Agenda for the 134rd meeting of State Level Environment Impact Assessment Authority to be held on 09.07.2018 at 10:30 AM in Committee Room, Regional Office, Punjab Pollution Control Board, Mohali.

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Item No.134.01: Confirmation of the minutes of 133rd meeting of SEIAA held on 06.07.2018.

The proceedings of 133rd meeting of SEIAA held on 06.07.2018 are being prepared and the same will be circulated to all concerned after its approval. For its confirmation, the item will be placed before the SEIAA in its next meeting.

Item No.134.02: Action taken on the proceedings of 133rd meeting of SEIAA held on 06.07.2018.

Action taken on the proceedings of 133rd meeting of SEIAA held on 06.07.2018 will be taken on its approval. The action taken report will be placed before the SEIAA in its next meeting.

Item No. 134.03: Application for issuance of ToRs for carrying out EIA study for obtaining environmental clearance under EIA notification dated 14.09.2006 for expansion of a Group Housing Project namely " Homeland Heights" located at Sector-70, SAS Nagar (Mohali), Punjab by M/s. Homeland Buildwell Pvt. Ltd. (Proposal no. SIA/PB/NCP/22978/2018)

The SEAC was apprised that M/s. Homeland Buildwell Pvt. Ltd. was earlier granted Environmental Clearance by SEIAA, Punjab vide letter number SEIAA/2014/5863 dated 24.01.2014 for construction of a Housing Project namely "Homeland Heights" having total built up area 50,837.34 sqm (37,126.04 sqm for all the floors+ 13,711.30 sqm for basement) in Sector-70, SAS Nagar (Mohali), Punjab, subject to the certain conditions.

An application has now been filed for obtaining the Environmental Clearance of the project for total built up area of 84448.397 sqm. with the said expansion. The Project proponent has informed that they continued to carry on construction and expedited the same as far as possible to complete the project within scheduled time period and also all along trying to comply with various regulations and getting clearances from time to time from the concerned departments. There has been no default or violation of any provisions except the delay in applying for EC for the revised area though here too they have already taken care of all set up accordingly duly installed & operational as may be required for total built up area.

Project proponent further submitted that being a case of violation of the provisions of EIA notification dated 14.09.2006 and as per amendment notification No S.O. 804 (E) dated 14-03-2017, they have submitted online application vide proposal no. IA/PB/NCP/68564/2017 on 13/09/2017 to MOEF&CC, for issuance of TORs for obtaining Environmental Clearance for expansion of residential project located at Sector-70, SAS Nagar (Mohali), Punjab.

SEAC was apprised that MoEF&CC has issued amended notification No S.O.1030 (E) dated 08/03/2018 wherein the power to decide the violation cases of category 'B' projects have been delegated to SEIAA & SEAC, which were earlier vested with MoEF&CC, New Delhi. Procedure for considering the cases has been laid down in

paras (4) & (5) of the notification. Accordingly, MoEF&CC, New Delhi has transferred proposal no. IA/PB/NCP/68564/2017 dated 13.09.2017 to SEIAA vide proposal no. SIA/PB/NCP/22978/2018 on 28/03/2018 for appraisal of the project in compliance to the amended notification dated 08.03.2018.

The case was considered by the SEAC in the meeting which was attended by the following on behalf of the project proponent: -

(i) Sh. Vijay Gupta, Project Advisor.

(ii) Sh. Sital Singh M/s CPTL, Mohali, Environment Consultant

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

Sr. No.	Description	EC Accorded	Proposed	Total (After Expansion)
1.	Total Plot Area	18,623.325 m^2 (or 4.6019 acres)		
2.	Built-up Area	50,837.34	33,611.057	84,448.397
3.	Estimated Population	1,380 Persons		
4.	Total Water Requirement	207 KLD (@ 150 lpcd)	-	186 KLD (@ 135 lpcd)
5.	Fresh water Demand	145 KLD	-	124 KLD
6.	STP capacity	175 KLD	25 KLD	Existing STP of 200
7.	Solid waste generation	554 kg/day		
8.	Rain water recharging Pits	5 Pits		
9.	Power Load	2,400 KVA	1,461 KVA	3,861 KVA

- The project site is located at Sector-70, SAS Nagar (Mohali), Punjab. The land was allotted by GMADA for the development of the residential project. Hence, housing project has been constructed on the allotted land of the project site.
- The built up area of the project has been increased from 50,837.34 sqm to 84,448.397 sqm.
- Total Cost of the project is Rs.345.75 Crore

- Total water requirement for the project after full occupancy will be 186 KLD, out of which 124 KLD is fresh water requirement, 62 KLD for flushing. The water demand is through own borewells provided within the project premises.
- About 149 KLD of wastewater will be generated from the project after full occupancy which is treated in existing STP of 200 KLD capacity based on MBBR Technology provided within the project premises. Treated water has been recycled for horticulture and flushing. The remaining treated wastewater will be disposed off to GMADA sewer.
- 554 kg/day domestic solid waste will be generated from project after full occupancy; Collection system has been provided for collection of domestic waste in colored bins i.e. for dry recyclables, bio-degradable waste & non-biodegradable waste. Separate area is earmarked for the segregation of the waste. Bio- Degradable wastes including horticultural waste will be composted by use of Mechanical composter and used for gardening purposes. Recyclable wastes is being sold off to recyclers.
- The total power load is 3,861 KVA. Power is being supplied by Punjab State Power Corporation Limited (PSPCL). Power backup for the project has been provided through 5 number of DG sets of total capacity 2,260 KVA (i.e. 3× 500 KVA +
- 2×380 KVA). At present, only 1 DG set has been installed of capacity 500 KVA.

- 5 no. of Rain Water Recharging pits have been constructed for artificial rain water recharge within the project premises.
- Adequate parking space of 610 ECS has been provided within the project.

To a query regarding site suitability of the project, the project proponent stated that the land has been allotted by GMADA vide letter no. 17938 dated 26.07.2013 for the development of the residential project. Hence the housing project has been constructed on the allotted land of the project site. Moreover, M/s. Homeland Buildwell Pvt. Ltd. has already obtained Environmental Clearance vide letter number SEIAA/2014/5863 dated 24.01.2014 for construction of a Housing Project namely "Homeland Heights" having total built up area 50,837.34 sqm and it is now a case of expansion by increase in the built up area only. No additional land has been acquired for the expansion project.

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 the said Notification.

To 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 SEAC observed that it is a case of violation of EIA Notification. After detailed deliberations, SEAC decided to recommend to SEIAA as under :-

1) 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: -

   a) 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 the following documents alongwith EIA report: -

   i) 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.

   ii) Certificate of accredited EIA Consultant organization with accredited sector of

NABET

iii) The project proponent shall submit compliance report of previous environmental clearance alongwith EIA report.

iv) In the remediation plant, the project proponent shall include the assessment, environmental compensation & remedial measures to be taken due to reduction in the green area with the expansion of the project.

Item No. 134.04: Application for issuance of ToRs for carrying out EIA study for obtaining environmental clearance under EIA notification dated 14.09.2006 for expansion of educational institute namely " Punjabi University Patiala" located at Chandigarh- Patiala Road, Patiala, Punjab by Registrar, Punjabi University, Patiala. (SIA/PB/NCP/23389/2018)

The SEAC was apprised that the project proponent had filed application for issuance of TOR under EIA notification, 2006 for expansion of the Existing University at Chandigarh- Patiala Road, Patiala. 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 312 acre and the total built up area after expansion will be 457832 sqm. The total cost of the expansion project is 120 crore.

Earlier, the project site consists of Administration building, hostel, class rooms & Dispensary with built up area of 385647 sqm. The detail of existing buildings are as under:

1	CONVOCATION HALL	2	ADMINISTRATIVE B-1
3	LIBRARY	4	GOBIND BHAWAN
5	PUNJABI BHAWAN	6	ARTS BLOCK
7	ARTS AUDITORIUM	8	STUDENTS HOME
9	BOYS HOSTEL	10	WARDENS HOUSE
11	CYCLE STAND	12	PAVILION
13	SEATING ARRANGEMENT	14	D-TYPE HOUSES
15	E-TYPE HOUSES	16	WATER TANK
17	PRESS BUILDING	18	MARKET
19	TEACHERS FLAT	20	DISPENSARY
21	M.D. RESIDENCE	22	NEW TEACHERS FLAT
23	FOUR ROOMED HOUSE	24	B-TYPE HOUSES
25	OLD C-TYPE HOUSE	26	NEW C-TYPE HOUSE
27	OLD A-TYPE HOUSE	28	NEW A-TYPE HOUSE
29	GIRLS HOSTEL	30	NUCLEAR S. LAB
31	WORKSHOP	32	E SUB STATION
33	TUBE WELL ATT.Q	34	SCIENCE BLOCKS
35	SCIENCE AUDITORIUM	36	GUEST HOUSE
37	BOTANICAL GARDEN	38	CHECK POST
39	XENS HOUSE	40	REGISTRAR HOUSE
41	VICE CHANCELLORS HOUSE	42	SCHOOL
43	GYMNASIUM	44	F-TYPE HOUSES

45	OBSERVATORY	46	LAW COLLEGE
47	RESEARCH SCHOLAR FLATS	48	F-TYPE HOUSES
49	INSTRUMENTATION C	50	XEN OFFICE
51	STORE	52	GURUDWARA
53	ENGINEERING COLLEGE	54	GURMAT SANGEET BHAWAN
55	ADMINISTRATIVE BLOCK II	56	PRODUCTION & SALE
57	JUICE BAR	58	WARIS BHAWAN
59	FACULTY CLUB	60	TEMPLE
61	BUS QUE SHELTER	62	MUSIUM & HERBARIUM
63	DISPOSAL	64	COMPUTER CENTRE
65	A. V. R. C. BUILDING	66	PHARMACIUTICAL BUILDING
67	PBI REFLAB	68	CAR/SCOOTER PARKING
69	NURSERY	70	TUBEWELL
71	SWITCH ROOM	72	BANK BUILDING
73	MILK BOOTH	74	ANIMAL HOUSE
75	WORKING WOMEN HOSTEL	76	CANTEEN & UNION OFFICE
77	SC.ST. HOSTEL FOR BOYS	78	SC.ST. HOSTEL FOR GIRLS
79	LAND SCAPING OFFICE	80	KALA BHAWAN
81	MAIN STORE	82	SECURITY OFFICE
83	I.M.D. HOUSE	84	TROPICAL PLANT HOUSE
85	SEED STORE	86	GREEN HOUSE
87	SHOPING CENTRE	88	UNITY PARK
89	BIO-TECH DEPARTMENT	90	DOME SHAPED MUSEUM
91	COFFEE HOUSE	92	ENQUIRY
93	GIRLS HOSTEL FOR U.C.O.E.	94	BOYS HOSTEL FOR U.C.O.E.
95	WORKSHOP FOR U.C.O.E	96	FITNESS CENTRE
97	MEDIA CENTRE	98	SYNTHETIC TRACK
99	MBA-IT	100	HOTEL MANAGEMENT
101	CLASS ROOM BLOCK	102	EXAMINATION
103	GURU GRANTH SAHIB BHAWAN	104	SPORTS HOSTEL
105	WORLD PUNJABI CENTRE	106	STAFF ACADEMIC GUEST HOUSE

The University has proposed to add Sports Complex, Teaching Departments, Hostels & Residences of staff with built up area of 72,185 sqm. The detail of proposed buildings are as under:

107.	MULTIPURPOSE GYMNASIUM HALL
108.	INDOOR SPORTS TRAINING FACILITY
109.	FITNESS CENTRE WITH SPORTS SCIENCE BACK UP
110.	SWIMMING POOL
111.	WOMEN HOSTEL

112.	PAVILION
113.	BADMINTON COURT
114.	100 BEDED SC GIRLS HOSTEL
115.	CENTRE FOR EXCELLENCE IN SPORTS
116.	TEACHERS FLAT
117.	RESEARCH SCHOLAR FLATS
118.	NEW E TYPE HOUSE
119.	NEW D TYPE HOUSE
120.	NEW HOSTEL
121.	NEW WORKSHOP U.C.O.E
122.	EXTENSION OF GIRLS HOSTEL FOR U.C.O.E
123.	EXTENSION OF BOYS HOSTEL FOR U.C.O.E
124.	EXTENSION OF U.C.O.E

- The total built up area of the institute after expansion will be 457832 sqm (existing
- @385647 sqm + proposed@ 72185 sqm) with population remaining same i.e.
- 22000. As the no. of students are not increasing with the proposed expansion, there will be no increase in vehicular traffic.
- The institute has been granted permission for change of land use for an area measuring 120 acres in revenue estate of Villages Shekhpura kambuan, Nasirpur kambuan, Karheri & Phalauli, Sub-Tehsil Patiala, District Patiala vide notification dated 27.03.1963 by the Educational Commissioner, Govt. of Punjab.
- About 9% of the area is marked for ground coverage and 91% for roads, green belt and other utilities.
- The total water requirement for the University at present is 1636 KLD including total fresh water requirement of 1586 KLD and the same is being met through borewell.
- The total wastewater generation from the project is 1358 KLD. The STP of capacity

- 1500 KLD has already been installed in the university to treat the waste water generated from different sources in the University. In summer season, the project proponent has proposed to utilize 50 KL/day of treated wastewater for flushing purpose, 654 KLD utilize for horticulture purposes & 627 KLD discharge into sewer.
- In winter season, 50 KL/day of treated wastewater for flushing purpose, 208 KLD
- for horticulture purposes & 1073 KLD discharge into sewer. In rainy season, 50
- KL/day of treated wastewater for flushing purpose, 58 KLD utilize for horticulture purposes & 1223 KLD discharge into sewer.
- About 115695 sqm green area is available for use of treated waste water.
- About 68537 m3 per annum of roof top rain water is being recharged with the help of 15 no. rain water recharging wells.

- The total quantity of Municipal Solid Waste which is being generated from the project has been estimated as 6150 ton per Day. The E-waste which is being generated per annum is 0.50 ton. The hazardous waste which is being generated is spent oil @1000 ltr per day. The Solid waste is being disposed off as per MSW Rules, 2000 and E-waste is being disposed off as per E-waste (Management & Handling) Rules, 2011.
- Total power requirement for the project is 6000KW which is provided by PSPCL.
- The DG sets provided in the University are two in number with capacity @ 500
- KVA each.
- Registrar of the University will be responsible for implementation of the EMP.

- Rs. 14 lacs as capital cost, Rs. 3 lacs as recurring cost & Rs. 0.8 lacs /annum for monitoring of air, noise & water as recurring cost will be incurred in construction phase. In operation phase, Rs. 315 lacs as capital cost, Rs. 9.50 lacs as recurring cost, Rs. 3.5 lacs /annum for monitoring of air, noise & water as recurring cost will be incurred.

  The project proponent has proposed to spent Rs. 100 lacs towards CSR activities on the following activities: -

  a) Free dispensary.

  b) Free education for poor students.

  c) Free medical facilities to the students and staff.

The project proponent has submitted copy of acknowledgement alongwith set of application applied online for obtaining permission from NBWL as the site of University is falling within radius of 10 Kms of Bir Moti Bagh Wildlife Sanctuary

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

Dr. Devinder Singh Sidhu S/o Sh. Balinder Singh age 54 is the Registrar of Punjabi University Patiala and he has filed the application for obtaining TOR as applicant.

Environmental Engineer, PPCB, RO, Patiala was requested vide email 22.12.2016 to send the latest construction status of the University site. Environmental Engineer, PPCB, RO, Patiala vide his return email dated 03.01.2017 has reported that the proposed site of the project was visited by AEE & JEE of this office on 03.01.2017 and Sh. Manjit Singh, JE was contacted. During the visit, it was observed that construction of new fitness center in front of guest house of the university was in progress. The representative of the university informed that the same has been started one & half year back and will be completed soon. Other than this center, no major construction was observed.

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

(i) Sh. Manjeet Singh, Executive Engineer, Punjabi University, Patiala

(ii) Sh. Sital Singh, M/s CPTL, Chandigarh, Environmental Consultant of the University.

On perusal of the visit report sent by EE, RO, Patiala, the SEAC observed that construction of new fitness center in front of guest house of the university has been started one & half year back & is in progress. Other than this center, no major construction has been undertaken.

To this query, the Executive Engineer informed the SEAC that construction work on building no.109 i.e. New Fitness Centre is under progress but no construction activity other than this related to the expansion component of the project has been undertaken by the University. The University submitted year-wise details of the built up area 2003 onwards on the prescribed proforma sent by SEIAA. From perusal of the said area statement, the SEAC observed that major construction work has been done by the University since July 2004 onwards and even after 14.09.2006. The SEAC also observed that as per detail of the existing built up area, it is not matching with the total built up area provided in the application i.e. 3,85,000 sqm. The SEAC further observed that the University is still violating the provisions of EIA notification, 2006 inspite of notice issued by the SEIAA 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. The SEAC also noticed that as per relevant

portion of copy of MOA submitted by the project proponent, the officers of the University are (i) the Chancellor (ii) the Vice Chancellor (iii) the Registrar (iv) the Dean of the Faculties & (v) such other persons in the service of the University as may be declared by the Statutes to be the officers of the University. Moreover, as per copy of note page 2/N dated 20.10.2016 attached with the environmental clearance application wherein the details of responsibilities and duties of various officers have been provided, Vice Chancellor of the University is Chief Executive Officer-cum-Administrative Officer. Vice Chancellor is also Ex-Officio Chairman of Senate, Syndicate, Academic Council & Finance Committee. Registrar is the full time Administrative Officer of the University. Registrar is also Ex-Officio Secretary of Senate, Syndicate, Academic Council and Finance Committee. As such, the responsible persons of the University against whom action for violation of provisions of EIA notification, 2006 is to be recommended are Vice-Chancellor and Registrar.

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. Punjabi University, Patiala and its Vice-Chancellor & Registrar 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 / Environmental

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 followings: -

(i) Sh. Manjit Singh, Executive Engineer, Punjabi University, Patiala

(ii) Sh. Sumitava Dutta, FAE, M/s CPTL, Chandigarh, Environmental Consultant of the University.

The SEIAA observed that substantial construction has been carried out after July-2004 almost every year and the built up area has increased from 1,79,865 to 2,89,106 sqm (1,09,241 sqm). Moreover, as reported by SEAC, the university is continuously violating the provisions of EIA Notification, even after the issuance of Show Cause Notice as construction work on fitness centre was under progress during visit to the premises by PPCB, Regional Office, Patiala on 03.01.2017. 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 as per the amendment,violation cases of even category "B" projects which are granted Environmental clearance by SEIAA are to appraised for grant of Environmental clearance only by the EAC and Environmental 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 Environmental 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 Environmental 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 Environmental clearance applications/ cases. The SEIAA observed that it has no other option except to reject the Environmental clearance application in order to clear it from the web portal.

