water	Submitted
15.	Construction schedule (PERT/CPM Chart)	Submitted
16.	<p>Undertaking(s) for ;</p> <p>a) Constitution of Environment Monitoring Cell</p> <p>b) Use of ready mix concrete or use of fly ash during construction.</p> <p>c) To provide Fire Fighting System</p> <p>d) To provide wind breaking curtains and water sprinkling system to minimize dust emissions during construction phase.</p> <p>e) To provide adequate safety measures for the construction workers during the construction phase.</p>	Submitted

17.	<p>Environmental Management Plan indicating the following:</p> <p>a) All mitigation measures for each item-wise activity to be undertaken during the construction, operation and the entire life cycle to minimize adverse environmental impacts as a result of the activities of the project.</p> <p>b) Compliance of various environmental regulations</p> <p>c) Steps to be taken in case of emergency such as accidents at the site including fire.</p> <p>d) For how long period the project proponent will be responsible for implementation of EMP and the name of the person(s) responsible for implementation of EMP.</p> <p>e) Capital & recurring cost for the EMP per year and the details of funds for the same.</p> <p>f) Name of the individual persons / organization, who will be responsible for implementation of EMP after the lapse of the period for which the project proponent is responsible.</p>	<p>a) submitted</p> <p>b) submitted</p> <p>c) submitted</p> <p>d) Director of the company will be responsible for implementation of EMP till the handing over of the project to MC or GMADA who so ever takes over the project.</p> <p>e) Rs. 133 lacs as capital cost, Rs. 9.5 lacs as recurring cost & Rs. 5.90 lacs /annum for monitoring of air, noise & water as recurring cost will be incurred in construction phase whereas in operation phase, Rs. 12.5 lacs as recurring cost, Rs. 6.90 lacs /annum for monitoring of air, noise & water as recurring cost will be incurred.</p> <p>f) After the lapse of the period for which the project proponent is responsible, association of residents or MC or GMADA who so ever takes over the project.</p>
18.	<p>Corporate Social Responsibility indicating various activities to be undertaken, provisions of funds for the same, the period for which the same is to be implemented and the person(s) responsible for the implementation of the same.</p>	<p>The project proponent has proposed to spend Rs. 10 lacs towards CSR activities by providing scholarship to children of weaker section for studies of students of village Nagla, Bhankhpur, Shatabpur and Gazipur. Director of the company will be responsible for its implementation of the CSR.</p>
19.	<p>Traffic Circulation System and connectivity with a view to ensure adequate parking, conflict free movements, Energy efficient Public Transport.</p>	<p>Submitted</p>

20.	Disaster/Risk Assessment and Management Plan	submitted
21.	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.	submitted
22.	In case of expansion projects, compliance report of earlier granted environmental clearance conditions verified by Northern Regional Office of Ministry of Environment, Forests & Climate Change, Chandigarh.	Not applicable
22.	Copy of presentation to be made before the SEAC at the time of appraisal in PDF format having size less than 25 MB.	Submitted
23.	The process of submitting an application for obtaining environmental clearance has been made completely online and after the acceptance of environmental clearance application by SEIAA, the system generates an automated acknowledgement asking project proponent to submit hard copy of the accepted application. If project proponent is asked to submit hardcopy prior to scrutiny of environmental clearance application online by SEIAA or after its acceptance by SEIAA, then the project proponent will submit a hard copy of the environmental clearance application along with other documents.	submitted
24.	<p>For expansion projects:</p> <p>i. All the columns in the application form may be got filled in three parallel columns i.e. Existing, Proposed and Total.</p> <p>ii. In case of increase in no. of storeys, Structural Safety/ Stability Certificate may be required from the Approved Engineer.</p> <p>iii. The existing building plan may be got super imposed with the proposed building plan and be marked in different colors.</p> <p>iv. Specify the adequacy of internal water supply system, sewer line and STP for the proposed expansion/revision.</p>	Not Applicable
25.	The project site might be falling within a distance of 10 kms from the wildlife	Not Applicable