After detailed deliberations, the SEIAA decided as under: -

(i) Reject the application for issuance of TOR under EIA notification dated 14.09.2006 for expansion of the existing University at Chandigarh- Patiala Road, Patiala developed by Punjabi University, Patiala, 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 decision taken by SEIAA, the following actions were taken:-

(i) The decision of SEIAA regarding rejection of the application was conveyed to the project proponent vide letter no. 194 dated 21.03.2017.

(ii) Project proponent was informed vide letter no 195 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 was sent to the Member Secretary, Punjab Pollution Control Board vide letter no 196 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.

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/NCP /15739/2016	SEIAA/PB/AD/TOR/2016/34	Punjabi University	17 Nov 2016	**Rejection Letter Granted**

The Registrar, Punjabi University, Patiala has submitted an application for issuance of ToRs for carrying out EIA study for obtaining environmental clearance under EIA notification dated 14.09.2006 for expansion of educational institute namely " Punjabi University Patiala" located at at Chandigarh- Patiala Road, Patiala, Punjab. The project proponent vide letter dated 08.06.2017 has submitted as under:-

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

2) Accordingly, they had submitted the online application for issuance of TOR to MoEF for expansion of existing university at Chandigarh-Patiala Road, Patiala, Punjab.

The project proponent has further submitted that built up area has been increased without obtaining environmental clearance. Being a case of violation of the provisions of EIA notification dated 14.09.2006 and as per amendment notification vide No S.O. 804 (E) dated 14-03-2017, project proponent has submitted online application vide proposal no. IA/PB/NCP/65352/2017 on 11/06/2017 to MOEF&CC, for issuance of TORs for obtaining Environmental Clearance for the project located at Chandigarh-Patiala Road, Patiala, Punjab.

SEAC was apprised that, MoEF&CC has issued amended notification No S.O.1030 (E) dated 08/03/2018 wherein the power to decide the violation cases of category 'B' projects have been delegated to SEIAA & SEAC, which were earlier vested with MoEF&CC, New Delhi. Procedure for considering the cases has been laid down in paras (4) & (5) of the notification.

Accordingly, MoEF&CC has transferred proposal no. IA/PB/NCP/65352/2017 dated

11/06/2017 to SEIAA vide proposal no. SIA/PB/NCP/23389/2018 on 03/04/2018 for appraisal of the project in compliance to the amended notification dated 08.03.2018. The brief summary of the project is as under:-

The case was considered by the SEAC in its 167th meeting held on 26.05.2018, which was attended by the following on behalf of the project proponent: -

(i) Sh. Manjeet Singh Sidhu, Executive Engineer.

(ii) Sh. Salwinder Singh, SDE.

(iii) Sh. Sital Singh M/s CPTL, Mohali, Environment consultant of the promoter company.

The total cost of the project is Rs 127.85 Crores

The details of the project is as under :-

Total Area : 316 Acres				
DESCRIPTION	EXISTING (m2)		ADDITIONAL (m2)	TOTAL (m2)
	Before July 2004	After July 2004 to till date		
Built-up Area	179865	109241	72185	361291

Total population of the University is about 22000.

The domestic water demand is worked out using water requirements of 135 liters per day per person. The fresh water demand of University is about 1.63MLD, which is calculated as under:-

S. No	Source	Population	@lpcd	Required KLD
1.	Hostler			
2.	Resident Staff	6094	135	823
3.	Day Scholar	15500	45	698
4.	Floating	1000	15	15
5.	Miscellaneous	Lump-sum		100
	TOTAL	**22000**		**163**

No additional water required for expansion. The water consumption for the development works for the purpose of construction is expected to vary around 10m^3/day.

The total power requirement at the full occupation capacity and common utilities shall be about 6MW including 5% for contingencies. Punjab State Power Corporation Limited shall provide Power and standby Generators shall be provided to run emergency utilities like Water Supply, Sewage Treatment Plant and Lifts etc as well as power backup to the essential immunities. 15 no of DG Sets of capacity had already been provided

About 1358 m^3/day of waste water is generated. The project proponents already

installed Sewage Treatment Plants of capacities 1.4 MLD. The partial treated water is being used for horticulture, plantation and on land for irrigation as per K arnal technology within the premises. Thus there is no pollution of water resources.

The detail of disposal arrangement of waste water is as under :-

Sr.No.	Season	Total waste water at the outlet of STP	For Flushing purposes	Green Area 6600 sqm	Karnal Technology (KLD)
1.	Summer	**1331**	50	654	627
2.	Winter	1331	50	208	1073
3.	Rainy	1331	50	58	1223

To compensate for withdrawal from groundwater, to some extent, roof top, roads/pavement, Green area rain water will be re- harvested. The potential available is 68537m^3 /year

There will be no other point source of Air pollution except the D.G. Sets which is noiseless type. Chimneys of suitable height have already been provided to control the G.L.C. of $PM_{2.5}$, PM_{10}, SO_2, & NO_X levels. Extensive tree plantations along the boundary wall have been resorted to for further improving the air environment in general and minimize noise levels

The details of generation of solid waste and disposal are given as under:-

Sr.No.	CATEGORY OF WASTE	WASTE GENERATED	WASTE GENERATED	MODE OF DISPOSAL
	Resident	7000 @ 0.45	3150	

1.	Municipal Solid Waste	Visitors	15000 @ 0.20 kg/capita/day	3000	**Disposed off as per municipal solid waste rule**
Total Quantity of Municipal Solid waste generated				6150	
COMPOSITION OF SOLID WASTE					
a	Bio-degradable (@55%)			3932	Sent to piggery farm.
b	Recyclable (@35%)			2502	Sale to authorized recyclers.
c	Inert/e-waste (@10%)			716	E-waste is being stored and disposed off as per E-waste rule 2016 and Inert waste will be sent to common dumping site.
2.	Other Solid Waste	(lawn, hedges & tree		200	Use as fuel
3.	Hazardous waste	(DG set Used oil, ltrs/annum)		1000	Given to authorized recyclers for final disposal

Traffic has been kept one way through separate entry & exit in the main gates.

Outside the university vehicles have not be allowed to be parked on the road along the boundary wall by putting up notices & posting of guards. The university has already provided parking area near main gate for outsider vehicles.

To a query regarding site suitability of the project, the project proponent stated that institute had been granted permission for change of land use for an area measuring 120 acres in revenue estate of Villages Shekhpura kambuan, Nasirpur kambuan, Karheri & Phalauli, Sub-Tehsil Patiala, District Patiala vide notification dated 27.03.1963 by the Educational Commissioner, Govt. of Punjab.

To 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 since last 2 years.

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 the Notification.

1) Punjab Pollution Control Board may be requested to send the action taken report in reference to SEIAA letter no. 196 dated 21.03.2017 vide which while sending proceedings of 120th meeting of SEIAA of the present case, Board was requested to take further necessary action as per the provisions of sub para (3) of para 13 of the amended notification dated 14.03.2017.

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

   c. Proof of ownership of land
   d. Approved layout Plan.

3) Issue the following "Terms of Reference" along with additional specific TOR in line with the notification dated 14.03.2017 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

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 ad 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 ad 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.

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. 134.05: Application for obtaining environmental clearance under EIA Notification dated 14.09.2006 for establishment of a group housing project namely "Ubber Mews Gate" located at Khanpur, Kharar, SAS Nagar by M/s Ubber Reality, (Proposal No. SIA/PB/NCP/71296/2017)

The SEAC was apprised that M/s Ubber Reality had applied for obtaining environmental clearance under EIA notification dated 14.09.2006 for establishment of a group housing project namely Ubber Mews Gate located at Khanpur, Kharar, SAS Nagar. The project is covered under category 8 (a) of the Schedule appended to the said notification as building construction project.

Environmental Engineer, PPCB, RO, Mohali was requested vide email dated 14.12.2017 to send the construction status of the project site. Environmental Engineer, PPCB, RO, Mohali vide letter no. 5770 dated 19.12.2017 has reported as under :-

The proposed site of the project was visited by AEE on 15.12.2017 and Sh. Ranjit Singh, representative of the promoter company was contacted. During the visit, it was observed as under:

1. 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 near the Kharar-Kurali road on one side, Jamuna Apartments on second side and a closed unit namely Kharar Textile Mills on the remaining two sides.

2. The promoter company has constructed boundary wall only on two sides and is yet to construct boundary wall on remaining two sides.

3. There is no air polluting industry located within a radius of 500 m from the site of the project. However, there is an closed unit namely Kharar Textile Mills located adjoining to the site of the project.

4. The promoter company was in the process of construction of a structure on the front side of the project and also, some excavation work has also been done on the front side. The representative of the promoter company informed that the said

area in which construction and excavation has been done is not a part of the main project and is commercial area, which is a separate project. Further, a mobile office has also been established in the said area.

Following were present on behalf of the project proponent in the 161st meeting of SEAC held on 16.01.2018:

(i) Sh. Ranjit Singh, Liaison Officer, Promoter Company

(ii) Sh. Sital Singh, CEO, M/s CPTL, Chandigarh, Environment consultant of the promoter company.

(iii) Sh. Sumitava Dutta, FAE, M/s CPTL, Chandigarh, Environment consultant of the promoter company.

From the perusal of visit report sent by PPCB, RO, Mohali, the SEAC observed that the project proponent has already started the construction work at site in violation of EIA notification, 2006. To this observation of SEAC, the representative of the promoter company informed that the said area in which construction and excavation has been done, is not a part of the main project but is an independent commercial project.

After detailed deliberation, the SEAC decided that the project proponent will submit documentary evidence to prove his contention which will be verified by the concerned Regional Officer of PPCB in Mohali who had sent the earlier report so as to take further action in the matter. The officer should send a clear cut report categorically stating as to whether it is a case of violation of EIA notification 2006 or not.

The project proponent vide letter no.135 dated 30.01.2018 was requested to submit documentary evidence to prove his contention which will be verified by the concerned Regional Officer of PPCB in Mohali who had sent the earlier report so as to take further action in the matter. The copy of the same letter was endorsed to Environmental Engineer, PPCB, Regional Office, Mohali to send a clear cut report categorically stating as to whether it is a case of violation of EIA notification 2006 or not.

Environmental Engineer, PPCB, RO, Mohali vide its email dated 13.02.2018 reported as under:-

"It is intimated that the promoter company has submitted a copy of some receipts dated 08.02.2018 (which has been taken on record by the SEAC) of proposed SCO plans, issued by the Municipal Council, Kharar as documentary evidence in this Office. The said receipts are in the name of different project proponents/ persons, i.e. Sh. Amit Kumar, M/s Ubber buildtech and M/s Rajdhani projects. Sh. Deepak Gupta, Environmental Consultant of the promoter company was contacted telephonically, and he informed that these receipts are for the payment made to the MC, Kharar, for approval of the layout plans of the SCOs which are to be constructed in front of the project namely Ubber Mews Gate located at Khanpur, Kharar. He further intimated that the said showrooms (SCOs) are got approved individually by their respective owners from the MC, Kharar and the same are not a part of the main project and is a separate commercial area. However, the promoter company has not submitted any approved layout plans/ site plans of either the main project or the said commercial area.

The matter was also discussed with Sh. Rajbir Singh, SDO, MC, Kharar, telephonically (#9872700075) and he informed that the above mentioned commercial area is separate from main project "Ubber Mews Gate" and the layout plans of individual SCOs are approved separately by the Municipal Council, Kharar."

From the perusal of the report of Environmental Engineer, PPCB, RO, Mohali, the SEAC in its 162nd meeting observed that the above mentioned commercial area is separate from the main project "Ubber Mews Gate". The SEAC further observed that the project proponent has submitted a copy of layout plan wherein boundary of the residential project as well as the boundary of the commercial project has been marked with different colors & the commercial project is not a part of the residential project for which the environmental clearance has been applied and the layout plan has been duly signed by the project proponent. 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. Ranjit Singh, Laision Officer, Promoter Company

(ii) Sh. Sumitava Dutta, FAE, M/s CPTL, Chandigarh, Environment consultant of the promoter company.

Sh. Sumitava Dutta presented the salient features of the project.

After detailed deliberations, the SEAC observed that the project proponent has proposed to take adequate and satisfactory measures for the control of environmental degradation and also has given satisfactory clarifications to the observations raised by the SEAC. 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 a group housing

project namely Ubber Mews Gate in a total plot area of 21317 sqm having total built up area as 46622 sqm located at Khanpur, Kharar, SAS Nagar Mohali, subject to the conditions as mentioned in the recommendations.

The case was considered by the SEIAA in its 128th meeting held on 06.03.2018, which was attended by the following on behalf of the project proponent:

(i) Sh. Ranjit Singh, Laision Officer, Promoter Company

(ii) Sh. Sumitava Dutta, FAE, M/s CPTL, Chandigarh, Environment consultant of the promoter company.

Before allowing the project proponent to present the salient features of the project, the SEIAA perused the report of Environmental Engineer, PPCB, RO, Mohali received through email dated 13.02.2018. The SEIAA observed that Environmental Engineer, Punjab Pollution Control Board, Regional Office, Mohali has based his report purely on the telephonic conversation with the Environment Advisor of project proponent and SDO of M.C. Kharar. The documentary proof submitted by project proponent, copies of receipts of M.C., are of dated 08.02.2018 i.e. after the visit of Environmental Engineer, Punjab Pollution Control Board and also after the issue of letter dated 30.01.2018 to project proponent by SEAC.

After detailed deliberations, the SEIAA decided to remand the case to SEAC for reviewing this issue again on the basis of concrete documentary evidence, if any submitted by project proponent.

The case was considered by the SEAC in its 164th meeting held on 10.04.2018, which was attended by the following on behalf of the project proponent:

(i) Sh. Ranjit Singh, Laision Officer, Promoter Company

(ii) Sh. Sumitava Dutta, FAE, M/s CPTL, Chandigarh, Environment consultant of the promoter company.

The SEAC asked the project proponent to submit all the documents to support his contention that commercial project is not a part of the total project. In response the project proponent submitted the following documents, which were taken on record by the SEAC : -

1. A request letter mentioning that they have applied for environmental clearance for a group housing project namely Ubber Mews Gate at Kharar and the layout plan submitted is having 21317 sqm land area. In the said layout plan, some area

   is shown as area for commercial project due to some misprinting in the plan. Revised plan has been submitted but area of the land remains same. The commercial project is not the part of the project for which they have applied for environmental clearance. No construction has been carried out at the area for which they have applied for obtaining environmental clearance.

2. A copy of CLU granted by the competent authority vide letter no 3726 dated 20/02/2018 for the group housing project for land area of 21317 Sqm has been submitted.

3. Copies of the receipts dated 13.01.2017 of the amount deposited to the Nagar Council Kharar for regularization of commercial project consisting of 20 showrooms under the policy of the regularization of unauthorized colonies/ plots of Government of Punjab have been submitted.

After deliberations, SEAC decided to constitute a sub-committee of the following SEAC members:-

1) Dr. V.K. Singhal
2) Dr. Sandeep Singh Virdi

The sub-committee was requested to examine the documents submitted by the project proponent, visit the project site, if felt necessary and ask for additional

documents/any other information from the project proponent or any other relevant authority to decide as to whether commercial project is a part of proposed group housing project for which EC has been applied or not.

The sub-committee visited the project site on 05.05.2018 and has sent the visit report through email dated 15.05.2018, which was annexed as Annexure-A to the agenda.

The case was considered by the SEAC in its 167th meeting held on 26.05.2018, which was attended by the following on behalf of the project proponent : -

(i) Sh. Ranjit Singh, Liasion Officer on behalf of the promoter company.

(ii) Sh. Sital Singh M/s CPTL, Mohali, Environment consultant of the promoter company.

The SEAC was appraised that Dr V. K. Singhal, Member, SEAC and Dr Sandeep Singh Virdi, Member, SEAC, visited the site on 05/05/2018 and the following observations were made during visit:

1. The team observed that the said commercial area is not a part of the project for which Environmental Clearance has been applied. This was confirmed by manually measuring the dimensions of the total land area (21,317 sqm) and comparing it with the site plan. There was no construction by the project proponent on the said land.

2. The commercial area in contention is separate from the Group Housing land area and has 40 showrooms (20 + 20) in respect of which applications for 20 showrooms have already been submitted by the various owners of the showrooms for registration for regularization of unauthorized colonies / plots (dated 14-01-2017) and for which payments in installments have been made by the owners of the showrooms [for which the Receipts for the years 2017 (dated 13-01-2017), & 2018 (dated 8-02-2018, 16-03-2018) submitted by the project proponent respectively].

3. The team observed that one temporary toilet has been constructed for the labour working in the commercial area.

4. Also there is a temporary structure being used as a store in the land area of the group housing project, which the project proponent has assured to dismantle.

The SEAC accepted the report submitted by sub- committee after visiting the site alongwith documents and it was concluded that commercial project is not a part of the proposed Group Housing project for which environmental clearance has been applied by the project proponent.

After detailed deliberations, SEAC decided to reiterate its earlier recommendations for grant of environmental clearance for establishment of a group housing project subject to the same conditions as decided in the 162nd meeting of SEAC held on 15.02.2018.

Case is placed before the SEIAA for consideration.

Item No. 134.06: 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 & addition of a rolling mill in revenue estate in revenue estate of village Tooran, Amloh road, Mandi Gobindgarh, Distt. Fatehgarh Sahib, Punjab by M/s Shiva Castings Private Limited (Proposal no SIA/PB/IND/25954/2018)

The facts of the case are as under:-

The SEAC was apprised 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 02 numbers Induction furnace having capacity 10TPH & 15TPH and one no. of Rolling Mill in village Tooran, Amloh Road, Mandi Gobindgarh, Distt. Fatehgarh Sahib, Punjab. The project is covered under category 3(a) - Metallurgical Industries (ferrous & non-ferrous) of the Schedule appended to the said notification. The project proponent has submitted Form-1 and other requisite documents

The case was considered by the SEAC in the meeting & the same was attended by the following on behalf of the project proponent: -

(i) Sh. Sajal Jindal, Director.

(ii) Sh. Sital Singh M/s CPTL, Mohali, Environment Consultant.

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

The industry was granted consent to operate by Punjab Pollution Control Board, Patiala, Punjab, in year 2002 for manufacturing of Steel Ingot @ 48TPD by installing Induction furnace of capacity 4TPH. The industry was again granted consent to operate (CTO) for expansion by Punjab Pollution Control Board, Patiala, Punjab in

2013 vide letter no. 3638 dated 29-07-2013 for manufacturing of Steel Ingot @

72TPD by installing Induction furnace of capacity 6TPH.