	sanctuary and the project proponent is required to submit either documentary proof to the effect that Wildlife Sanctuary is more than 10 kms from the project site. In case, the same is within 10 kms radius then, the project proponent will file an application before the concerned DFO, Wildlife for obtaining NBWL permission and submit acknowledgement along-with copy of application submitted to concerned DFO Wildlife for obtaining permission from NBWL.	
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Environmental Engineer, PPCB, RO, Mohali was requested vide email dated 05.03.2018 to send the construction status of the project site. Environmental Engineer, PPCB, RO, Mohali vide his return email dated 06.03.2018 has reported that M/s Shipra Estate Ltd. has obtained NOC from the Board for its project named as "Super Mega Mixed Use Integrated Industrial Park Project Phase-1" at Village Bhankarpur, Shatabgarh, Barkarpur, Chatt and Nagla, Tehsil Dera Bassi, Distt. SAS Nagar vide no. 14.03.2017, valid up to 04.01.2018 for the development of project in an area of 110.12 acre (4, 45, 633.616 sqm) having 68 residential plots, 1320 flats in group housing, 68 row houses, 200 EWS houses, 250 shops, 229 units for IT and ITES industries and community site like primary school, high school, hospital, dispensary and religious building. The site of the project was visited by him on 05.03.2018 and it was observed that no construction activity has been started at the site. However, the construction work of a school namely Manav Mangal Smart School has been completed. As per the information provided by the representative of the promoter company, the site of school has been sold out and the site will remain a part of the proposed project as per lay out plan. The sewer line and storm water line has been laid in part of the area. Further, it was observed that M/s Ajay Gelatine, Village Nagla, engaged in the manufacturing of technical gelatine is located at a distance within 500 m radius from the boundary of the proposed site.

The case was considered by SEAC in its 163rd meeting held on 13.03.2018, which was attended by the following on behalf of project proponent:

- (i) Sh. Bhupinder Singh, Manager-Corporate Affairs, Promoter Company.
- (ii) Sh. S. Dutta, FAE, M/s CPTL, Chandigarh, Environment consultant of the promoter company.

Environmental consultant of the project proponent presented the salient features of the project wherein he proposed to discharge the treated waste water into the MC sewer which is available at about 700m from the project site or he can discharge the treated waste water into the main trunk sewer of the Super Mega Project.

The SEAC observed that proposed group housing project site is coming in an area development project namely "Super Mega Mixed Use Integrated Industrial Park" being developed by M/s Shipra Estates Limited and the environmental clearance granted to M/s Shipra Estates Limited for area development project is valid up to 20.06.2018. The said environmental clearance was granted to the project subject to his proposal that during the first five years, the treated wastewater will be used for D.G. set cooling, flushing and horticulture purposes by providing proper distribution network. No wastewater shall be discharged into drain/Ghaggar river and excess treated wastewater shall be discharged to artificial water ponds and irrigation of roadside plantation. The Project Proponent of the area development project had stated that the sewer connection will be made available by Municipal Council, Zirakpur in next 2-3 years. Therefore, after 5 years, the excess treated waste water shall be discharged into public sewer, however, even after about 07 years period, no sewer connectivity is available in the vicinity of the area development project with the public sewer. The SEAC further observed that the main trunk sewer of "Super Mega Mixed Use Integrated Industrial Park" Project is not connected anywhere for final disposal.

After detailed deliberations, SEAC decided to defer the case till the project proponent submits a self-declaration by M/s Shipra Estate Ltd. stating that responsibility of proper arrangements for the disposal of treated waste water of the entire area development project namely Super Mega Mixed Use Integrated Industrial Park of which proposed group housing project namely Sushma Valencia is part and undertake to get their project sewer line connected with the main trunk line sewer/ public sewer of the area within the validity period of environmental clearance granted to it. Presentation for technical appraisal of the case will be given by Environmental Consultant of the project proponent after submission of the said declaration by M/s Shipra Estates Limited.