The detail of the capacity of furnace and total production at different stages is as under :-

YEAR OF ESTABLISHMENT	CAP. OF FURNACE	POWER	TOTAL PRODUCTION	WHETHER COVERED UNDER EIA NOTIFICATION OR NOT
2002	4TPH	2500KW	48TPD	The industry does not cover under EIA Notification, 14.09.2006 notification 1994.
29-07-2013	6TPH	2500KW	72TPD	The industry does not cover under EIA Notification, 14.09.2006 notification S.O. 3067(E) dated 01.12.2009 because the production capacity of the industry was <30,000

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

Sr.No	PARTICULARS	EXISTING	PROPOSED	TOTAL
A	**EXISTING & PROPOSED CAPACITY OF FURNACES & ROLLING MILLS**			
1	Induction Furnace	6TPH (to be replaced)	10TPH & 15TPH Induction furnaces & a Rolling Mill	
B	**PRODUCTS**			
1	Steel Ingot/Billets	25,200	79,800	1,05,000
2	Rounds, Square, TMT/MS	Nil	80,000	80,000
C	**RAW MATERIAL**			
1	MS Scrap (TPA)	27,900	86,319	1,14,219
2	Ferro-alloys(TPA)	325	2006	2,331
D	**GENERALS**			
1	Project Cost (Crores)	Rs 3.12	Rs 12.0	Rs 15.12
2	Land (Acres)	2.21	NIL	2.21

3	Power (KW)	2500	8000	10500
4	Manpower (Nos.)	50	150	200
5	Working days	24 hrs 350 working days in year		

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

DESCRIPTION	EXISTING	PROPOSED	TOTAL
Domestic	3.0 KLD	9.0KLD	12.0 KLD
Cooling (makeup water)	8.0 KLD	13.0 KLD	21.0 KLD
Total	11.0KLD	22.0 KLD	33.0 KLD

- Total proposed project cost is estimated to be around Rs.1512 Lakhs
- Existing -Rs 3.12 Cr
- Proposed -Rs 12.00 Cr
    - (iii) Total -Rs 15.12 Cr
- Rs 70.0 Lacs towards Environment Protection will be spent.
- No National Parks/ Wild Life Sanctuaries/ Biosphere Reserves falls within 10 km radius of the project.
- Industrial Land is registered in name of project proponent. The land is already use for industrial purposes. It is an expansion project. No additional land has been acquired.
- Proposed project is based on ZERO discharge. The waste water generated from domestic & cooling tower is being treated through Septic Tank and is being used for plantation within premises. After expansion, STP of adequate capacity will be provided for the treatment of waste water and will be used for plantation purposes within premises or or will be reused for cooling
- Adequate APCD (Wet Scrubber) has been provided to control emission generated from process. After Expansion, Bag Filter will be provided.
- 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 18.06 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 is being re- used as lubricants within the industry and dust after

expansion (14ton/annum) recovered by bag filter is also 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 and no additional land has been acquired.

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 three 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. 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

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

ii. A topo sheet of the study area of radius of 10 km and site location on

1:50,000/1:25,000 scale on an A3/A2 sheet. (Including all eco-sensitive areas and environmentally sensitive places)

iii. Co-ordinates (lat-long) of all four corners of the site. iv.
Google map-Earth downloaded of the project site

v. Layout maps indicating existing unit as well as proposed unit indicating storage area, plant area, greenbelt area, utilities etc. I f located within an Industrial area/Estate/Complex, layout of Industrial Area indicating location of unit within the Industrial area/Estate.

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

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

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

ix. Geological features and Geo-hydrological status of the study area shall be included.

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

xi. Status of acquisition of land. lf 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, S02, NOX, CO and other parameters relevant to the project shall be collected. The monitoring stations shall be based CPCB guidelines and take into account the pre dominant wind direction, population zone and sensitive receptors including reserved forests.

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

iv. Surface water quality of nearby River (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	Number of units planned & Capacity	Budget	Estimated Post Control Qty 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.134.07: Application for issuance of TORs for carrying out EIA study forobtaining Environmental clearance under EIA notification dated 14.09.2006 for expansion of steel manufacturing unit by replacement/addition of induction furnaces & addition of a concast machine in revenue estate of village Tooran, Amloh Road, Mandi Gobindgarh, Distt. Fatehgarh Sahib, Punjab by M/s Samana Concast (Proposal no SIA/PB/IND/25974/2018

The facts of the case are as under:-

The SEAC was apprised that the project proponent has filed 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 & addition of a concast machine in revenue estate of village Tooran, Amloh Road, Mandi Gobindgarh, Distt. Fatehgarh Sahib, Punjab. The project is covered under category 3(a) - Metallurgical Industries (ferrous & non- ferrous) of the Schedule appended to the said notification. The project proponent has submitted form 1 and other requisite documents.

The case was considered by the SEAC in its 167th meeting held on 26.05.2018, which was attended by the following on behalf of the project proponent: -

(i) Sh. Sushil Kumar, Partner of the promoter company.

(ii) Sh. Sital Singh M/s CPTL, Mohali, Environment Consultant.

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

The industry was granted consent to operate by Punjab Pollution Control Board, Patiala vide letter no. 161 dated 16.08.2012 for manufacturing of Steel Ingot @ 28000

TPA (80 TPD) by installing Induction furnace of capacity 4TPH.

The detail of the capacity of furnace and total production at different stages is as under:-

YEAR OF ESTABLISHMENT	CAP. OF FURNACE	POWER	No. of working days	TOTAL PRODUCTION	WHETHER COVERED UNDER EIA NOTIFICATION OR NOT
2002	4TPH	2499 KVA	350	80 TPD or 28000 TPA	The industry does not cover under EIA Notification S.O. 3067 (E) dated 01.12.2009 because the production capacity of the industry was less than 30000 per annum. The Punjab Pollution Control Board has already issued the Consent to Operate for the

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

Sr.No	PARTICULARS	EXISTING	PROPOSED	TOTAL
A	**EXISTING & PROPOSED CAPACITY OF FURNACES**			
1	Induction Furnace	4TPH (to be	2X 12 TPH of Induction furnaces & a Concast	
B	**PRODUCTS**			
1	Steel Ingots & Castings (TPA)	28,000 (80 TPD)	72,800 (208 TPD)	1,00,800 (288 TPD)
C	**RAW MATERIAL**			
1	MS Scrap (TPA)	30,458	79,192	1,09,650
2	Ferro-alloys(TPA)	622	1,616	2,238
D	**GENERALS**			
1	Project Cost (Crores)	1.50	6.50	8.0
2	Land (Acres)	2.56	NIL	2.56
3	Power (KW)	1500	8500	10,000
4	Manpower (Nos.)	50	150	200
5	Working days	24 hrs 350 working days in year		

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

DESCRIPTION	EXISTING	PROPOSED	TOTAL
Domestic	3.0 KLD	6.0 KLD	9.0 KLD
Cooling (makeup water)	5.0 KLD	12.0 KLD	17.0 KLD
Total	8.0KLD	18.0 KLD	26.0 KLD

- Total proposed project cost (after addition of proposed machinery) is Rs.800
- Lakhs
- Rs 70.0 Lacs towards Environment Protection will be spent.
- No National Parks/ Wild Life Sanctuaries/ Biosphere Reserves falls within 10 km radius of the project.

- The projects have already 2.56 Acres of land. There will be no change in the land use. It is an expansion project no additional land is acquired.

- There is no generation trade effluent from process. Domestic waste water shall be treated through Septic Tank and the same will be used within the premises for plantation. After expansion, STP will be provided for treatment of domestic effluent and to be utilized for development of green belt/cooling purposes.
- Wet scrubber has been provided on existing Induction Furnace and proponent will proposed. Canopy has also provided on DG Set. After Expansion, Bag filter will be provided as APCD on the proposed IFs
- The existing quantity of slag is 4 TPD and is being used for filling of low lying area.
- Total quantity of slag after expansion will be 17.47 TPD and will be used for filling low lying area.
- Hazardous waste generated (0.02kl/annum) from DG sets in the form of used oil is being re- used as lubricants within the industry and after expansion, dust (10.5
- ton/annum) recovered by bag filter is also 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 and no additional land has been acquired.

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 three 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 other purposes) 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. 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

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

ii. A topo sheet of the study area of radius of 10 km and site location on

1:50,000/1:25,000 scale on an A3/A2 sheet. (Including all eco-sensitive areas and environmentally sensitive places)

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

Google map-Earth downloaded of the project site

v. Layout maps indicating existing unit as well as proposed unit indicating storage area, plant area, greenbelt area, utilities etc. I f located within an Industrial area/Estate/Complex, layout of Industrial Area indicating location of unit within the Industrial area/Estate.

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

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

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

ix. Geological features and Geo-hydrological status of the study area shall be included.

x. Details of Drainage of the project up to 5km radius of study area. If the site is within 1 km radius of any major river, peak and lean season river discharge as well as flood occurrence frequency based on peak rainfall data of the past

30 years. Details of Flood Level of the project site and maximum Flood Level of the river shall also be provided. (mega green field projects)

xi. Status of acquisition of land. If acquisition is not complete, stage of the acquisition process and expected time of complete possession of the land.

xii. R&R details in respect of land in line with state Government policy

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, S02, NOX, CO and other parameters relevant to the project shall be collected. The monitoring stations shall be based CPCB guidelines and take into account the pre dominant wind direction, population zone and sensitive receptors including reserved forests.

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

iv. Surface water quality of nearby River (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	Number of units planned & Capacity	Budget	Estimated Post Control Qty. 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, Distt., State, Industrial Estate (if applicable)

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

iii. Requirement of land, raw material, water, power, fuel, with source of supply

(Quantitative)

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

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

vi. Capital cost of the project, estimated time of completion

vii. Site selected for the project - Nature of land - Agricultural (single/double crop), barren, Govt./private land, status of is acquisition, nearby (in 2-3 km.) water body, population, 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.

Case is placed before the SEIAA for consideration.

Item No.134.08: 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 & enhancement of Rolling mill in revenue estate of Village Mangarh, Machhiwara Road, Near Kohara, Distt. Ludhiana, Punjab by M/S Renny Strips Pvt. Ltd. (Proposal no SIA/PB/IND/26037/2018).

The facts of the case are as under:-

The SEAC was apprised that M/s Renny Strips Pvt. Ltd. has filed 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 & enhancement of Rolling mill in revenue estate of Village Mangarh, Machhiwara Road, Near Kohara, Distt. Ludhiana, Punjab. The project is covered under category 3(a) - Metallurgical Industries (ferrous & non-ferrous) of the Schedule appended to the said notification. The project proponent has submitted Form 1 and other requisite documents.

The case was considered by the SEAC in its 167th meeting held on 26.05.2018, which was attended by the following on behalf of the project proponent: -

(i) Sh. Binny Gupta, Director of the promoter company.

(ii) Sh. Sital Singh M/s CPTL, Mohali, Environment Consultant.

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

The project proponent submitted that there are two units namely M/s Renny Steel Casting (P) Limited & M/s Renny Strips (P) Limited in same premises at Village Mangarh, Machhiwara Road, Kohara, Ludhiana-east District- Ludhiana, Punjab. M/s Renny Steel Casting (P) Limited having Induction Furnace of 4TPH capacity & commissioned in 1995 & M/sS Renny Strips (P) Limited, which is a secondary re- rolling based unit having installed capacity 40,800TPA, commissioned in·2005.

The detail of the capacity of furnace and total production at different stages is as under:-

YEAR OF ESTABLISHMENT	CAP. OF FURNACE	POWER	TOTAL PRODUCTION	WHETHER COVERED UNDER EIA NOTIFICATION OR NOT
1995 M/s Renny Steel Casting (P) Ltd	4.0 TPH	1900 KW	24 TPD	The industry does not cover under EIA Notification, 14.09.2006 notification 1994.
2005 M/s Renny Strips (P) Ltd	Rolling Mill	2000 KW	40800 TPA	-
27-03-2017 M/s Renny Steel Casting (P) Ltd	7.0 TPH	-	72 TPD	The industry does not cover under EIA Notification, 14.09.2006 notification S.O. 3067(E) dated 01.12.2009 because the production capacity of the industry was <30,000 Tons per annum
After Merging M/s Renny Strips (P) Ltd	7.0 TPH & Rolling Mill	3900 KW	72 TPD & 40800 TPA	The industry does not cover under EIA Notification, 14.09.2006 notification S.O. 3067(E) dated 01.12.2009 because the production capacity of the industry was <30,000

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

Sr. No.	PARTICULARS	EXISTING	PROPOSED	TOTAL
A	**EXISTING & PROPOSED CAPACITY OF FURNACES & ROLLING MILLS**			
1	Induction Furnace	7 TPH (to be replaced)	Multiple Induction furnace (3 ×15 TPH), LRF & Consast	
2	Rolling Mills	1 Rolling Mill	-	1 Rolling Mill (capacity enhancement)
B	**PRODUCTS**			
1	Steel Ingot/Billets	25,200	1,63,800	1,89,000
2	Rounds, Square, TMT/MS Bars, Angles, Channel, Flats etc	40,800	1,34,200	1,75,000
C	**RAW MATERIAL**			
1	MS Scrap (TPA)	27,413	1,78,591	2,06,004
2	Ferro-alloys(TPA)	559	2,727	3,286
D	**GENERALS**			
1	Project Cost (Crores)	4.5	25.0	29.5
2	Land (Acres)	3.7	NIL	3.7
3	Power (KW)	3900	8000	11900

4	Manpower (Nos.)	250	100	35
5	Working days	24 hrs 350 working days in year		

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

DESCRIPTION	EXISTING	PROPOSED	TOTAL
Domestic	6 KLD	5.0KLD	11.0KLD
Cooling (makeup water)	15 KLD	45.0KLD	60.0 KLD
Total	21 KLD	50.0 KLD	71.0 KLD

- Total proposed project cost is estimated to be around Rs.2950 Lakhs
- Rs 150 Lacs towards Environment Protection will be spent.
- No National Parks/ Wild Life Sanctuaries/ Biosphere Reserves falls within 10 km radius of the project.
- Industrial Land is registered in name of project proponent. The land is already use for industrial purposes. It is an expansion project. No additional land has been acquired.
- There are no generation trade effluents from process. The waste water generated from domestic & cooling tower is being treated through Septic Tank and is being used for plantation within premises. After expansion, STP will be provided for treatment of domestic effluent and to be utilized for development of green belt/cooling purposes.
- Wet Scrubber & Bag filters have been provided on existing Induction Furnace and Canopy has also provided on DG Set. After Expansion, Bag filter will be provided as APCD on the proposed IFs
- The existing quantity of slag is 4TPD and is being used for filling of low lying area. Total quantity of slag after expansion will be 32 TPD and will be used in filling of Low lying area and in Road Making after recovery of metal.
- Hazardous waste generated (0.010 kl/annum) from DG sets in the form of used oil is being re- used as lubricants within the industry and dust after expansion (21 ton/annum) recovered by bag filter is also 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 Ludhiana, the project proponent replied that the project site is at 7 Km from the LPA of Ludhiana and project falls under industrial zone as per the master plan of Ludhiana,

Punjab. There will be no change in the land use. It is an expansion project and no additional land has been acquired.

To another query of SEAC regarding permission from CGWA, project proponent stated that they had already applied for permission from CGWA but otherwise also, project site is located in Machhiwara Block which is not a notified area.

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 three observations as conditions of TOR and recommended to SEIAA to issue the following TORs :-

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a) Details of the EIA Consultant including NABET accreditation b) Information about the project proponent

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

iv. Google map-Earth downloaded of the project site

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of unit within the Industrial area/Estate.

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xii. R&R details in respect of land in line with state Government policy

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

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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.

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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, S02, NOX, CO and other parameters relevant to the project shall be collected. The monitoring stations shall be based CPCB guidelines and take into account the pre dominant wind direction, population zone and sensitive receptors including reserved forests.

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

iv. Surface water quality of nearby River (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	Number of units planned & Capacity	Budget	Estimated Post Control Qty 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.134.09: Application for extension in the validity of environmental clearance granted under EIA notification dated 14.09.2006 for steel manufacturing unit located in revenue estate of village Ambey Mazra, Tehsil Mandi Gobindgarh, Distt. Fatehgarh Sahib, Punjab by M/s Kay Ell Dee Metaliks Pvt. Ltd. (Proposal no SIA/PB/IND /25846/2011

The SEAC was apprised that M/s Kay Ell Dee Metaliks Pvt. Ltd. was earlier granted Environmental Clearance by MoeF & CC vide F.No. J-11011/414/2009-IA-II(I) dated 22.06.2011 for manufacturing of Steel Ingots (84,000 MTPA) and TMT bars (35,000 MTPA) at village Ambey Mazra, Tehsil Mandi Gobindgarh, Distt. Fatehgarh Sahib, Punjab, subject to certain conditions, which is valid upto 21.06.2018. The project could not be started within the validity period of environmental clearance due to unavoidable circumstances.

The project proponent has submitted an application for extension in the validity of environmental clearance granted under EIA notification dated 14.09.2006 for steel manufacturing unit located in revenue estate in revenue estate of village Ambey Mazra, Tehsil Mandi Gobindgarh, Distt. Fatehgarh Sahib, Punjab. The project proponent has submitted Form 1 and other requisite documents.

The case was considered by the SEAC in its 167th meeting held on 26.05.2018, which was attended by the following on behalf of the project proponent: -

(i) Sh. Munish Dhingra, General Manager on behalf of the promoter company.

(ii) Sh. Sital Singh M/s CPTL, Mohali, Environment consultant of the promoter company.

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

M/s Kay Ell Dee Metaliks Pvt. Ltd. was granted Environmental Clearance by MoeF & CC vide F.No. J-11011/414/2009-IA-II(I) dated 22.06.2011 for manufacturing of Steel Ingots (84,000 MTPA) and TMT bars (35,000 MTPA) at village Ambey Mazra, Tehsil Mandi Gobindgarh, Distt. Fatehgarh Sahib, Punjab, subject to certain conditions, which is valid upto 21.06.2018. As per the said environmental clearance, the details of the proposed project is as under:-

a) M/s Kay Ell Dee Metaliks Pvt. Ltd. have proposed for the Steel Ingots (84,000

MTPA) and TMT Bars (35,000 MTPA) at Village Ambey Majra, Tehsil Mandi Gobindgarh, District Fatehgarh Sahib, Punjab. Total project area is 18,000 m^2 and green belt will be developed in 5953 sq. m (33.10%) of the plant area. There are no National Park/Wild Life Sanctuaries, Reserved /Protected Forests or Defense Installations within 10 km radius of the project.

b) Induction furnace (2x10 TPH), rolling mill and concast machine will be installed to manufacture M.S ingots (84,000 MTPA) and TMT bars (35,000 MTPA). M.S. Scrap, Sponge Iron and Ferro Alloys will be sourced from local market and used as raw materials. Steel ingots and billets manufactured will be used as raw material in Rolling Mill. Total cost of the project is Rs. 19.95 Crores. Rs. 39 lakhs and Rs. 9 Lakhs/annum will be earmarked towards total capital cost and recurring cost for environmental pollution control measures.

c) Exhaust fumes from the furnaces will be controlled by installing air pollution control devices like bag filters, cyclone, air cooled ducts, hood, ID fan and stack. Water requirement of 25 KLD will be met from ground water source. Closed circuit system will be used to ensure no wastewater generation. Roof top rain water will be harvested and used for ground water recharge to minimize impact of ground water drawl. The effluent after treatment will be used for dust suppression and green belt development. Domestic effluent will be treated in sewage treatment plant (STP) and reused within plant premises for plantation. No effluent will be discharged and 'zero' discharge will be adopted. Total power requirement is 10,000 KVA and will be from PSEB.

d) Slag from IF, used CFL tubes and solids from bag filters and cyclones will be disposed into designated site of the TSDF. STP sludge after treatment by Activated sludge process will be used as manure. ID fan and boilers will be installed in the acoustic room.

Environmental clearance of the promoter company informed that no significant change has been made in the proposal for which environmental clearance had already been granted by MoEF which is valid upto 21.06.2018. However, the details of the project are as under:-

Sr.No	Items	Details
1	Name of the Project:	Manufacturing of Steel Ingots, TMT Bars
2	i) Location of unit ii) Plot, Survey No, Khasra No.	Village- Ambey Mazra, Mullanpur Road, Mandi Gobindgarh, District Fatehgarh Sahib, Punjab 39/104, 32//18 (8-0)19 (8-0)35//2(8-0)3(8-0)7/1 (0-5) /2(0-5)8(8-0)9(8-0)12/2(4-0)13(8-0)12/2 (4-
3	Serial no. in schedule	3 (a) Non Toxic Capacity > 30,000 TPA
4	Proposed capacity	Steel Ingots: 84,000 TPA TMT Bars: 35,000 TPA
5	New/Expansion /Modernization	New
6	Area	4.4 Acres

- The unit does not fall in any notified reserved forest area, sanctuary area.
- There are no State or National boundaries within 10 km radius of the industry.
- The industrial land to be used for the manufacturing of steel Ingot & TMT Bars.
    - So there would not be any change in land use. The land has been earmarked for industrial purposes as per the Master Plan of Mandi Gobindgarh
- For construction & erection of machinery, about 30 temporary workers from local area and during operation phase, 76 no. regular staff for the unit will be employed.
- About 5.0 TPD Slag from furnace, will be generated, which will be disposed off at designated site of the state TSDF.
- Toilet waste shall be treated through STP

- Total water requirement of the project will be 25 KLD which includes 17 KLD for cooling purpose & 8 KLD for domestic purpose and met through own tube-well.
- About 2.0 KLD waste water will be treated in STP upto tertiary level, which will be used for plantation purposes etc., within the premises. It will not be thrown inany water body or on open land. However, during rainy days it will be disposed off in the nearest drain after treatment.
- Energy in the form of electricity @ 10 MW would be required, which would be

made available from PSPCL.

The SEAC observed that no CSR activity has been proposed in the presentation. In reply to this query of SEAC, the project proponent submitted an undertaking to the effect that a sum of Rs. 5 Lacs each has been earmarked towards the Corporate Social Responsibility and Corporate Environmental Responsibility.

After detailed deliberations, the SEAC decided to recommend the case to SEIAA for extension in the validity of environmental clearance issued by MoeF & CC vide F.No. J-11011/414/2009-IA-II(I) dated 22.06.2011 for manufacturing of Steel Ingots (84,000 MTPA) and TMT bars (35,000 MTPA) in an area of 4.4 acres (18000 sqm) bearing Khasra Nos. 39/104, 32//18 (8-0),19 (8-0), 35//2(8-0)3(8-0)7/1 (0-5) /2(0-5)8(8-0)9(8-0)12/2(4-0)13(8-0)12/2 (4-0)13(8-0)18(8-0)23(8-0), 109/265, 60/1850,35 //14 (7-12)17(7-12) 25/2(2-9), 240/353 located in the revenue estate of village Ambey Mazra, Tehsil Mandi Gobindgarh, Distt. Fatehgarh Sahib, Punjab, subject to same conditions and following additional conditions: -

1) The project proponent shall comply the following proposed measures: -
   (i) Side suction hood to be provided to collect air emission generated from Induction furnaces.
   (ii) Hazardous waste (APCD Dust) generated from the Air pollution control devices (Bag filter and cyclone) shall be recycled.
   (iii) Sewage Treatment plant (STP) shall be installed inside the project premised and treated waste water to be recycled as makeup water in the cooling towers.

2) The project proponent shall spend total Rs. 10 Lacs as propsed on the following CER activities during the next 5 years i.e. within the construction period of the project: -

   i) An amount of Rs. 05 Lacs towards Corporate Environmental Responsibility in the vicinity of the project.

   ii) An amount of Rs. 05 Lacs will be deposited in the Environment Protection Fund created by the Punjab Pollution Control Board.

Item No.134.10: Application for obtaining Environmental clearance under EIA notification dated 14.09.2006 for establishment of a group housing project namely " Exotica Homez " at Village Sante Majra, Kharar, S.A.S Nagar, Mohali, Punjab by M/s. Exotica Homez Promoter & Builders. (Proposal no SIA/PB/NCP/ 73106/2018)

The facts of the case are as under:-

The SEAC was apprised that the project proponent has filed an application for obtaining Environmental Clearance under EIA notification, 2006 for establishment of a group housing project namely " Exotica Homez " at Village Sante Majra, Kharar, S.A.S Nagar, Mohali, Punjab by M/s. Exotica Homez Promoter & Builders. The project is covered under category 8 (a) of the Schedule appended to the said notification as building construction project.

Environmental Engineer, Regional Office, SAS Nagar vide email dated 12.03.2018 was requested to verify the construction status of the project and send the report of the same.

Environmental Engineer, Regional Office, SAS Nagar has sent the construction status report through email dated 13.03.2018 and reported that the proposed

site of the project was visited by AEE of this office on 13.03.2018 and Sh. Gaurav, representative of the promoter company was contacted. During the visit, it was observed as under:

1. The proposed site of the promoter company is located on Kharar-Landran 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 project of M/s JTPL on side and Skylar developers on second site.
2. As per the site shown by the representative, no construction activity has yet been started at the site by the promoter company.
3. There is one old existing house at the site and the representative informed that the same has been existing since long and is of the farmer, from which they have bought the land.

The case was considered by the SEAC in its 164th meeting held on

10.04.2018, which was attended by the following on behalf of the project proponent: (i) Sh. Gourav Soni, Project Head on behalf of the Promoter Company

(ii) Sh. Sandeep Garg, M/s Eco Laboratories & Consultant Pvt. Ltd., Environment consultant of the promoter company.

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

Brief details of the project

1.	Category/Item No. (in schedule)	8(a): Building & Construction project	
2.	Name and Location of the project	" Exotica Homez " in the revenue estate of Village Sante Majra, Kharar, S.A.S Nagar	
3	Project Cost	Rs 164.60 Crores.	
3.	Total Plot area, Built-up Area and Green area	Plot area (Sqm)	30774.93
		Net plot area after leaving area for road widening (sqm)	30454.41
		Built up area (Sqm)	75931.73
		Green area (Sqm)	4749.66
		Residential dwelling units	465
4.	Population	2452 persons	
5.	Water Requirements & source	**Break up of water requirement**	**Source**

		Total: 456 KLD Domestic:451 KLD Make up water for swimming pool in summer seaon: 5 KLD Fresh:348 KLD Flushing: 103 KLD	Ground Water Ground water
6.	Treatment & disposal Arrangement of Waste water	The total wastewater generation from the project will be 358 KLD in Summer season including 4KLD waste water from Swimming Pool, 354 KLD in winter season and 378 KLD in rainy season including 25 KLD infiltration rate, which will be treated in a STP of capacity 400 KLD installed within the premises of the project. As proposed, reuse of treated wastewater and discharge of surplus treated wastewater shall be	

Season	Reuse for flushing	For irrigation purposes	Discharge into sewer
Summer	103	26	229
Winter	103	9	242
Rainy	103	2	273

7.	Rain water harvesting detail	13 no. of rainwater recharging pits will be provided as per the norms of CGWA

<table>
<tr><td>8.</td><td>Solid waste generation and its disposal</td><td>a) 930 kg/day
b) Solid wastes will be appropriately segregated (at source by providing bins) into Bio-degradable and Non-Bio-degradable components. Garbage chute will be provided to collect the waste.
c) Mechanical composter of capacity 420 kg/day will be provided for the Bio-degradable Components.
d) Non Bio-degradable & recyclable waste will be send directly to recyclers and remaining waste will be sent to the dumping site.
e) Waste construction material will be handled as per the Construction and Demolition Waste Management Rules,2016</td></tr>
<tr><td>9</td><td>Hazardous Waste</td><td>a) Used oil from DG sets will be sold to registered recyclers.
b) E-waste will be disposed off as per the E-waste (Management) Amendment Rules,</td></tr>
<tr><td>10.</td><td>Energy Requirements & Saving</td><td>a) 2307.73 KVA from PSPCL.
b) DG Sets 1 x 180, 1 x 125 & 2 x 250 KVA.
c) Solar lights will be provided for landscaping area. LEDs Lamps are proposed in all common area. Total 160 KW solar power will be generated by utilizing 31% (1914.46 sqm) of the roof area</td></tr>
<tr><td>11.</td><td>Environment Management Plan along with Budgetary break up phase wise and responsibility to implement</td><td>Environment Management Cell (EMC) will be responsible for implementation of the Environment Management Plan and thereafter, welfare society of the project will be responsible for the implementation of EMP. The detail of the budgetary break up phase wise is as under:
<table>
<tr><th>Description</th><th>Capital Cost in lacs</th><th>Recurring Cost in lacs</th></tr>
<tr><td>Construction</td><td>296 lacs</td><td>4.85 lacs</td></tr>
</table>
</td></tr>
</table>

		Operation	-	9.5 lacs	
		Monitoring of Air, Noise water in both phases	Rs. 6.0 lacs.	Rs. 9.0 lacs	
2.	CSR activities alongwith budgetary break up and responsibility to implement	Rs. 50 Lacs shall be spent on the following CSR activity: - a) 15 Lakh will be spent for provision of RO drinking water plant & mid-day meals in Govt. School, Sector 116, Mohali b) 10 Lakh will be spent for tie-up with NGO in promoting social awareness like saving and well-upbringing of girl child, girl education, etc c) 25.0 Lacs will be spent provision of medicines, ambulance, wheel chairs for disabled persons, hearing aids in Govt. Dispensary, Sante Majra. Mr. Jagdish Singh Saini (Proprietor) of M/s. Exotica Homez Promoter & Builders will be responsible for implementation of CSR (Corporate			
13	Other department approvals	Change of Land use	Issued vide Memo No. 20318 dated		
		NOC for Sewerage Connection from Municipal Corporation, Kharar	Obtained vide Letter No. 398 dated 01.03.2018		
		NOC for Solid Waste Disposal from Municipal Corporation, Kharar	Obtained vide Letter No. 84 dated		

After presentation, the SEAC raised following observations to the project proponent:-

a) Project proponent has submitted NOC issued by Municipal Council, Kharar vide no. 398 dated 01.03.2018 wherein it has been mentioned that Municipal Council has no objection if M/s Exotica Homez Promoter & Builder's for its project namely "Exotica Homez" discharge 300 KLD treated water as per the norms made by the Punjab Pollution Control Board at their own cost into the sewer system of Municipal Council, Kharar after depositing charges framed by the Govt. and as per Govt. instructions and rules of the Department of Local government, Punjab. The sewerage treatment plant will be constructed by the project promoter at their own cost. Further, as stated by the project proponent, location of existing sewer of the Municipal Council, Kharar is at a distance of 380m from the project site. Therefore, the project proponent is required to clarify, how 380m sewer line will be laid through Govt. land as the project site is located along National highway and no government permission has been obtained for the purposed?

b) Proposal be amended to exclude the RO system from the water treatment plant.

c) To clarify as to whether cavity wall as proposed in the presentation is to be provided at site.

After detailed deliberations, the SEAC decided to defer the case and ask the project proponent to submit reply to the aforesaid observations so that further action in the matter may be taken.

Accordingly, the project proponent was requested vide letter No. 552 dated 23.04.2018 to submit the reply to the aforesaid observations.

The project proponent vide letter dated 05/05/2018 submitted the reply, which was annexed as Annexure-B of the agenda**.**

The case was considered by the SEAC in its 167th meeting held on

26.05.2018, which was attended by Sh. Gaurav Soni, General Manager (Projects) on behalf of the promoter company.

The project proponent submitted reply to the earlier raised queries by SEAC as under: -

Sr. No.	Query of SEAC	Reply
1	To clarify, how 380 m Sewer line will be laid through Govt. land as the project is located along	The project proponent submitted a letter issued by MC, Kharar vide letter No. 614 dated 27.04.2018 wherein it has been mentioned that the sewer line has been laid at a distance
	permission has been obtained for the layout of sewer.	of 380 m from the project site and it will be completed within 2 years. Thus, by the completion of construction phase of the project, the sewer line will be laid completely up to the project site. A copy of the said letter
2	'Proposal be amended to exclude the RO system from the water treatment plant.	The project proponent agreed to exclude the RO system from the water treatment plant. A centralized filtration water system followed by chlorination will be provided to treat the drinking water to make it fit for use. An undertaking submitted in this regard is taken
3	To clarify as to whether cavity wall as proposed in the presentation is to be provided at site.	The project proponent submitted that hollow concrete blocks and not the cavity wall will be used in construction of walls. An undertaking submitted in this regard is taken on record by

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 Group Housing project namely “Exotica Homez” having total project area 30774.93 sqm and built up area 75931.73 sqm located in the revenue estate of Village Sante Majra, Kharar, S.A.S Nagar, 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) All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.

(iii) The approval of competent authority shall be obtained for structural safety of the buildings due to earthquakes, adequacy of fire-fighting equipment etc. as per National Building Code including protection measures from lightning.

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

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

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

(iv) 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.

(v) The project proponent shall use only treated sewage/wastewater for construction activities and no fresh water for this purpose will be used. A proper record in this regard should be maintained and available at site.

(vi) Fly ash based construction material should be used in the construction as per the provisions of Fly Ash Notification of September, 1999 and as amended on August,

2003 and notification No. S.O. 2804 (E) dated 03.11.2009.

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

(viii) Adequate treatment facility for drinking water shall be provided, if required.

(ix) 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.

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

a. Fresh water :
Blue b. Untreated wastewater :
Black c. Treated wastewater
: Green
(for reuse)
d. Treated wastewater : Yellow
(for discharge)
e. Storm water : Orange

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

(xii) Separation of drinking water supply and treated sewage supply should be done by the use of different colors.

(xiii) (a) Adequate steps shall be taken to conserve energy by limiting the use of glass, provision of proper thermal insulation and taking measures as prescribed under the Energy Conservation Building Code and National Building Code,

2005 on Energy conservation.

(b) Solar power plant by utilizing atleast 30% of the open roof top area in the premises shall be installed for utilizing maximum solar energy. Also, solar lights shall be provided as proposed for illumination of common areas instead of CFL lights or any other conventional light/bulbs.

(xiv) 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.

(xv) Chute system, separate wet & dry bins at ground level and for common areas for facilitating segregation of waste, collection centre and mechanical composter (with a minimum capacity of 0.3kg/tenement/day) shall be provided for proper collection, handling, storage, segregation, treatment and disposal of solid waste.

(xvi) A rainwater harvesting plan shall be designed where the re-charge bores (minimum one per 5000 sqm of built up area) shall be provided. Recharging wells for roof top run-off shall have provision of adequate treatment for removing suspended matter etc. before recharging as per the CGWA guidelines. Run-off from areas other than roof top such as green areas and roads/pavement etc. may also be recharged but only after providing adequate treatment to remove suspended matter, oil & grease etc. and ensuring that rainwater being recharged from these areas is not contaminated with pesticides, insecticides, chemical fertilizer etc.

(xvii) The project proponent should fence the storage tank properly and in addition to this, the boundary wall shall be constructed at last stage or atleast 2 feet high opening in the boundary wall be provided at ground level to allow adequate passage to the surface run off during construction phase.

(xviii) Green belt of adequate width as proposed shall be provided so as to achieve attenuation factor conforming to the day & night standards prescribed for residential land use. The open spaces inside the plot should be suitably landscaped and covered with vegetation of indigenous species/variety. A minimum of one tree for every 80 sqm of land shall be planted and maintained. The existing trees may be counted for this purpose. Preference should be given to planting native species. Where the trees need to be cut, compensatory plantation in the ratio of 1:3 (i.e. planting of three trees for every one tree that is cut) shall be done with the obligation to continue maintenance.

(xix) The project proponent shall utilize hollow concrete blocks in construction of outer walls.

III. Operation Phase and 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) The total water requirement for the project will be 456 KLD including 5 KLD makeup water for swimming pool, out of which 353 KLD (fresh water) shall be met through borewell (ground water supply) and remaining 103 KLD through recycling of treated wastewater. The project proponent shall provide a centralized water filtration system followed by chlorination and not the R.O System to treat the drinking water to make it fit for use.

iii) a) The total wastewater generation from the project will be 358 KLD in Summer season including 4KLD waste water from Swimming Pool, 354 KLD in winter season and 378 KLD in rainy season including 25 KLD infiltration rate, which will be treated in a STP of capacity 400 KLD installed within the premises of the project. As proposed, reuse of treated wastewater and discharge of surplus treated wastewater shall be as below:

Season	**Reuse for flushing (KLD)**	**For irrigation purposes (KLD) in an area on**	**Discharge into sewer (KLD)**	**Total quantity of waste water generation**
Summer	103	26	229	358
Winter	103	9	242	354
Rainy	103	2	273	378

b) Storage tank of adequate capacity shall be provided for the storage of treated wastewater and all efforts shall be made to supply the same for construction purposes. Only, the surplus treated wastewater shall be discharged into sewer after maintaining the proper record.

iv) The project proponent shall ensure safe drinking water supply to the habitants.

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

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

vii) Rainwater harvesting/recharging systems (13nos recharging pits) shall be operated and maintained properly as per CGWA guidelines.

viii) The facilities provided for collection, segregation, handling, on site storage & processing of solid waste such as chute system, wet & dry bins, collection centre & mechanical composter etc. shall be properly maintained. The collected solid waste shall be segregated at site. The recyclable solid waste shall be sold out to the authorized vendors for which a written tie-up must be done with the authorized recyclers. Organic waste shall be composted by mechanical composters with a minimum capacity of 0.3kg/tenement/day and the inert solid waste shall be sent to the concerned collection centre of integrated municipal solid waste management facility of the area. A proper record in this regard shall be maintained.

ix) Hazardous waste/E-waste should be disposed off as per Rules applicable and with the necessary approval of the Punjab Pollution Control Board.