Accordingly, the project proponent was requested vide letter No.414 dated 27.03.2018 to submit the reply to the observations, which was taken on record by the

SEAC.

The case was considered by the SEAC in its 166th meeting held on 24.05.2018, which was attended by the following on behalf of the project proponent:

- (i) Sh. Bhupinder Singh Bedi, Manager Corporate Affairs.
- (ii) Sh. S. Dutta, FAE, M/s CPTL, Mohali, Environment consultant of the promoter company.

The project proponent submitted reply online on 04.04.2018 to the aforesaid observation by way of an letter no. 1813 dated 20/03/2018 from M/s Shipra Estates Ltd. addressed to the Director of M/s Suksha Developers Pvt. Ltd. In the said letter, it has been mentioned that M/s Shipra Estates Ltd. was accorded environmental clearance vide letter no. 2129 dated 21/06/2011 extended vide letter no. 3127 dated 22/08/2016 upto 20.06.2018. They have already installed the sewerage and storm water disposal systems and laying off roads/services for the plots failing in Residential pockets R1 and R4 forming project "Sushma Valencia" to be developed by Suksha Developers Pvt. Ltd. Further, if Sushma Valencia is unable to obtain the sewerage connection then they will provide Green area/Pont/Land in terms of their commitment made in the EC application while obtaining Environmental clearance. Even, if Suksha Developers Pvt. Ltd. wants to obtain an independent connection from Municipal Council, Zirakpur for Sushma Valencia project, they shall render all the possible assistance required in terms of providing access to sewerage connectivity through their project land.

The SEAC observed that the reply submitted by project proponent to the observations regarding proper arrangement of disposal of treated waste water is not satisfactory.

After detailed deliberations, SEAC decided to defer the case till the project proponent submits a concrete proposal in the shape of letter from Municipal Council, Zirakpur alongwith route map of the sewer line to be laid on the layout plan.

Item No.166.23: Application for environmental clearance under EIA notification dated 14.09.2006 for the establishment of a group housing project namely "Insignia" located at Daunmajra, Kharar, S.A.S Nagar Mohali by M/s Virtue Land Developers (P) Ltd., SCO 40-41, Sector 9-D Madhya Marg, Chandigarh, Proposal No. SIA/PB/NCP /71603 /2017

The SEAC observed that:-

M/s Virtue Land Developers (P) Ltd. has applied for obtaining environmental clearance under EIA notification dated 14.09.2006 for the establishment of a group housing project namely **Insignia** located at Daunmajra, Kharar, S.A.S Nagar Mohali. The project is covered under category building construction 8 (a) of the Schedule appended to the said notification.

The details of the project as given in Form 1, Form 1A and other documents are as under:

Sr.no.	Project Details	
1.	Type of Project	Group Housing
2.	Category	8 (a)
3.	Total Project land Area	21294 sqm
4.	Built-up Area	57634 sqm
5.	No. of Flats	614 flats
6.	Population	3070 Persons

- The area of the site has been earmarked as residential area in the Master Plan.
- The project proponent has submitted NOC from DFO, SAS Nagar Mohali for construction of approach road to the proposed group housing project vide letter no. 1069 dated 09.05.2017 wherein it has been mentioned that approach road to the site to be developed by M/s Virtue Land Developers for proposed group housing project is to be laid at KM 17.600 (RHS), NH-21, on Kharar-Kurali Road, Daunmajra, Kharar. The Govt. of India vide its letter no.9-PBC339/2015-CHA dated 20.08.2015 has granted permission for widening of this road and with this permission, the portion of Kharar-Kurali-Ropar Road has been diverted due to which neither the forest land / tree is affected nor the section 4-5 of PLPA, 1900 are applicable to the revenue where the construction of approach road to the proposed group housing project has been proposed.
- The project proponent has submitted NOC from NHAI vide letter no.42 dated 21.06.2017 wherein access to private property of M/s Virtue Land Developers located at Kharar-Kurali Road, NH-21(New NH-205) in the Village Radiala & Village Daunmajra, Kharar at 17.60 KM (RHS) has been granted subject to the conditions mentioned therein.
- The total water requirement in the project will be 438 KLD which includes domestic water demand @414 KLD and green area water demand @24 KLD. The fresh water requirement @ 276 KLD will be met through own tubewell.
- The total wastewater generation from the project will be 331 KLD which will