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

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

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

xiii) Solar power plant and other solar energy related equipment shall be operated and maintained properly.

xiv) A report on the energy conservation measures conforming to energy conservation norms should be prepared incorporating details about machinery of air conditioning, lifts, lighting, building materials, R & U Factors etc. and submitted to the respective Regional office of MoEF, the Zonal Office of CPCB and the SPCB/SEIAA in three months time.

PART B – General

Conditions : 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 borewell(s) and shall not abstract any groundwater without prior written permission of the CGWA, even if any borewell(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. 296 Lacs towards capital investment, Rs.
10.85 Lacs towards recurring including monitoring expenditure and Rs. 50 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/residents society under proper MOU under intimation to SEIAA, Punjab. The project proponent shall spend minimum amount of Rs. 18.5 Lacs 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. 50 Lacs towards following CSR activities:

(i) 15 Lakh will be spent for provision of RO drinking water plant & mid- day meals in Govt. School, Sector 116, Mohali

(ii) 10 Lakh will be spent for tie-up with NGO in promoting social awareness like saving and well-upbringing of girl child, girl education, etc

(iii) 25.0 Lacs will be spent provision of medicines, ambulance, wheel chairs for disabled persons, hearing aids in Govt. Dispensary, Sante Majra.

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) 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.

(vi) 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.

(vii) 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.

(viii) A proper record showing compliance of all the conditions of environmental clearance shall be maintained and made available at site at all the times.

(ix) 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.

(x) 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.

(xi) 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.

(xii) Environmental clearance is subject to final order of the Hon'ble Supreme Court of India in the matter of Goa Foundation Vs. Union of India in Writ Petition (Civil) No. 460 of 2004 as may be applicable to this project and decisions of any Competent Court, to the extent applicable.

(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.134.11: Application for environmental clearance under EIA notification dated 14.09.2006 for the establishment of a row 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 facts of the case are as under:-

The SEAC was apprised that M/s Suksha Developers Pvt. Limited. had applied for obtaining environmental clearance under EIA notification dated 14.09.2006 for the establishment of a row 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 consists of G +4 houses on individual plots and the project is covered under category 8 (a) of the Schedule appended to the said notification as the built up area of all the houses is more than 20000sqm. The project proponent has submitted Form 1, Form 1A and other requisite documents.

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.

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 i.e "Suhsma Valencia" 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.

Environmental consultant of the project proponent presented the salient features of the project as under:-

1.	Category/Item No. (in schedule)	8(a): Building & Construction project	
2.	Name and Location of the project	" SUSHMA VALENCIA" located in the site of Shipra Estates Limited project namely Super Mega Mixed Land Use integrated Industrial Park, Village Nagla, Zirakpur	
3.	Total Plot area, Built-up Area and Green area	Plot area (Sqm)	77449
		Built up area (Sqm)	144777
		Green area (Sqm)	6213

<table>
<tr><td></td><td></td><td><table><tr><td>Residential dwelling units</td><td>908</td></tr></table></td></tr>
<tr><td>4.</td><td>Population</td><td>4540 persons</td></tr>
<tr><td>5.</td><td>Water Requirements & source</td><td><table><tr><th>Break up of water requirement</th><th>Source</th></tr><tr><td>Total: 647 KLD

Domestic:613 KLD
Green area requirement in summer: 34 KLD

Fresh:454 KLD

Flushing: 159 KLD</td><td>Ground water</td></tr></table></td></tr>
<tr><td>6.</td><td>Treatment & disposal

Arrangement of Waste water</td><td>The total wastewater generation from the project will be 490 KLD, which will be treated in a STP of capacity 725 KLD installed within the premises of the project. As proposed, reuse of treated wastewater and discharge of surplus treated wastewater shall be as below:<table><tr><th>Season</th><th>Reuse for flushing (KLD)</th><th>For irrigation purposes (KLD)</th><th>Discharge into sewer (KLD)</th></tr><tr><td>Summer</td><td>159</td><td>34</td><td>297</td></tr><tr><td>Winter</td><td>159</td><td>10</td><td>321</td></tr><tr><td>Rainy</td><td>159</td><td>4</td><td>327</td></tr></table></td></tr>
<tr><td>7.</td><td>Rain water harvesting detail</td><td>15 nos. of rainwater recharging pits will be provided as per the norms of CGWA.</td></tr>
</table>

<table>
<tr><td>8.</td><td>Solid waste generation and its disposal</td><td>a) 1816 kg/day
b) Solid wastes will be appropriately segregated (at source by providing bins) into Bio-degradable and Non-Bio-degradable components.
c) Mechanical composter of adequate capacity will be provided for the Bio-degradable Components.
d) Non Bio-degradable & recyclable waste will be send directly to recyclers and remaining waste will be sent to the dumping site.
e) Waste construction material will be handled as per the Construction and Demolition Waste Management Rules,2016</td></tr>
<tr><td>9</td><td>Hazardous Waste & E-Waste</td><td>a) Used oil from DG sets will be sold to registered recyclers.
b) E-waste will be disposed off as per the E-waste (Management) Amendment Rules,</td></tr>
<tr><td>10.</td><td>Energy Requirements &
Saving</td><td>a) 4800 KW from PSPCL.
b) DG Sets 1x240 & 2x125 KVA.
c) Solar lights will be provided for landscaping area. LEDs Lamps are proposed in all common area. Solar water heater for 500 ltr quantity of water will be provided. Total 276 KWHD energy will be saved by utilizing solar power</td></tr>
<tr><td>11.</td><td>Environment Management Plan along with Budgetary break up phase wise and responsibility to implement</td><td>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. The detail of budgetary break up phase wise is as under:-
<table>
<tr><th>Description</th><th>Capital Cost in lacs</th><th>Recurring Cost in lacs</th></tr>
<tr><td>Construction</td><td>133 lacs</td><td>9.5 lacs</td></tr>
<tr><td>Operation</td><td>-</td><td>12.5 lacs</td></tr>
</table>
</td></tr>
</table>

		Monitoring of Air, Noise	Rs. 5.9 lacs.	Rs. 6.9 lacs	
		water in both phases.			
12.	CSR activities alongwith budgetary break up and responsibility to implement	Director of the company will be responsible for its implementation of the CSR. 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			
13	Other department approvals	The EO, MC, Kharar vide its letter no. 5290/BB dated 6/02/2018 reported that that work regarding laying down the sewer in area of Municipal Council is under progress. The project proponent may connect their project sewer to the main sewer of Municipal Council for discharge of			

To a query of SEAC regarding distance of the public sewer from their project site and alternate arrangement incase project proponent is unable to connect the Municipal Council sewer, the project proponent replied that MC sewer is available at about 700m from the project site or they can discharge the treated waste water into the main trunk sewer of the Super Mega Project.

The SEAC observed that proposed row 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 the 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 with the public sewer is available in the vicinity of the area development project. 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 row housing project namely "Sushma Valencia" is a 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

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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. 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 online reply on 04.04.2018 to the aforesaid observation by way of a 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.

The project proponent has submitted reply vide letter dated 24.06.2018 to the aforesaid observation of SEAC and requested to consider the same in the next meeting of SEAC.

The case was considered by the SEAC in its 167th meeting held on

26.05.2018, which was attended by the following on behalf of the project proponent: -

(i) Sh. Sushil Kumar, Partner of the promoter company.

(ii) Sh. Sital Singh M/s CPTL, Mohali, Environment consultant of the promoter company.

The SEAC asked the project proponent to present the reply to the query of SEAC

raised in the previous meeting regarding final disposal of its excess treated waste water, Sh. Sital Singh, Environmental Consultant of the promoter company submitted the following proposal regarding proper arrangement of disposal of treated waste water as under: -

1. Submitted a layout plan attested by Sh. Rajinder Sharma, who is authorized signatory of the M/s Shipra Estates Ltd. on which location of pond has been marked, which was taken on record by SEAC.

2. Submitted an undertaking of M/s Shipra Estate Limited to the effect as under:-

a) They had entered into an agreement on 01.11.2017 with M/s Suksha Development

Private Limited.

b) The plan submitted by Suksha developers Private Limited for their project “Sushma Valencia” for the purposes of obtaining Environmental Clearance with SEIAA has been attested by authorized Signatory

c) The area marked in the plan for STP, MSW, E-Waste is a common area and the land belongs to Shipra Estate Limited, which has been kept reserved for utilities like Pond, Municipal Solid Waste, Fire, First Aid.

d) They must provide a pond for discharge of treated waste water generated from the township and they have earmarked an area of 6,000 sqm for the said Pond on the attested layout plan and after marking pond, area left from the common utility area for the provisions of STP of the project proponent, MSW, Fire, E-Waste is 2,678 sqm. (Fire – 5m ×5m ×5m; First Aid Room – 70 sqf, Municipal Solid Waste

-100 sqm and STP – 175 sqm).

e) That they have no objection, if Suksha Developers Private Limited install their own Sewerage Treatment Plant (STP) at the aforesaid area marked for Utilities like Pond, Municipal Solid Waste, Fire, First Aid etc.

3. Submitted an undertaking by M/s Suksha Developers Pvt. Ltd. to the effect that in the event, M/s Shipra Estate Ltd. is unable to construct the Pond, as shown in their approved layout dated 28.01.2015, or the sewer connection facility/ provision/ sewer line is not laid down by the Municipal Council, Zirakupr, in that event they shall be liable to construct/ provide the said pond and lay down the sewerage lines for carrying treated waste water from their project premises to the said pond at their own cost.

4. The project proponent submitted drawings of pond (plan and x-section) including fencing to fulfill the commitment made in the undertaking, which was taken on record
by SEAC.

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 Row Housing project namely "Sushma Valencia" having total project area 77449 sqm and built up area
144777 sqm located in the project site of Shipra Estate Limited namely Super Mega ixed Land use Integrated Industrial Park, Village Nagla,Zirakpur, S.A.S Nagar, Punjab subject to the following conditions in addition to the proposed measures:

PART-A – Specific

Conditions: II. 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) All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.

(iii) The approval of competent authority shall be obtained for structural safety of the buildings due to earthquakes, adequacy of fire-fighting equipment etc. as per National Building Code including protection measures from lightning.

(iv) 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.

III. Construction Phase:

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

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

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

(iv) 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.

(v) The project proponent shall use only treated sewage/wastewater for construction activities and no fresh water for this purpose will be used. A proper record in this regard should be maintained and available at site.

(vi) Fly ash based construction material should be used in the construction as per the provisions of Fly Ash Notification of September, 1999 and as amended on August,

2003 and notification No. S.O. 2804 (E) dated 03.11.2009.

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

(viii) Adequate treatment facility for drinking water shall be provided, if required.

(ix) 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.

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

a. Fresh water :
Blue b. Untreated wastewater :
Black c. Treated wastewater :
Green

(for reuse)

d. Treated wastewater : Yellow

(for discharge)

e. Storm water : Orange

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

(xii) Separation of drinking water supply and treated sewage supply should be done by the use of different colors.

(xiii) **(a)** Adequate steps shall be taken to conserve energy by limiting the use of glass, provision of proper thermal insulation and taking measures as prescribed under the Energy Conservation Building Code and National Building Code,

2005 on Energy conservation.

(b) Solar power plant by utilizing atleast 30% of the open roof top area in the premises shall be installed for utilizing maximum solar energy. Also,

solar lights shall be provided as proposed for illumination of common areas instead
of CFL lights or any other conventional light/bulbs.

(xiv) 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.

(xv) Separate wet & dry bins at ground level and for common areas for facilitating segregation of waste, collection centre and mechanical composter (with a minimum capacity of 0.3kg/tenement/day) shall be provided for proper collection, handling, storage, segregation, treatment and disposal of solid waste.

(xvi) A rainwater harvesting plan shall be designed where the re-charge bores (minimum one per 5000 sqm of built up area) shall be provided. Recharging wells for roof top run-off shall have provision of adequate treatment for removing suspended matter etc. before recharging as per the CGWA guidelines. Run-off from areas other than roof top such as green areas and roads/pavement etc. may also be recharged but only after providing adequate treatment to remove suspended matter, oil & grease etc. and ensuring that rainwater being recharged from these areas is not contaminated with pesticides, insecticides, chemical fertilizer etc.

(xvii) The project proponent should fence the storage tank properly and in addition to this, the boundary wall shall be constructed at last stage or atleast 2 feet high opening in the boundary wall be provided at ground level to allow adequate passage to the surface run off during construction phase.

(xviii) Green belt of adequate width as proposed shall be provided so as to achieve attenuation factor conforming to the day & night standards prescribed forresidential land use. The open spaces inside the plot should be suitably landscaped and covered with vegetation of indigenous species/variety. A minimum of one tree for every 80 sqm of land shall be planted and maintained. The existing trees may be counted for this purpose. Preference should be given to planting native species. Where the trees need to be cut, compensatory plantation in the ratio of 1:3 (i.e. planting of three trees for every one tree that is cut) shall be done with the obligation to continue maintenance.

IV. Operation Phase and 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) The total water requirement for the project will be 647 KLD including 34 KLD for green area, out of which 454 KLD (fresh water) shall be met through borewell (ground water supply) and remaining 193 KLD through recycling of treated wastewater.

iii) a) The total wastewater generation from the project will be 490 KLD, which will be treated in a STP of capacity 725 KLD installed within the area of common utility reserved by M/s Shipra Estate Ltd. As proposed, reuse of treated wastewater and discharge of surplus treated wastewater shall be as below:

Season	**Reuse for flushing (KLD)**	**For irrigation purposes (KLD) in an area on**	**Discharge into pond/ M.C Sewer (as and when laid)**	**Total quantity of waste water generation**
Summer	159	34	297	490
Winter	159	10	321	490
Rainy	159	4	327	490

b) In case, M/s Shipra Estate Ltd. is unable to construct the Pond or sewer connection facility or sewer line is not laid down by the Municipal Council, Zirakupr, the project proponent shall construct the proposed pond & lay down the sewerage lines for treated waste water from their project premises to the pond at his own cost.

c) Storage tank of adequate capacity shall be provided for the storage of treated wastewater and all efforts shall be made to supply the same for construction purposes. Only, the surplus treated wastewater shall be discharged into sewer after maintaining the proper record.

iv) The project proponent shall ensure safe drinking water supply to the habitants.

v) The wastewater generated from swimming pool(s) shall not be discharged and

the same shall be reused within the premises for purposes such as horticulture, HVAC etc.

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

vii) Rainwater harvesting/recharging systems (13nos recharging pits) shall be operated and maintained properly as per CGWA guidelines.

viii) The facilities provided for collection, segregation, handling, on site storage & processing of solid waste such as wet & dry bins, collection centre & mechanical composter etc. shall be properly maintained. The collected solid waste shall be segregated at site. The recyclable solid waste shall be sold out to the authorized vendors for which a written tie-up must be done with the authorized recyclers. Organic waste shall be composted by mechanical composters with a minimum capacity of 0.3kg/tenement/day and the inert solid waste shall be sent to the concerned collection centre of integrated municipal solid waste management facility of the area. A proper record in this regard shall be maintained.

ix) Hazardous waste/E-waste should be disposed off as per Rules applicable and with the necessary approval of the Punjab Pollution Control Board.

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

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

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

xiii) Solar power plant and other solar energy related equipment shall be operated and maintained properly.

xiv) A report on the energy conservation measures conforming to energy conservation norms should be prepared incorporating details about machinery of air conditioning, lifts, lighting, building materials, R & U Factors etc. and submitted to the respective Regional office of MoEF, the Zonal Office of CPCB and the SPCB/SEIAA in three months time.

PART B – General

Conditions : 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 borewell(s) and shall not abstract any groundwater without prior written permission of the CGWA, even if any borewell(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

ii) 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. 133 Lacs towards capital investment, Rs.

15.4 Lacs towards recurring including monitoring expenditure and Rs. 10 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/residents society under proper MOU under intimation to SEIAA, Punjab. The project proponent shall spend minimum amount of Rs. 19.4 Lacs 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. 10 lacs towards CSR activities by providing scholarship to children of weaker section for studies of students of village Nagla, Bhankhpur, Shatabpur and Gazipur.

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) 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.

(vi) 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.

(vii) 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.

(viii) A proper record showing compliance of all the conditions of environmental clearance shall be maintained and made available at site at all the times.

(ix) 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.

(x) 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.

(xi) 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.

(xii) Environmental clearance is subject to final order of the Hon'ble Supreme Court of India in the matter of Goa Foundation Vs. Union of India in Writ Petition (Civil) No. 460 of 2004 as may be applicable to this project and decisions of any Competent Court, to the extent applicable.

(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.

The case is placed before the SEIAA for consideration.

Item No.134.12: 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 facts of the case are as under:-

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 an 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

A team of Sh. Malvinder Singh, Member (SEAC) and Dr. S.S. Virdi 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. Virdi 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 had 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.

The SEIAA observed that as per said procedure, 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.environmental clearance.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 were 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.environmental clearance.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.

It is also brought out 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.0.804 (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 has submitted 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 (m2)	%
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 m2	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 m2 (@ 2.201%)	31, 185.47 m2 (@ 2.215%)
Total Basement area (I Basement +II Basement)	21, 074.816 m2 (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

Environmental consultant of the promoter company concluded that they had already complied with the Terms of Reference. Regarding additional specific TOR in line with the notification dated 14.03.2017 as amended on 08.03.2018, the project proponent stated that no ecological damage is envisaged as all the construction activities done were as per the guidelines mentioned in Environment Clearance issued 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 dated. 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 this observation of SEAC, the project proponent clarified that they had already been granted environmental clearance and they have complied with all the conditions of environmental clearance. The only violation was that EC had expired. Moreover, they have already prepared and submitted detailed assessment report and prepared EMP as per requirement of Notification dated 14.03.2017. He requested that instead of issuing specific TOR their project be appraised directly for issuance of EC.

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
		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

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.

The case was considered by SEAC in the 168th meeting held on 22.06.2018 and the same was attended by the following on behalf of project proponent:

(i) Sh. S.B. Misra, Director of the promoter company.

(ii) Sh. Akhil Prasad, FAE, M/s DAS India, Environment consultant of the promoter company.