be treated in a STP of capacity 350 KLD (keeping in view of the quantities of the wet weather flow). In summer season, the project proponent has proposed to utilize 138 KL/day of treated wastewater for flushing purpose, 24KLD for green area & 136 KLD onto land for irrigation till they get sewer connection from MC. In winter season, 138 KL/day of treated wastewater for flushing purpose, 8 KLD for green area & 152 KLD onto land for irrigation till they get sewer connection from MC. In rainy season, 138 KL/day of treated wastewater for flushing purpose, 4 KLD for green area & 156 KLD onto land for irrigation till they get sewer connection from MC.

- The location of existing sewer of MC Kharar from its project site on layout plan has not been marked by the project proponent. The project proponent has submitted a copy of agreement signed between M/s Virtue Land Developers Private Limited (Promoter Company) & Sh. Darshan Singh S/o Sh. Piyara Singh, Resident of Village Khanpur, Tehsil Kharar, SAS Nagar (Land Owner) wherein the promoter company can discharge its treated waste water onto land for irrigation from 01.12.2017 to 31.10.2018 on land measuring 19 bighe 4 biswe.
- About 4348 sqm area will be developed for green area at site.
- The project proponent has submitted that they will discharge treated waste water onto land for irrigation till they get sewer connection from MC.
- The total quantity of solid waste generation will be 1228 kg/day (400 gm/capita/day). Solid waste will be collected separately as biodegradable and Non-biodegradable waste as per the MSW Rules, 2016. Chute system will be provided to transfer the segregated solid waste from different floors. Biodegradable waste will be composted through Mechanical Composter. The non-biodegradable waste & Recyclable waste will be sold to authorized venders. Inert waste will be sent to Municipal dumping site.
- The total load of electricity required for the project will be 3200 KW which will be taken from PSPCL. There is a proposal to install 5 no. silent DG Sets (1 X 500 KVA, 2X 240 KVA & 2 x 125 KVA) as stand-by arrangement.
- The project proponent has also proposed to provide rain water harvesting pits to recharge the rain water.
- Solar energy will be used for street lights as well as in the parks in phased manner.

- LED lamps and energy efficient electrical gadgets shall be used.
- As per the energy saving detail, total energy saved per day will be 261 KW/h.
- Used oil to be generated from the DG sets will be stored in HDPE tanks and sold to the authorized recyclers.
- The ambient air as well as ground water monitoring has been got done for all the parameters as prescribed in the NAAQM and IS: 10500. The concentration of all the parameters is found in the permissible limits.
- Director of the company will be responsible for implementation of EMP till the handing over of the project to MC or association of residents.
- For implementation of EMP, Rs. 96 lacs as capital cost, Rs. 8 lacs as recurring cost & Rs. 5.90 lacs /annum for monitoring of air, noise & water as recurring cost will be incurred in construction phase whereas in operation phase, Rs. 10.5 lacs as recurring cost, Rs. 6.90 lacs /annum for monitoring of air, noise & water as recurring cost will be incurred.
- The project proponent has proposed to spend Rs. 5 lacs towards CSR activities and Director of the company will be responsible for its implementation. The list of activities are as under: -
 - a) Providing jobs to nearby people will be given priority
 - b) Widening of road in the vicinity of the project.
 - c) Providing toilets in government schools
 - d) Parks will be maintained in MC Zirakpur
 - e) Environmental Awareness Camps in the 10 km area.

Environmental Engineer, PPCB, RO, Mohali was requested vide email dated 15.12.2017 to send the construction status of the project. Environmental Engineer, PPCB, RO, Mohali vide letter no. 5772 dated 19/12/2017 has reported that the proposed site of the project was visited by AEE on 15.12.2017 and Sh. Harpreet Kaushik, representative of the promoter company was contacted. During the visit, it was observed as under:

- a) The proposed site of the promoter company is located on Kharar-Kurali Road, Kharar, SAS Nagar. As per the boundaries of the proposed site shown by the representative of the promoter company, the project is abutting to the Kharar-Kurali road on one side, Nirankari Bhawan on second side and agricultural fields on remaining two sides.

- b) The promoter company was in the process of construction of boundary wall along the boundary of the project.
- c) One guard room has been constructed at the site of the project and no construction activity of the main project has been started at the site of the project.

From the perusal of visit report sent by EE, Punjab Pollution Control Board, RO, Mohali, the SEAC in its 162nd meeting observed that no construction activity of the main project has been started at the site of the project and thus it is not a case of violation of EIA Notification. Thus, SEAC allowed the project proponent to present the salient features of the project.

Following were present on behalf of the project proponent in the 162nd meeting of SEAC held on 15.02.2018:

- (i) Sh. Harpreet Kaushik, Liaison Officer, Promoter Company
- (ii) Sh. Sumitava Dutta, FAE, M/s CPTL, Chandigarh, Environment consultant of the promoter company.

Sh. Sumitava Dutta, environmental consultant of the project proponent started the presentation. During the presentation, the SEAC observed that the project proponent has submitted a copy of agreement signed between M/s Virtue Land Developers Private Limited (Promoter Company) & Sh. Darshan Singh S/o Sh. Piyara Singh, Resident of Village Khanpur, Tehsil Kharar, SAS Nagar (Land Owner) allowing the promoter company to discharge its treated waste water onto land for irrigation on land measuring 19 bighe 4 biswe w.e.f. 01.12.2017 to 31.10.2018. The SEAC observed that this arrangement made by the project proponent for the disposal of treated waste water is not satisfactory as the agreement made with the farmers can be revoked by either party any time. The SEAC further observed that there is no sewer connectivity available in the vicinity and no proposal of any local body to lay the sewer in the area has been submitted by the Project Proponent.

After detailed deliberations, the SEAC decided to defer the case till such time the project proponent submits a concrete proposal for the disposal of treated waste water from the project. The complete presentation of the project will again be given by Environmental Consultant of the project proponent to the SEAC for technical appraisal of the case.

Accordingly, ADS (Additional Detail Sought) were raised online on 27.02.2018 and the reply of the project proponent was received on 07.03.2018. The project proponent has attached a letter No. 608 dated 05.03.2018 issued by GMADA, which was placed before the SEAC for perusal.

The case was considered by the SEAC in its 163rd meeting held on 13.03.2018, which was attended by the following on behalf of project proponent:

- (i) Sh. Ankit Sidana, Managing Director of the Promoter Company
- (ii) Sh. Sumitava Dutta, FAE, M/s CPTL, Chandigarh, Environment consultant of the promoter company.

The SEAC observed that Supdtt. Engineer(C-I), GMADA, SAS Nagar vide letter no. 608 dated 05.03.18 has informed that the project being approved by the Competent Authority and located in Master Plan of Mohali, GMADA will provide trunk services like water supply and sewerage for project against the External Development Charges. Since presently these services have not been provided at the site by GMADA, Project proponent will have to make his own arrangements at his own cost for these services till such time these services are provided by GMADA.

The SEAC observed that letter of GMADA submitted by the project proponent does not satisfy its observation made during the previous meeting and project proponent has still not given any satisfactory alternate disposal arrangements for the treated waste water in the absence of connectivity with the public sewer.