The SEAC was apprised that the sub-committee comprising of SEAC members Sh. N.S. Kahlon and Dr. A.K. Vig visited the project site on 02.06.2018 and has sent the visit report through email dated 12.06.2018, wherein it has been reported as under:-

- Inspection was done in the presence of the project proponent and their consultants etc. Environment Engineer PPCB was not present.
- The site was inspected physically & visually in detail & some photographs were taken as reference. The Surface Plan maps were also shown by the consultant.
- The plot area is having roads on all four sides, out of which three are relatively busy commercial roads. A land strip is also left around the structure/building for designated purposes. The property was barricaded temporarily all around. Building was lying untouched without any construction activity going on, for the past quite some time. It was evident as no construction material was found on site other than some stocks of old twisted bars, CI Pipes, bricks etc. lying in dead stock. It was clear that construction was ceased quite some time ago.

- The status of construction was verified from the lower basement up to the top floor. Some specific locations where structural work has to be undertaken were also shown to us, in order to complete it after the due approval/clearance. It is apparent that the entire plinth line and work up to the fourth floor in terms of structural erection had been completed by the owner except some patches at different levels. The columns & beams were having casting & curing markings duly dated. Erection of partition walls, plastering, flooring, other finishing works and external development work is yet to be started.
- The current proponent M/s Shalimar Corp Limited, Lucknow demonstrated the work undertaken by them which included the raising of the outer partition walls, initial development of the approach and the façade etc. It was told by the owner that minor appurtenant and structural work of approximately 300 sqm spread over lower ground, upper ground, third, second and fourth floor is yet to be completed before the finishing can be started. The proponent demonstrated the safety measures such as barricading of all the openings and covering the gaps to prevent any mishap, apart from barricading the entire property. They have also created a single opening gate and placed guards to discourage juvenile movement in the premises.

From the aforesaid mentioned report, the SEAC Concluded that project proponent had stopped construction after it was observed that Environmental Clearance had expired in year 2013. Further, the SEAC observed that penal action has already been filed in the court by the Board against the project proponents. Moreover, the project proponent has already complied with the conditions of Environmental Clearance.

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

1.	Category/Item No. (in schedule)	8(a): Building & Construction project
2.	Name and Location of the project	Commercial complex “CORAL MALL” at Nakodar Road, Jalandhar, Punjab by M/s Shalimar Corp Limited
3.	Project Cost	Rs 80 Crores.

<table>
<tr><td>4.</td><td colspan="3">Total Plot area, Built-up Area and Green area</td></tr>
<tr><td>5.</td><td colspan="3"><table>
<tr><td>Items</td><td>New Proposal</td></tr>
<tr><td>Total Plot Area</td><td>14,077.18 sq.m.</td></tr>
<tr><td>Landscape area (Soft Green)</td><td>688.86 m^2</td></tr>
<tr><td>Proposed FAR</td><td>31,266.02m^2 (@ 1:2.22)</td></tr>
<tr><td>Total Basement area
(I Basement +II Basement)</td><td>21,074.816 m^2
10,229.508+10,845.308)</td></tr>
<tr><td>Total Non- FAR
(Basement + Facilities)</td><td>21574.8 m^2</td></tr>
<tr><td>Built up Area (FAR+
Non FAR)</td><td>52,840.82 m^2</td></tr>
<tr><td>Type of facilities</td><td>Shops, Multiplex ,Food Court.</td></tr>
<tr><td>Latitude & Longitude</td><td>31°18’24.69”N, 75°33’55.06”E
31°18’22.76”N, 75°33’59.10”E
31°18’27.06”N, 75°34’1.34”E
31°18’28.65”N , 75°33’58.20”E</td></tr>
</table></td></tr>
<tr><td>6.</td><td>Population (Staff, Visitors etc.)</td><td colspan="2">12750 persons</td></tr>
<tr><td>7.</td><td>Total parking proposed</td><td colspan="2">656 ECS</td></tr>
<tr><td>8.</td><td>Water Requirements & source</td><td colspan="2"><table>
<tr><td>Break up of water requirement</td><td>Source</td></tr>
<tr><td>Total: 381 to 385 KLD</td><td></td></tr>
<tr><td>Domestic:320 KLD
HVAC:61 KLD
Green area: 04 KLD</td><td>Ground Water
Treated water
Treated water</td></tr>
<tr><td>Fresh:170 KLD
Flushing: 150 KLD</td><td>Ground water
Reuse after treatment</td></tr>
<tr><td>Green Area: 0.3 to 04 KLD</td><td>Reuse after treatment in an area of 688.86 sqm</td></tr>
</table></td></tr>
</table>

<table>
<tr><td>9.

10.</td><td>Treatment & disposal Arrangement of Waste water</td><td>The total wastewater generation from the project will be 290 KLD at the outlet of STP which will be treated in a STP of capacity 400 KLD installed within the premises of the project. As proposed, reuse of treated wastewater and discharge of surplus treated wastewater shall be as below:
<table>
<tr><th>Season</th><th>Reuse for flushing (KLD)</th><th>For green area purposes (KLD)</th><th>HVAC purpose (KLD)</th><th>Discharge into sewer (KLD)</th><th>Total</th></tr>
<tr><td>Summer</td><td>150</td><td>04</td><td>61</td><td>75</td><td>290</td></tr>
<tr><td>Winter</td><td>150</td><td>1</td><td>61</td><td>78</td><td>290</td></tr>
<tr><td>Rainy</td><td>150</td><td>0.3</td><td>61</td><td>78.7</td><td>290</td></tr>
</table></td></tr>
<tr><td>11.</td><td>Rain water harvesting detail</td><td>04 no. of rainwater recharging pits will be provided as per the norms of CGWA.</td></tr>
<tr><td>12.</td><td>Solid waste generation and its disposal</td><td>a) 2143 kg/day
b) Solid wastes will be appropriately segregated (at source by providing bins) into Bio-degradable and Non-Bio-degradable components through floor to floor collection system by service lift.
c) Waste will be 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.
d) Storage of solid waste shall be done for maximum 48 hours at site.
e) Recyclable waste will be sold to authorized agencies.
f) STP sludge will be disposed off along with municipal solid waste.</td></tr>
<tr><td>13.</td><td>Hazardous Waste</td><td>a) Used oil from DG sets will be will be stored at separate place and handover to authorized dealers.
a) E-waste will be will be stored at separate</td></tr>
</table>

		place and disposed off as per the E-waste (Management) Amendment Rules, 2018.
14.	Energy Requirements & Saving	a) 5000 KVA from PSPCL. b) Silent DG Sets 4 x 1500 kVA + 1 x 500 kVA. a) Maximum utilization of natural light, use of LED will be promoted. b) Day light photo sensors will be provided to ascertain automatic shut off lighting when not in use. c) 2% of total power demand (100 KW) will be managed through solar energy by providing use of solar lights in common areas and basement parking.
15.	Environment Management Plan along with Budgetary break up phase wise and responsibility to implement	Environment Management Cell (EMC) will be responsible for implementation of the Environment Management Plan. Rs 189 Lacs shall spend towards capital investment and Rs. 34.5 Lacs/year towards recurring including monitoring expenditure for the implementation of environment management plan.
16.	CER activities alongwith budgetary break up and responsibility to implement	Rs. 1.6 Crores over a period of 5 years shall be spent on the following CER activities: - a) Provide sanitation facilities on site and in near-by area b) Capacity augmentation of surrounding areas ➢ Development of parks ➢ Repairing of community buildings ➢ Adoption of near-by villages c) Organize health checkup camps in villages d) Organize tree plantation drives and awareness campaigns etc.

To a query of SEAC regarding whether any financial benefits till date has been derived from the project, the project proponent replied that no financial benefits has been derived from the project till date.

The SEAC observed that the online application submitted by the project proponent is for issuance of TOR only & is a case of violation of EIA Notification. The online application has to be closed by issuance of TOR only and the request of the project proponent for direct appraisal of grant of EC cannot be accepted.

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

I. Punjab Pollution Control Board may be requested to send the latest status of the legal action taken against the project proponent.

II. Issue the following "Terms of Reference" along with additional specific TOR in line with the notification dated 14.03.2017 as amended on 08.03.2018 for preparation of the EIA report: -

1) Project description, its importance and the benefits.
2) Project site details (location, topo-sheet of the study area of 10 km, coordinates, google map, layout map, land use, geological features and geo-hydrological status of the study area, drainage).
3) Land use as per the approved Master Plan of the area, Permission/approvals required from the land owning agencies, Development Authorities, Local Body, Water Supply & Sewerage Board, etc.
4) Land acquisition status, R&R details.
5) Forest and Wildlife and eco-sensitive zones, if any in the study area of 10 km - Clearances required under the Forest (Conservation) Act, 1980, the Wildlife (Protection) Act, 1972 and/or the Environment (Protection) Act, 1986.
6) Baseline environmental study for ambient air (PM_{10}, $PN_{2.5}$, $S0_2$, NO_x & CO), water (both surface and ground), noise and soil as per MoEF&CC/CPCB guidelines.
7) Details on flora and fauna and socio-economic aspects in the study area.
8) Likely impact of the project on the environmental parameters (ambient air, surface and ground water, land, flora and fauna and socio-economic, etc.).

9) Source of water for different identified purposes with the permissions required from the concerned authorities, both for surface water and the ground water (by CGWA) as the case may be, Rain water harvesting, etc.

10) Waste water management (treatment, reuse and disposal) for the project and also the study area.

11) Management of solid waste and the construction & demolition waste for the project vis-a-vis the Solid Waste Management Rules, 2016 and the Construction & Demolition Rules, 2016.

12) Energy efficient measures (LED lights, solar power, etc.) during construction as well as during operational phase of the project.

13) Assessment of ecological damage with respect to air, water, land and other environmental attributes. The collection and analysis of data shall be done by an environmental laboratory duly notified under the Environment (Protection) Act, 1986, or an environmental laboratory accredited by NABL, or a laboratory of a Council of Scientific and Industrial Research (CSIR) institution working in the field of environment.

14) Preparation of EMP comprising remediation plan and natural and community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation.

15) The remediation plan and the natural and community resource augmentation plan to be prepared as an independent chapter in the EIA report by the accredited consultants.

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.

The case is placed before the SEIAA for consideration.

Item No.134.13: Application for issuance of TORs for carrying out EIA study for obtaining Environmental clearance under EIA notification dated 14.09.2006 for establishment of 18 MW Biomass based Power Plant located in revenue estate of village Hakumat Singh Wala, Ferozeshah, Tehsil & District Firozpur by M/s Sukhbir Agro Energy Ltd. (Proposal no SIA/PB/THE/25813/2018)

The facts of the case are as under:-

M/s Sukhbir Agro Energy Ltd. has submitted an application for issuance of TORs for carrying out EIA study for obtaining Environmental clearance under EIA notification dated 14.09.2006 for establishment of 18 MW Biomass based Power Plant located in revenue estate of village Hakumat Singh Wala, Ferozeshah, Tehsil & District Firozpur. The project proponent submitted the form 1 and other requisite documents.

Environmental Engineer, PPCB, Regional office, Faridkot was requested vide email dated 22.05.2018 to send the detail comments on the siting guidelines along with construction status of the project site.

The case was considered by SEAC in its 167th meeting held on 26.05.2018 wherein the SEAC observed that no one on behalf of the project proponent is present to attend the meeting. Further, the SEAC was apprised that project proponent has not yet submitted a hard copy of the application after acceptance of its on line application as stipulated vide MoEF OM No. J-11013/49/2014-IA.I dated 06/06/2014.

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

The project proponent submitted the hard copy of the application on 01.06.2018 alongwith requisite documents. Further, Environmental Engineer, Punjab Pollution Control Board, Regional Office, Faridkot vide email dated 25.05.2018 & letter no. 1928 dated 25.05.2018 reported that proposed site of the Bio Mass Power Plant was visited by AEE of his office on 24.05.2018 and it was observed that the industry has not yet demarked boundary of the land and no construction activity has been started at the site. Further, in continuation to his office letter no. 1928 dated 25.05.2018, it has been informed that proposed site of the Bio Mass Power Plant was visited again by AEE of his office on 15.06.2018 and it was observed as under:

1. The site measuring about 42 acres is falling in the revenue estate of Village Hakumat Singh Wala along Ferozepur - Ludhiana road, (National Highway 95). The phirni of village of Hakumat Singh Wala is located at a distance of 600 meters from the proposed site. Aslo, phirni of any other village does not fall within 500 m from the proposed site.
2. The MC limit of Talwandi Bhai town is located at a distance of more than 2 kms from the proposed site.
3. No residential area (15 pucca houses) / religious place falls within 500 m distance from the proposed site.
4. One educational institute falls within a distance of 250 meter from the proposed site i.e. Meritorious School, Village Hakumat Singh Wala & one training institute of army is located just opposite to the proposed site.
5. No construction work has been started at the site so far, however the site has been de-marked with pillars. The site is surrounded by agriculture area all around.

The case was considered by SEAC in the 168th meeting held on 22.06.2018 and the same was attended by the following on behalf of project proponent:

(i) Sh. Snehashis Maity, Project Incharge of the promoter company.

(ii) Sh. Nilesh D. Deshmukh, M/s Envocare Ltd. Manager EC & EIA.

To a query of SEAC regarding applicability of the siting guidelines framed by MoEF&CC for thermal power plants, the project proponent replied that the siting guidelines framed by MoEF&CC for thermal power plants are not applicable on the project because this is bio-mass based power plant.

Thereafter, Sh. Nilesh D. Deshmukh, Environmental consultant of the promoter company presented the salient features of the project as under:-

- Punjab being agriculture state has immense potential for energy generation from agro residue. Punjab Energy Development Agency (PEDA) is the State Nodal Agency formed in Sept. 1991 for the promotion & development of Renewable Energy Projects in the Punjab. Till date 62.5 MW electricity is generated through Biomass based Power project in 7 plants in state of Punjab
- Biomass-fired power plant produces electricity and heat by burning biomass in a boiler. A carbon neutral fuel source for the generation of electricity; and apart from providing the much needed relief from power shortages, biomass power projects could generate employment in rural areas.

- M/s Sukhbir Agro Energy Ltd. (SAEL) has proven its expertise in the designing, construction and operation of biomass plants for the large-scale generation of electricity in India without increasing the carbon footprint. The following Biomass based power plant are their existing projects and are in operation: -

  a) 15 MW Biomass Power Plant at District – Gazipur, U.P.

  b) 14.5 MW Biomass Power Plant at District Muktsar, Punjab

- SAEL proposed to set up an 18 MW biomass based thermal power plant to meet the power demand. This proposed project is purely independent not interlinked with any project. The proposed biomass based thermal power plant has capacity of 18 MW based on 100% paddy straw

- The proposed infrastructure of the power plant is detailed below:

  (i) Main Power Building (Turbine & Boiler house)
  (ii) Shaded Fuel Yard
  (iii) DM Plant
  (iv) Mechanical Workshop
  (v) Switch Yard
  (vi) Water Reservoir
  (vii) Bag Filter & ESP
  (viii) Open Fuel Yard etc.
  (ix) Administrative building, Canteen & parking area is proposed inside the plant boundary

- The details of the proposed project are as under:

<table>
<tr><th>Sr.No</th><th>Details</th><th>Information</th></tr>
<tr><td>1.</td><td>Name of the Project</td><td>18 MW Biomass Based Thermal Power Plant of Sukhbir Agro Energy Limited</td></tr>
<tr><td>2.</td><td>Regulatory Framework</td><td>1(d) Thermal Power Plants as per EIA notification 2006</td></tr>
<tr><td>3.</td><td>Category</td><td>‘B’ Category (>15 MW plants based on biomass fuel)</td></tr>
<tr><td>4.</td><td>Location</td><td>Plot No. 13M/23, 14M/24, 20M/13, 21/5/1, 12,19M/8 at village-Hukumat singh Wala, Tehsil-Firozpur, District- Firozpur, Punjab</td></tr>
<tr><td>5.</td><td>Toposheet No.</td><td>44J/9 & 44J/13</td></tr>
<tr><td>6.</td><td>Capacity</td><td>1 X18 MW= 18 MW</td></tr>
<tr><td>7.</td><td>Name of Project Proponent</td><td>M/s. Sukhbir Agro Energy Limited</td></tr>
<tr><td>8.</td><td>Area Requirement</td><td>
<table>
<tr><td>Particulars</td><td>Area in SQM</td></tr>
<tr><td>Built-up Land</td><td>19950</td></tr>
<tr><td>Road Development</td><td>15000</td></tr>
<tr><td>Green Belt</td><td>56700</td></tr>
<tr><td>Storage Biomass</td><td>50500</td></tr>
<tr><td>Open Areas</td><td>29558.12</td></tr>
</table>
</td></tr>
</table>

		Total Area	171708.12	
9.	Water Requirement	Cooling Water Circulation will be 6000 CuM/Hr (Capacity of Cooling Towers). Evaporation Loss will depend on season and will vary from 3-4%. Considering 3.5% loss, make-up water requirement will be 210 CuM/Hr. After adding requirement of Water for Green Belt Development & Human consumption, total requirement of Water has been estimated at 225 CuM/Hr.		
10.	Power Requirement	10 to 11 % of total power generation		
11.	Man Power	123 (Skilled/Semiskilled/Unskilled)		
12.	Project Cost	144.66Crore		
13.	Eco Sensitive Zone (National Park, Wildlife Sanctuary, Biosphere Reserve, Wild Life Corridors etc.)	Not within 10 Km Study area		
14.	Historical & Archeological Important Place/s	Not within 10 Km Study area		

- **STATUS OF APPROVAL / PERMISSION**

1)	Land ownership	Already owned
2)	Gram Panchayat NOC	Already secured
3)	Water Supply Permission	In process
4)	Power supply Permission	In process
5)	Status of CTE	To be secured as per Norms
6)	Application submission for ToR Approval	23rd April, 2018

- **Land Bifurcation**

S. No.	Particulars	Area in SQM
1.	Built-up Land	19950
2.	Road Development	15000
3.	Green Belt	56700

4.	Storage Biomass	50500
5.	Open Areas	29558.12
	Total Area	**171708.12**

The other details of Parameters for 1×18 Mw Power Project are as under:-

S. No.	**Parameters**	**Value**
1.	**Fuel Consumption**	
	Source of Fuel	Paddy Straw from Firozpur
	Quantity of fuel	1,41,912 MT/Annum
	Fuel Gross Calorific Value (GCV)	2800 Kcal/Kg.
	Boiler capacity with Configuration	18 MW-80 TPH
	Storage facility provided	10 collection centers has been identified within the distance of 5 to 6 km from the project site.
2.	**Ash Generation**	
	Ash (Max) % in Paddy Straw	22%
	Ash generation	3500 Tonnes/ months
3.	**Water Source and Quantity**	
	Source of water	Indira Gandhi Canal-Sirihind Feeder
	Raw water requirement	Total: 225 CuM/Hr Source: Indira Gandhi Canal Distance: 1.0 km from project site Permission: Shall be secured
4.	**Ash Handling System**	
	Bottom Ash & Fly Ash	Bottom ash and the ash collected in the air heater hoppers and ESP hoppers are taken to an ash silo through a pneumatic conveying system.