To this observation, the project proponent offered to submit irrevocable lease deed of 4 acres land for a period of 05 years to take care of the treated waste water of the project. The SEAC decided that irrevocable lease agreement to be signed between project proponent and land owner of adjoining 04 acres land shall be prepared and certified to be correct in the eyes of laws by any registered Advocate member of bar council. The project proponent and land owner shall also undertake that the said 04 acres parcel of land will be solely used for the purpose of discharge of the treated waste water to be generated from the proposed project and the land will be developed as per Karnal technology for proper utilization of the waste water. The said land will not be sold or put into any other use during the lease agreement period. The period of lease agreement will be suitably extended in case sewer connectivity is not available to the project site after 05 years.

After detailed deliberations, SEAC decided to defer the case till the project proponent submits lease agreement and undertaking as above.

Accordingly, the project proponent was requested vide letter No.410 dated 27.03.2018 to submit the reply to the observations, which was taken on record by the SEAC.

The case was considered by the SEAC in its 166th meeting held on 24.05.2018, which was attended by the following on behalf of the project proponent:

- (i) Sh. Ankit Sidana, Managing Director.
- (ii) Sh. S. Dutta, FAE, M/s CPTL, Mohali, Environment consultant of the promoter company

The project proponent submitted reply online on 04.04.2018 to the aforesaid observation, wherein it was mentioned that

1. 614 apartments are proposed to be constructed in the Affordable Group Housing Project namely "Insignia" proposed to be developed in Village Daun Majra (HB 76) on Kharar- Ropar road, outside Municipal limits of Kharar.
2. It is clarified that assuming 5 persons in each apartment total population will be 3070 persons and requirement of water @ 135 litres per person per day works out to be 3070 X 135 litre/person/day i.e. 414 cum per day out of which fresh water requirement is 276 KLD & balance 138 KLD will be required for flushing and 24 KLD will be required for green areas only.
3. While designing the Sewerage Scheme, it has been assumed that 80% of the domestic water requirement i.e. 80% of 414 KLD i.e. 331.20 KLD will reach the Sewerage Network and a design factor at the rate of 3 times of DWF was taken into account. The complete network has been designed by using S.W pipes of appropriate size (minimum size of 200 mm Dia SWP has been considered as per Pb. PWD norms) and by considering half running full, with a self-cleaning velocity of 2.5 feet per second, the size of proposed SW pipes varies from 200 mm to 400 mm diameter up to the 500 KLD capacity Sewerage Treatment Plant, for which site has been earmarked.
4. The installation of STP will be certified by an independent expert and a report in this regard will be submitted to Ministry of Environment & Forests, New Delhi

before the project is commissioned. The STP will be able to treat the sewage to the desirable level as per the norms fixed by PPCB/MoEF.

5. 162 KLD treated waste water will be reused and balance 136 KLD effluent will first be stored in UGSR having 50000-gallon storage capacity and thereafter be supplied to nearby fields as per their requirement from time to time.
6. It will take about 3 years to complete the project and handover possession to owners of apartments. In case trunk sewer lines are not provided by end of years, they will make their own arrangement for carriage of treated waste water from STP/UGSR of this township to GMADA main sewer at Mohali or Municipal Council, Kharar through 30 tankers on daily basis. No sullage water shall be thrown in the open. It will be their responsibility to connect the sewerage network of this township with trunk services at their own cost & expenses as & when laid by GMADA or MC.
7. Circular manholes and vent shafts shall also be provided in the township.

The SEAC observed that replied submitted by project proponent is not satisfactory.

After detailed deliberations, SEAC decided to defer the case till the project proponent submits a concrete proposal in the shape of letter from Municipal Council, Zirakpur alongwith route map of the sewer line to be laid on the layout plan.

Item No.166.24: Request letter dated 11.03.2018 made by M/s Deepak Buildcon Infrastructure, for exemption from installation of STP in their project namely "Cross Winds Luxury Homes" Near Lodhi Club Road, Shaheed Bhagat Singh Nagar, Ludhiana to whom environmental clearance has been granted.