5.	**Cooling Tower**	
	Cooling system	Induced draft Cross flow with three cells of 2000 m3/hr
	No. of Cooling Tower Pump	• 3 No. Cooling Water (CW) Pumps (150%) of capacity 2700 CUM/Hr (2 W + 1 S) • 2 Nos. Auxiliary Cooling (ACW) pumps of capacity 750 CUM/Hr.
S. No.	**Parameters**	**Value**
6.	**Chimney**	
	Height of Chimney	42 M
7.	**Boiler Parameters (100% BMCR)**	
	Steam flow at main steam stop valve outlet	80.00 TPH
	Peak Generation (2 hours per 24 hours)	110%
	Steam pressure at Main Steam Stop Valve outlet	95 Kg/cm2 (g)
	Superheated steam temperature at Main Steam Stop Valve outlet	540 ˚C
	Feed Water temperature at Economizer inlet	225 ˚C
8.	**Emission from Boiler**	
	i) NO_X	400 mg/Nm^3
	ii) SO2	NA
	iii) Hg	NA
	iv) Dust	30 mg/Nm^3
9.	**Turbine**	
	Power Generation Capacity	18 MW at 11 KV, 3 Phase, 50 HZ
	Inlet Steam Temperature	535^0C
	Inlet Steam Pressure	90 Kg/cm^2

	Exhaust Steam Pressure	0.0094 Mpa
	Inlet Steam Flow	73.8 T / Hour
	Calculated Steam Rate	4.10 Kg / Kw-Hr
	Calculated Heat Rate	2412 Kcal/ Kw-Hr
S. No.	**Parameters**	**Value**
12.	**Performance parameters of Generation**	
	Mode of Generator	Brushless Excitation but without PMG
	Rated Power	18 MW
	Rated Speed	3000 r/min
	Voltage at Generator Terminals	11 KV +/- 10%
	Rated Current	1312A
	Frequency	50 HZ (- 5% + 3%)
	Power Factor	0.8 (lagging)
	Poles	2
	Phases	3
	Excitation type	Brushless
	Efficiency	97.6%
	Type of Generator Air Cooler	CACW (N+1) Design
	Insulation Class	F
	Temperature Rise	B Class

- Total project cost of the project is 144.66 Crores.
- The details of the proposed measures in the EMP are as under:-

S. No.	Particulars
1.	**Air Pollution Management**
	• Stack of 42 m will be provided for the proper dispersion of the pollutant. • High Efficiency Electro Static Precipitators (ESP) are proposed to restrict the particulate matter.

	• Water sprinkling will be carried out for dust suppression in & around the ash silo as well as in plant site • Green Belt of adequate width is also conceived around the air pollution sources and also along plant boundary to restrict the air pollution • Stack with adequate height shall be provided to DG Set. • PUC vehicles will be allowed to transport the raw material.
2.	**Water Pollution Management**
	• Closed cycle cooling tower • To achieve ZLD; proper waste water treatment with DM & RO will be installed to treat the water & waste water. • Sewage from canteen, Colony, toilets etc. will be treated in STP and reused for greenbelt development & dust suppression. • Storm water drainage system will be constructed • Rain water harvesting system will be provided in plant area for ground water recharge.
3	**Noise Pollution Management**
	• All rotator equipment will be lubricated and provided with enclosures to reduce noise transmission • Insulation will be provided to reduce the loss of heat with noise. • Workers working in the high noise areas like compressor houses, blowers, generators, feed pumps, steam generation plant, turbo generator area will be provided with ear muffs/ear plugs. • Silencers will be provided for equipment • Green belt around the plant area will reduce the noise level. • Noise levels in the plant premises will be maintained 45-50 dB.
4	**Fly Ash & Bottom Ash Management**
	• Dry collection of Fly ash & Bottom in Silo. • 100 % Fly ash & Bottom ash utilization will be done as per MoEFCC guidelines. • Ash will be send for beneficial use to the farmers, Fly ash brick maker, Cement grinding industries.
5	**Other Solid/ Hazardous waste management**
	• Sludge from STP will be utilized as a manure for green belt development • Safe disposal of municipal solid waste. • Waste oil will be stored in a leak proof drums send to the authorized vendor.

6	**Green Belt Development**
	• About 33 % (56700 Sqm) of total area shall be developed a green belt. • Local & indigenous fast growing species those have dust suppression & noise tolerant capacity will be preferred for plantation.
7	**Occupational Health & Safety**
	• Workers engaged in material handling system will have regular health examination • Insulation will be provided to the to minimize the heat radiation & protection of workers. • Proper training & instruction for the handling of material, equipment. • To keep all operations and methods of work under regular review • Appropriate facilities for first aid, prompt treatment of injuries and illness at work. • operating instructions and emergency response procedures will be developed • Emergency alarm system • Fire hydrant, detector and Extinguishers • Provision of PPEs
8	**Social Environment**
	• Project help in up-liftment of local people's quality of life • Generate Direct & Indirect employment • Provide various education programs like adult education, restoration of school etc. • Polio camps & other health care camps. • Training to the youth & Women for their skill development.

- The project proponent has proposed that project shall follow safety Rules, regulations, hygiene and shall maintain good house keeping
- The project proponent has proposed the standard TORs.

The project proponent made a request to consider the monitoring which they have already started from 1st March 2018 to avoid monsoon season. The SEAC observed that request of the project proponent may be accepted in light of OM dated 29/08/2017 issued by MoEF & CC

The SEAC observed that the project proponent has provided adequate and satisfactory clarifications to the observations raised by it. 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 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 the proposed APCD i.e. Trauma Cyclone followed by Bag filters installed over induction furnace on the ambient air quality.
vii. Requirement of water (breakup for induction and other purposes) 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. 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. Location of any National Park, Sanctuary, Elephant / Tiger Reserve (existing as well as proposed), eco-sensitive area, interstate boundary, migratory routes, if any, within 10 km. of the project site shall be specified and marked on the map

ix. Topography of the area should be given clearly indicating whether the site requires any filling. If so, details of filling, quantity of fill material required, its source, transportation etc. should be given.

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

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

xii. Details of Drainage of the project up to 5km radius of study area. If the site is within 1 km radius of any major river, peak and lean season river discharge as well as flood occurrence frequency based on peak rainfall

data of the past 30 years. Details of Flood Level of the project site and maximum Flood Level of the river shall also be provided. (mega green field projects)

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

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

E. 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.

F. Environmental Status

i. Monitoring started for study of significant environmental parameter by project proponent from 01.03.2018 may be accepted

ii. 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.

iii. AAQ data (except monsoon) at 8 locations for PM10, PM2.5, S02, NOX, CO and other parameters relevant to the project shall be collected. The monitoring stations shall be based CPCB guidelines and take into account the pre dominant wind direction, population zone and sensitive receptors including reserved forests. The location of the monitoring stations should be so decided so as to take into consideration the pre-dominant downwind direction, population zone and sensitive receptors including

reserved forests. There should be at least one monitoring station in the upwind direction.

iv. Representation of SPM, RSPM, SO2 and NOx to be indicated in a tabular form given below:

S.N.	Locations of Monitoring Station (name, distance & directions)	Background Level	Predicted conc.	Resultant conc.	Air quality Standards

v. 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.

vi. 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.

vii. 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 as per the BIS 10500. At least three samples i.e. one from within the premises and two from outside the premises of the project.

viii. Noise levels monitoring at 8 locations within the study area.

ix. Soil Characteristic as per CPCB guidelines.

x. 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.

xi. 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.

xii. Socio-economic status of the study area.

G. 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. Source of water and its availability. Commitment regarding availability of requisite quantity of water from the competent authority.

iii. Water Quality modelling.

iv. Model study for prediction of ground water contamination and suggested mitigating measures to minimize the pollution level.

v. 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.

vi. Water conservation measures proposed in the project should be given.

vii. Quantum of wastewater generation from various sources, impacts of wastewater on the environment, 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.

viii. Details of water balance taking into account the reuse and re-circulation of effluents.

ix. Details of stack emission and action plan for control of emissions to meet standards.

x. Measures for fugitive emission control

xi. 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.

xii. Complete analysis of each fuel to be used alongwith assessment of quantity of such fuels required, its source and mode of transportation.

xiii. Details of storage of fuel inside the industrial premises and its impact on the environment such as air, water, land and biological.

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

xv. Availability of land for storage / disposal of ash and solid residue in environmentally appropriate manner, for a period of at least five years and proper ash management plan such as removal of this ash and its disposal etc. so that sufficient land is available for ash and solid residue disposal for the life of the project.

xvi. 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

xvii. Ground water potential including water harvesting, recharge and water balance of the area. Ground water recharge and balance available for present and future use.

xviii. 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.

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

xx. Action plan for post-project environmental monitoring shall be submitted.

xxi. 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.

H. 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.

I. 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

J. 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.

K. 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. As far as possible, quantitative dimensions to be given.

L. 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.

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

N. Specific TOR for Proposed project:

i. Status of compliance of Consent to Establish (NOC) of the project from PPCB shall be attached with the EIA-EMP report

ii. Details of proposed layout clearly demarcating proposed features of the project within the plant

iii. Complete process flow diagram describing each unit, its processes and operations.

iv. Details on design and manufacturing process for all the units.

v. Examine and submit impact due to ground water abstraction on ambient ground water on ambient ground water.

vi. Permission from CGWA for abstraction of ground water shall be submitted during submission of its EIA report.

vii. Approved site plan with physical features within 30 m

viii. Set back on all sides.

ix. Submit the use of fly-ash as per MOEF guidelines.

x. Submit the details of harnessing solar power within premises of the plant particularly at available rooftops and other available areas

xi. 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

xii. 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).

xiii. Details on toxic metal content in the waste material and its composition and end use if any.

xiv. Submit the details of the boilers including capacities and Air Pollution Control Devices to be installed

xv. Submit the following detail for 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 Post Control Qty. Pollutant	
						Per Unit	Per day

xvi. 1. Is the project intended to have Clean Development Mechanism (CDM)-intent?

(i) If not, then why?

(ii) If yes, then

(a) Has PIN (Project Idea Note) {or PCN (Project Concept Note)} submitted to the NCA? (National CDM Authority) in the Ministry of Environment & Forests?

(b) If not, then by when is that expected?

(c) Has PDD (Project Design Document) been prepared?

(d) What is the Carbon Intensity from your electricity generation projected? (i.e. CO_2 Tons/MWH or Kg/KWH)

(e) Amount of CO_2 in Tons/year expected to be reduced from the baseline data available on the Central Electricity Authority (CEA) web-site (www.cea.nic.in)

2. Notwithstanding (xvi) above, data on (d) & (e) above to be worked out and reported.

Executive Summary

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

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

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

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

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

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

vi. Capital cost of the project, estimated time of completion

vii. Site selected for the project - Nature of land - Agricultural (single/double crop), barren, Govt./private land, status of 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. In case of any negative impact, conservation plan should be provided.

xi. Impact of the project on local infrastructure of the area such as road network and whether any additional infrastructure would need to be constructed and the agency responsible for the same with time frame.

xii. Impact of various chemicals to be used in the process of the industry on the environment of the area and the mitigation measures to be adopted thereof.

xiii. Detailed Environment Management Plan (EMP) to mitigate the adverse impacts due to the project along with item wise cost of its implementation.

xiv.

xv. Emergency preparedness plan in case of natural or in plant emergencies

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

xvii. CSR plan with proposed expenditure.

xviii. Occupational Health Measures

xix. 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.

The case is placed before the SEIAA for consideration.

Item No.134.14: Application for issuance of TORs for carrying out EIA study for obtaining Environmental clearance under EIA notification dated 14.09.2006 for establishment of 18 MW Biomass based Power Plant located in revenue estate of Village Sedha Singh Wala, Tehsil Jaito, District Faridkot by M/s Sukhbir Agro Energy Ltd. (Proposal no SIA/PB/THE/25814/2018)

The facts of the case are as under:-

M/s Sukhbir Agro Energy Ltd. has submitted an application for issuance of TORs for carrying out EIA study for obtaining Environmental clearance under EIA notification dated 14.09.2006 for establishment of 18 MW Biomass based Power Plant located in revenue estate of Village Sedha Singh Wala, Tehsil Jaito, District Faridkot. The project proponent submitted form 1 and other requisite documents.

Environmental Engineer, PPCB, Regional office, Faridkot was requested vide email dated 22.05.2018 to send the detail comments on the siting guidelines along with construction status of the project site.

The case was considered by SEAC in its 167th meeting held on 26.05.2018 wherein the SEAC observed that no one on behalf of the project proponent is present to attend the meeting. Further, the SEAC was apprised that project proponent has not yet submitted a hard copy of the application after acceptance of its on line application as stipulated vide MoEF OM No. J-11013/49/2014-IA.I dated 06/06/2014.

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

The project proponent submitted the hard copy of the application on 01.06.2018 alongwith requisite documents. Further, Environmental Engineer, Punjab Pollution Control Board, Regional Office, Faridkot vide email dated 25.05.2018 & letter no. 1927 dated 25.05.2018 reported that proposed site of the Bio Mass Power Plant was visited by AEE of his office on 24.05.2018 in the presence of Sh. Sudhanshu Jindal, HOD accounts (92165-79514) and it was observed as under:

- The site measuring about 24 acres is falling in the revenue estate of Village Sedha Singh Wala along Jaitu – Bajakhana road which is a ODR. The phirni of village of Sedha Singh Wala is located at a distance of 500 mtrs from the

proposed site and other nearest villages Dal Singh Wala and Rau Wala are also located outside 500 mtrs distance from the site.

- The MC limit of Jaitu town is located at a distance of more than 2 kms from the proposed site.
- No residential area / religious place / educational institute are falling within 300 mtrs distance from the proposed site.
- No national highway / state highway falls within a distance of 500 mtrs from the proposed site.
- No construction work has been started at the site so far, however the site has been demarked with pillars. The site is surrounded by agriculture area all around.

The case was considered by SEAC in the 168th meeting held on 22.06.2018 and the same was attended by the following on behalf of project proponent:

(i) Sh. Karamjit Singh, Project Incharge of the promoter company.

(ii) Sh. Nilesh D. Deshmukh, M/s Envocare Ltd. Manager EC & EIA.

To a query of SEAC regarding applicability of the siting guidelines framed by MoEF&CC for thermal power plants, the project proponent replied that the siting guidelines framed by MoEF&CC for thermal power plants are not applicable on the project because this is bio-mass based power plant.

Thereafter, Sh. Nilesh D. Deshmukh, Environmental consultant of the promoter company presented the salient features of the project as under: -

- Punjab being agriculture state has immense potential for energy generation from agro residue. Punjab Energy Development Agency (PEDA) is the State Nodal Agency formed in Sept. 1991 for the promotion & development of Renewable Energy Projects in the Punjab. Till date 62.5 MW electricity is generated through Biomass based Power project in 7 plants in state of Punjab.
- Biomass-fired power plant produces electricity and heat by burning biomass in a boiler. A carbon neutral fuel source for the generation of electricity; and apart from providing the much needed relief from power shortages, biomass power projects could generate employment in rural areas.
- M/s Sukhbir Agro Energy Ltd. (SAEL) has proven its expertise in the designing, construction and operation of biomass plants for the large-scale generation of electricity in India without increasing the carbon footprint. The following Biomass based power plant are their existing projects and are in operation: -

a) 15 MW Biomass Power Plant at District – Gazipur, U.P.

b) 14.5 MW Biomass Power Plant at District Muktsar, Punjab

- SAEL proposed to set up an 18 MW biomass based thermal power plant to meet the power demand. This proposed project is purely independent not interlinked with any project. The proposed biomass based thermal power plant has capacity of 18 MW based on 100% paddy straw
- The proposed infrastructure of the power plant is detailed below:

(i) Main Power Building (Turbine & Boiler house)
(ii) Shaded Fuel Yard
(iii) DM Plant
(iv) Mechanical Workshop
(v) Switch Yard
(vi) Water Reservoir
(vii) Bag Filter & ESP
(viii) Open Fuel Yard etc.
(ix) Administrative building, Canteen & parking area is proposed inside the plant boundary

- The details of the proposed project are as under:

S.No.	Details	Information
1.	Name of the Project	18 MW Biomass Based Thermal Power Plant of M/s. Sukhbir Agro Energy Limited
2.	Regulatory Framework	1(d) Thermal Power Plants as per EIA notification 2006
3.	Category	'B' Category (> 15 MW plants based on biomass fuel)
4.	Location	Khasara No. 206, 207, 214, 170, 171, 204, 205,571/172,159,160, 161/1, 173, 174,572/172 at Village Sedha Singh Wala, Tehsil-Jaito, District-Faridkot, Punjab
5.	Toposheet No.	44J/14, 44 J/15, 44 N/2 & 44 N/3
6.	Capacity	1 X18 MW Biomass Based Thermal Power Plant
7.	Name of Project Proponent	M/s Sukhbir Agro Energy Limited
8.	Area Requirement	

Particulars	Area in SQM
Built-up Land	16500
Road Development	12000
Green Belt	35200.73
Storage Biomass	37000
Open Areas	5853
Total Area	106553.73

9.	Water Requirement	Total Cooling Water Circulation will be 6000 CuM/Hr i.e. Capacity of Cooling Towers. Evaporation Loss will depend on season and will vary from 3-4%. Considering 3.5% loss, make-up water requirement will be 210 CuM/Hr. After adding requirement of Water for Green Belt Development

		& Human consumption, total requirement of Water has been estimated at 225 CuM/Hr.
10.	Power Requirement	10 to 11 % of total power generation
11.	Man Power	123 (Skilled/Semi-Skilled/Unskilled)
12.	Project Cost	141.25Crore
13.	Eco Sensitive Zone (National Park, Wildlife Sanctuary, Biosphere Reserve, Wild Life Corridors etc.)	Not within 10 Km Study area
14.	Historical & Archeological Important Place/s	Not within 10 Km Study area

- **STATUS OF APPROVAL/ PERMISSION**

1)	Land ownership	Already owned
2)	Gram Panchayat NOC	Already secured
3)	Water Supply Permission	In process
4)	Power supply Permission	In process
5)	Status of CTE	To be secured as per Norms
6)	Application submission for ToR Approval	23rd April, 2018

- **Land Bifurcation**

S. No.	Particulars	Area in SQM
1.	Built-up Land	16500
2.	Road Development	12000
3.	Green Belt	35200.73
4.	Storage Biomass	37000
5.	Open Areas	5853
	Total Area	106553.73