The SEAC observed that:-

M/s Deepak Buildcon Infrastructure Pvt. Ltd. was granted Environmental Clearance under EIA notification dated 14.09.2006 by SEIAA, Punjab vide no. SEIAA/M.S./2012/36363 dated 30.08.2012 for developing a group Housing project namely "Cross Winds Luxury Homes" near Lodhi Club, Shaheed Bhagat Singh Nagar, Ludhiana with the total plot area as 5206.98 sq. m and built up area as 22, 228 sqm for construction of 99 flats (two blocks of 8 floors + ground floor each)

subject to the conditions mentioned therein including following main conditions related to the instant item:-

Part A. Specific Conditions: -

Operation Phase

- i) The installation of sewage treatment plant (STP) and adequacy of disposal system should be certified by Punjab Pollution Control Board and a report in this regard should be submitted to the Ministry of Environment & Forests/State Level Environment Impact Assessment Authority before the project is commissioned for operation. The discharge of treated sewage shall conform to the norms and standards prescribed by Punjab Pollution Control Board for such discharges. The project proponent shall discharge not more than 46 KLD of treated wastewater into public sewer.
- ii) The project proponent shall provide electromagnetic flow meter at the outlet of the water supply, outlet of the STP and any pipeline to be used for re-using the treated wastewater back into the system for flushing and for horticulture purpose/green etc. and shall maintain a record of readings of each such meter on daily basis.

Part B. General Conditions:-

- (vii) Separate distribution pipelines be laid down for use of treated effluent / raw water for horticultural/gardening purposes with different color coding.

The details of the water requirement, waste water generation and its disposal as mentioned in the environmental clearance letter are as under:-

“The total water requirement for the project will be 67 KLD, which will be met from MC water supply and permission in this regard will be obtained from MC Ludhiana. About 54 KLD of total wastewater will be generated, which will be treated in a sewage treatment plant of capacity 60 KLD and the STP will be installed based on SAFF technology. Out of total 49 KLD of total treated wastewater to be generated at the outlet of STP, 43 KLD will be discharged to MC sewer and 6 KLD will be utilized for irrigation of green area to be developed in 1755 sqm in summer season. In winter season, 44 KLD shall be discharged into sewer and 5 KLD shall be utilized for irrigation of green area. In rainy season, 46 KLD shall be discharged into sewer and 3 KLD will be utilized for irrigating green area.”

The project proponent requested to exempt them from installation of STP in subject cited project on the basis of following grounds as mentioned in their request letter:-

1. On the request of project proponent to MC Ludhiana on 2-11-2011, Municipal Corporation, Ludhiana has given permission to connect their sewer with the main sewer line of M.C Ludhiana and asked to deposit requisite charges of Rs. 7, 43, 527 in the M.C Ludhiana Fund vide letter no. 137/O&M/ZD dated 15-11-2011.
2. Executive Engineer (O&M), Municipal Corporation, Ludhiana vide letter no. 139/O&M/ZD dated 17-11-2011 has given NOC to take untreated sewerage water into sewer system of Municipal Corporation Ludhiana, after depositing charges framed by Government. The untreated sewerage will be treated in terminal sewerage treatment plant at village Balloke, having sufficient capacity to treat the effluent generated by residential project "Crosswind Luxury Homes". NOC in this regard is given by Municipal Corporation, The project will be allowed to make the connection of their sewer after commissioning of main sewer line by PWSSB Department.
3. The project proponent had deposited the requisite charges Rs. 7, 43, 527 (asked vide letter no. 137 dated 15-11-2011) in M.C Fund Ludhiana i.e. Rs. 4, 00, 000/- vide receipt no. 3633 dated 23-11-2011 and Rs. 3, 50, 000/- vide receipt no. 4029 dated 19-12-2011
4. The project proponent has further informed that Crosswind Luxury Homes has provision of septic tank and the outlet of septic tank has been connected with main sewer line of Municipal Corporation since year 2013 i.e. at the initial stage of occupancy in residential complex. Necessary clarification in this regard is given by Municipal Corporation, Ludhiana vide letter no. 1015/XEN/O&M/ZD dated 21-3-2017 (copy Attached).
5. Further for irrigation purpose of green belt area (0.43 acres), the project proponent is using portion of treated water from septic tank outlet which has been tested by PPCB laboratory on dated 14-3-2017 and found concentration of all the parameters within the permissible limits. (copy attached)

As per above mentioned facts, the condition imposed for STP installation at the Complex by SEIAA, Punjab is already fulfilled and complied with as per

clarification of the Municipal Corporation, Ludhiana, hence there is no need of installing separate STP for the complex. The documents have been enclosed by the project proponent with its request letter.

Thus, the project proponent has requested SEIAA to exempt them from installation of STP in the Complex.

The matter was considered by SEIAA in its 129th meeting held on 23.03.2018, however, no one on behalf of project proponent attended the said meeting.

After detailed deliberations, the SEIAA decided that the matter be referred to SEAC for examination and appropriate recommendations.

The case was considered by the SEAC in its 166th meeting held on 24.05.2018, which was attended by Sh. Surjit Singh, Deputy General Manager on behalf of the project proponent. He apprised the SEAC as under:-

1. That Municipal Corporation, Ludhiana has given permission to connect their sewer with the main sewer line of M.C Ludhiana and asked to deposit requisite charges of Rs. 7, 43, 527 in the M.C Ludhiana Fund vide letter no. 137/O&M/ZD dated 15-11-2011.
2. That Executive Engineer (O&M), Municipal Corporation, Ludhiana vide letter no. 139/O&M/ZD dated 17-11-2011 has given NOC to take untreated sewerage water into sewer system of Municipal Corporation Ludhiana, after depositing charges framed by Government. The untreated sewerage will be treated in terminal sewerage treatment plant at village Balloke, having sufficient capacity to treat the effluent generated by residential project "Crosswind Luxury Homes". NOC in this regard has been issued by Municipal Corporation. The project will be allowed to make the connection of their sewer after commissioning of main sewer line by PWSSB Department.
3. They had deposited the requisite charges Rs. 7, 43, 527 (asked vide letter no. 137 dated 15-11-2011) in M.C Fund Ludhiana i.e. Rs. 4, 00, 000/- vide receipt no. 3633 dated 23-11-2011 and Rs. 3, 50, 000/- vide receipt no. 4029 dated 19-12-2011

4. Crosswind Luxury Homes has provision of septic tank and the outlet of septic tank has been connected with main sewer line of Municipal Corporation since year 2013 i.e. at the initial stage of occupancy in residential complex. Necessary clarification in this regard is given by Municipal Corporation, Ludhiana vide letter no. 1015/XEN/O&M/ZD dated 21-3-2017 (copy Attached).
5. They are using a part of treated water from septic tank for irrigation in an area of 0.43 acres. After treatment in septic tank, treated effluent has been tested by PPCB laboratory on dated 14-3-2017 and found concentration of all the parameters within the permissible limits.

As per above mentioned facts, there is no need of installing separate STP for the complex and requested to exempt them from installation of STP in the Complex.

After detailed deliberations, SEAC decided to forward the case to SEIAA with recommendation to accept the request regarding allowing exemption from installation of STP in the Complex to the project proponent.

Item No.166.25: Application for obtaining environmental clearance under EIA notification dated 14.09.2006 for establishment of group housing project namely "Royal Avenue" located at Village Naushehra, Distt. Amritsar, Punjab by M/s V. V. Builders (Proposal No. SIA/PB/NCP/73971/2018)

The case was considered by the SEAC in its 166th meeting held on 24.05.2018, which was attended by the following on behalf of the project proponent: -

- (i) Sh. Aman Nanda, Partner of the Promoter company.
- (ii) Sh. S. Dutta, FAE, M/s CPTL, Mohali, Environment consultant of the promoter company.

The case could not be taken up due to paucity of time. The SEAC decided to defer the case and same be placed in the next meeting of SEAC scheduled to be held on 26.05.2018 as first item.

The meeting ended with vote of thanks to the Chair.