The other details of Parameters for 1×18 Mw Power Project are as under:-

S. No.	Parameters	Value
1.	Fuel Consumption	
	Source of Fuel	Paddy Straw from Faridkot
	Quantity of fuel	141912 MT/Annum
	Fuel Gross Calorific Value (GCV)	2800 Kcal/Kg.
	Boiler capacity with Configuration	18 MW-80 TPH
	Storage facility provided	10 collection centers has been identified within the distance of 5 to 6 km from the project site.
2.	Ash Generation	
	Ash (Max) % in Paddy Straw	22%
	Ash generation	3500 Tonnes/ months
3.	Water Source and Quantity	
	Source of water	Raunta (Jaitu) Rajwaha Canal
	Raw water requirement	Total: 225 CuM/Hr Source: Raunta (Jaitu) Rajwaha Canal Distance: 2.50 km from project site Permission: Shall be secured
4.	Ash Handling System	
	Bottom Ash & Fly Ash	Bottom ash and the ash collected in the air heater hoppers and ESP hoppers are taken to an ash silo through a pneumatic conveying system.
5.	Cooling Tower	
	Cooling system	Induced draft Cross flow with three cells of 2000 m3/hr
	No. of Cooling Tower Pump	• 3 No. Cooling Water (CW) Pumps (150%) of capacity 2700 CUM/Hr (2 W + 1 S) • 2 Nos. Auxiliary Cooling (ACW) pumps of capacity 750 CUM/Hr.
6.	Chimney	
	Height of Chimney	42 M

7.	Boiler Parameters (100% BMCR)	
	Steam flow at main steam stop valve outlet	80.00 TPH
	Peak Generation (2 hours per 24 hours)	110%
	Steam pressure at Main Steam Stop Valve outlet	95 Kg/cm2 (g)
	Superheated steam temperature at Main Steam Stop Valve outlet	540 ˚C
	Feed Water temperature at Economizer inlet	225 ˚C
8.	Emission from Boiler	
	i) NO_X	400 mg/Nm^3
	ii) SO2	NA
	iii) Hg	NA
	iv) Dust	30 mg/Nm^3
9.	Turbine	
	Power Generation Capacity	18 MW at 11 KV, 3 Phase, 50 HZ
	Inlet Steam Temperature	535^0C
	Inlet Steam Pressure	90 Kg/cm^2
	Exhaust Steam Pressure	0.0094 Mpa
	Inlet Steam Flow	68.5 T / Hour
	Calculated Steam Rate	3.805 Kg/Kw-Hr
	Calculated Heat Rate	2313.25 Kcal/Kw-Hr
S. No.	**Parameters**	Value
12.	Performance parameters of Generation	
	Mode of Generator	Brushless Excitation but without PMG
	Rated Power	18 MW
	Rated Speed	1500 r/min

	Voltage at Generator Terminals	11 KV +/- 10%
	Rated Current	1312A
	Frequency	50 HZ (- 5% + 3%)
	Power Factor	0.8 (lagging)
	Poles	4
	Phases	3
	Excitation type	Brushless
	Efficiency	97.6%
	Type of Generator Air Cooler	F
	Temperature Rise	B Class

- Total project cost of the project is 141.25 Crores.
- The details of the proposed measures in the EMP are as under:-

S. No.	Particulars
1.	**Air Pollution Management**
	• Stack of 42 m will be provided for the proper dispersion of the pollutant. • High Efficiency Electro Static Precipitators (ESP) are proposed to restrict the particulate matter. • Water sprinkling will be carried out for dust suppression in & around the ash silo as well as in plant site • Green Belt of adequate width is also conceived around the air pollution sources and also along plant boundary to restrict the air pollution • Stack with adequate height shall be provided to DG Set. • PUC vehicles will be allowed to transport the raw material.
2.	**Water Pollution Management**
	• Closed cycle cooling tower • To achieve ZLD; proper waste water treatment with DM & RO will be installed to treat the water & waste water. • Sewage from canteen, Colony, toilets etc. will be treated in STP and reused for greenbelt development & dust suppression. • Storm water drainage system will be constructed

	• Rain water harvesting system will be provided in plant area for ground water recharge.
3	**Noise Pollution Management**
	• All rotator equipment will be lubricated and provided with enclosures to reduce noise transmission • Insulation will be provided to reduce the loss of heat with noise. • Workers working in the high noise areas like compressor houses, blowers, generators, feed pumps, steam generation plant, turbo generator area will be provided with ear muffs/ear plugs. • silencers will be provided for equipment • Green belt around the plant area will reduce the noise level. • Noise levels in the plant premises will be maintained 45-50 dB(A)
4	**Fly Ash & Bottom Ash Management**
	• Dry collection of Fly ash & Bottom in Silo. • 100 % Fly ash & Bottom ash utilization will be done as per MoEFCC guidelines. • Ash will be send for beneficial use to the farmers, Fly ash brick maker, Cement grinding industries
5	**Other Solid / Hazardous waste management**
	• Sludge from STP will be utilized as a manure for green belt development • Safe disposal of municipal solid waste. • Waste oil will be stored in a leak proof drums send to the authorized vendor.
6	**Green Belt Development**
	• About 33 % (35200.73 Sqm) of total area shall be developed as green belt. • Local & indigenous fast growing species those have dust suppression & noise tolerant capacity will be preferred for plantation.
7	**Occupational Health & Safety**
	• Workers engaged in material handling system will have regular health examination • Insulation will be provided to the to minimize the heat radiation & protection of workers. • Proper training & instruction for the handling of material, equipment. • To keep all operations and methods of work under regular review • Appropriate facilities for first aid, prompt treatment of injuries and illness at work.

	• operating instructions and emergency response procedures will be developed • Emergency alarm system • Fire hydrant, detector and Extinguishers • Provision of PPEs
8	**Social Environment**
	• Project help in up liftment of local people's quality of life • Generate Direct & Indirect employment • Provide various education programme like adult education programme, restoration of school etc. • Polio camps & other health care camps. • Training to the youth & Women for their skill development.

- The project proponent has proposed that project shall follow safety Rules, regulations, hygiene and shall maintain good house keeping
- The project proponent has proposed the standard TORs.

The project proponent made a request to consider the monitoring which they have already started from 1st March 2018 to avoid monsoon season. The SEAC observed that request of the project proponent may be accepted in light of OM dated 29/08/2017 issued by MoEF & CC.

The SEAC observed that the project proponent has provided adequate and satisfactory clarifications to the observations raised by it. 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 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 the proposed APCD i.e. Trauma Cyclone followed by Bag filters installed over induction furnace on the ambient air quality.

vii. Requirement of water (breakup for induction and other purposes) 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. 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. Location of any National Park, Sanctuary, Elephant / Tiger Reserve (existing as well as proposed), eco-sensitive area, interstate boundary, migratory routes, if any, within 10 km. of the project site shall be specified and marked on the map

ix. Topography of the area should be given clearly indicating whether the site requires any filling. If so, details of filling, quantity of fill material required, its source, transportation etc. should be given.

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

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

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

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

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

E. 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.

F. Environmental Status

i. Monitoring started for study of significant environmental parameter by project proponent from 01.03.2018 may be accepted

ii. 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.

iii. AAQ data (except monsoon) at 8 locations for PM10, PM2.5, S02, NOX, CO and other parameters relevant to the project shall be collected. The monitoring stations shall be based CPCB guidelines and take into account the pre dominant wind direction, population zone and sensitive receptors including reserved forests. The location of the monitoring stations should be so decided so as to take into consideration the pre-dominant downwind direction, population zone and sensitive receptors including reserved forests. There should be at least one monitoring station in the upwind direction.

iv. Representation of SPM, RSPM, SO2 and NOx to be indicated in a tabular form given below:

S.N.	Locations of Monitoring Station (name, distance & directions)	Background Level	Predicted conc.	Resultant conc.	Air quality Standards

v. 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.

vi. 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.

vii. 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 as per the BIS 10500. At least three samples i.e. one from within the premises and two from outside the premises of the project.

viii. Noise levels monitoring at 8 locations within the study area.

ix. Soil Characteristic as per CPCB guidelines.

x. 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.

xi. 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.

xii. Socio-economic status of the study area.

G. 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. Source of water and its availability. Commitment regarding availability of requisite quantity of water from the competent authority.

iii. Water Quality modelling.

iv. Model study for prediction of ground water contamination and suggested mitigating measures to minimize the pollution level.

v. 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.

vi. Water conservation measures proposed in the project should be given.

vii. Quantum of wastewater generation from various sources, impacts of wastewater on the environment, 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.

viii. Details of water balance taking into account the reuse and re-circulation of effluents.

ix. Details of stack emission and action plan for control of emissions to meet standards.

x. Measures for fugitive emission control

xi. 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.

xii. Complete analysis of each fuel to be used alongwith assessment of quantity of such fuels required, its source and mode of transportation.

xiii. Details of storage of fuel inside the industrial premises and its impact on the environment such as air, water, land and biological.

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

xv. Availability of land for storage / disposal of ash and solid residue in environmentally appropriate manner, for a period of at least five years and proper ash management plan such as removal of this ash and its disposal etc. so that sufficient land is available for ash and solid residue disposal for the life of the project.

xvi. 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

xvii. Ground water potential including water harvesting, recharge and water balance of the area. Ground water recharge and balance available for present and future use.

xviii. 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.

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

xx. Action plan for post-project environmental monitoring shall be submitted.

xxi. 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.

H. 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.

I. 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

J. 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.

K. 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. As far as possible, quantitative dimensions to be given.

L. 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.

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

N. Specific TOR for Proposed project:

i. Status of compliance of Consent to Establish (NOC) of the project from PPCB shall be attached with the EIA-EMP report

ii. Details of proposed layout clearly demarcating proposed features of the project within the plant

iii. Complete process flow diagram describing each unit, its processes and operations.

iv. Details on design and manufacturing process for all the units.

v. Examine and submit impact due to ground water abstraction on ambient ground water on ambient ground water.

vi. Permission from CGWA for abstraction of ground water shall be submitted during submission of its EIA report.

vii. Approved site plan with physical features within 30 m

viii. Set back on all sides.

ix. Submit the use of fly-ash as per MOEF guidelines.

x. Submit the details of harnessing solar power within premises of the plant particularly at available rooftops and other available areas

xi. 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

xii. 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).

xiii. Details on toxic metal content in the waste material and its composition and end use if any.

xiv. Submit the details of the boilers including capacities and Air Pollution Control Devices to be installed

xv. Submit the following detail for air pollution**:-**

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

			Sheet to furnish Details				
						Per Unit	Per day

xvi. 1. Is the project intended to have Clean Development Mechanism (CDM)-intent?

(i) If not, then why?
(ii) If yes, then
(a) Has PIN (Project Idea Note) {or PCN (Project Concept Note)} submitted to the NCA? (National CDM Authority) in the Ministry of Environment & Forests?
(b) If not, then by when is that expected?
(c) Has PDD (Project Design Document) been prepared?
(d) What is the Carbon Intensity from your electricity generation projected? (i.e. CO_2 Tons/MWH or Kg/KWH)
(e) Amount of CO_2 in Tons/year expected to be reduced from the baseline data available on the Central Electricity Authority (CEA) web-site (www.cea.nic.in)

2. Notwithstanding (xvi) above, data on (d) & (e) above to be worked out and reported.

Executive Summary

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

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

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

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

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

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

vi. Capital cost of the project, estimated time of completion

vii. Site selected for the project - Nature of land - Agricultural (single/double crop), barren, Govt./private land, status of 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. In case of any negative impact, conservation plan should be provided.

xi. Impact of the project on local infrastructure of the area such as road network and whether any additional infrastructure would need to be constructed and the agency responsible for the same with time frame.

xii. Impact of various chemicals to be used in the process of the industry on the environment of the area and the mitigation measures to be adopted thereof.

xiii. Detailed Environment Management Plan (EMP) to mitigate the adverse impacts due to the project along with item wise cost of its implementation.

xiv. Emergency preparedness plan in case of natural or in plant emergencies

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

xvi. CSR plan with proposed expenditure.

xvii. Occupational Health Measures

xviii. 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.

The case is placed before the SEIAA for consideration.

Item No.134.15: Application for issuance of ToRs for carrying out EIA study for obtaining environmental clearance under EIA notification dated 14.09.2006 for establishment of Group Housing Project namely " Shourya Greens" in the revenue estate of Surya Enclave, Amritsar By Pass Raod, Near Trinity College, Jalandhar, Punjab by M/s Shourya Tower Pvt. Ltd. (SIA/PB/NCP/22984/2018)

The facts of the case are as under:-

M/s Shourya Tower Pvt. Ltd. has submitted an application for issuance of ToRs for carrying out EIA study for obtaining environmental clearance under EIA notification dated 14.09.2006 for establishment of Group Housing Project namely "Shourya Greens" located in Surya Enclave, Amritsar Bypass Road, Near Trinity College, Jalandhar, 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 an 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.

MoEF&CC has transferred proposal no. IA/PB/NCP/66826/2017 dated 31/07/2017 to SEIAA vide proposal no. SIA/PB/NCP/22984/2018 on 28/03/2018 for appraisal of the project in compliance to the amended notification dated 08.03.2018. the project proponent has submitted the Form1 and other requisite documents. The project proponent submitted brief history of the project is as under:-

1) Total plot area for the project is 66854.12 sqm and the built-up area 141869.32 sqm, out of which 84898.9164 sqm has already been constructed which includes residential area (22 Towers constructed out of 35 Towers), commercial area, parking area and other services
2) Jalandhar Improvement Trust (JIT) has acquired 170 acres of land in Jalandhar for the development of Group housing project and other Area developments.
3) "Shourya Greens" is a "private public partnership" model project between Jalandhar Improvement Trust (JIT) and M/s Shourya Towers Pvt. Ltd (developer) which is to be developed in 16.52 acres in the total land acquired by JIT and both parties are bind by the registered agreement dated 05.08.2005. However, it was very much in the state of confusion that Environmental clearance and other NOC's were to be taken by Jalandhar Improvement Trust or by M/s Shourya Pvt. Ltd.
4) At the time of obtaining occupational certificate, it was directed that they shall obtain Consent to Operate from Punjab Pollution Control Board. Show Cause Notice for violation issued by the Punjab Pollution Control Board under water

Act, 1974, Air Act, 1981 and Environmental Protection Act, 1989. The project proponent has already been prosecuted by Punjab Pollution Control Board.

5) The matter was taken by Punjab Pollution Control Board twice and the project proponents were directed to obtain environmental clearance and consent to operate for 16.52 acre separately.
6) It was requested that they were unaware of the norms and procedures and did the violation unintentionally

The project proponent submitted that they had started the work onsite & partly completed the construction work without obtaining prior Environment Clearance. Being a case of violation of the provisions of EIA notification dated 14.09.2006 and as per amendment notification vide No S.O. 804 (E) dated 14-03-2017, project proponent has submitted online application vide proposal no. IA/PB/NCP/66826/2017 on 31/07/2017 to MOEF&CC, for issuance of TORs for obtaining Environmental Clearance for the project located in Surya Enclave, Amritsar By Pass Road, Near Trinity College, Jalandhar, Punjab.

The case was considered by SEAC in its 167th meeting held on 26.05.2018 wherein the SEAC observed that no one on behalf of the project proponent is present to attend the meeting. Further, the SEAC was apprised that project proponent has not yet submitted a hard copy of the application after acceptance of its on line application as stipulated vide MoEF OM No. J-11013/49/2014-IA.I dated 06/06/2014.

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

The project proponent submitted the hard copy of the application on 28.05.2018 alongwith requisite documents.

The case was considered by SEAC in the 168th meeting held on 22.06.2018 and the same was attended by the following on behalf of project proponent:

(i) Sh. Varun Sharma, General Manager of the promoter company.
(ii) Sh. Himanshu Goel, Director of M/s OCEAO-ENVIRO Management Solutions (India) Pvt. Ltd.,

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

- The project is a Group Housing Project- “Shourya Greens” located at Surya Enclave, Amritsar by pass road, Near Trinity College, Jalandhar, Punjab.
- Total plot area for the project is 66854.12 sqm and the built-up area 148283.76 sqm, out of which 91315.89 sqm has already been constructed which includes residential are and , commercial area, parking area and other services
- In residential area 22 Towers has been constructed out of 35 Towers
- Jalandhar Improvement trust has acquired 170 acres of land in Jalandhar for the development of Group housing project and other area development.
- The project “ Shourrya Green” is a “private public partnership” model projet between Jalandhar Improvement Trust (JIT) and M/s Shourya Towers Pvt. Ltd (developer) which is to be developed in 16.52 acres in the total land acquired by JIT and both parties are bind by the registered agreement dated 05.08.2005.
- The total plot area of group housing colony is 66,854.12m2(or16.52 acres). The comparative detailed area statement as per the total area is as under:-

Sl. No.	**Particulars**	**Construc-ted**	**To be constructed**	**Total Values (m^2)**
1.	Plot Area			66854.12 (16.52 Acres)
2.	Permissible Ground Coverage (@ 50% of total plot area)			33427.06
3.	Proposed Ground Coverage (@ 28.65 % of total plot area)			19152.52
4.	Permissible F.A.R. (@ 2)			1,33,708.25
5.	Proposed F.A.R. – **(A)** • Residential F.A.R. • Commercial (Shopping)/Community centre F.A.R.	76976.77 3,399.96	524820	1,32,858.79 129458.77 3,399.96
6.	Services Area-**(B)**	880.14	0	880.14
7.	Area under security + check post-**(C)**	120.00	0	120.00
8.	Open parking			12,050.97
9.	Basement parking –**(D)**	8010	0	8010
10.	Stilt Parking-**(E)**	1929.315	4485	6414.83
11.	Landscape (@30.19% of total plot area)			20,181.62 (30.19%)

12.	Built up Area- **(A+B+C+D+E)**	91315.89	56967.87	148283.76
13.	DU's	624	348	972

- Total built-up area of the project is 1,48,283.76 sqm out of which the total constructed built-up area is 91315.89 sqm & remaining built-up area (which is yet to be constructed) is 56967.87 sqm. The total no. of the flats is 972 and out of the total 624 flats has been developed and 348 flats will be developed at the site. This includes Residential area (22 towers constructed out of 35 towers), Commercial area, Parking area and other services.
- The residential population for the total area of the project is 5487 persons
- The project cost (land + development cost) for the group housing project is 197.60 Crores.
- The total water requirement for the project is 714 KLD out of which 616KLD is domestic water requirement,90 KLD for horticulture area (20181.62 sqm) and remaining 8.0 KLD for cooling purpose of DG set. The water supply will be provided by private water tanker. The fresh water requirement for the project is approx 616 KLD.
- It is expected that the project will generate approx. 529 KLD of sullage. The sullage generated by the project will be treated in the common sewage treatment plant as the project has the provision of connecting the internal sewer line with the master line of master sewage treatment plant of Jalandhar improvement trust at Pholriwal, Jalandhar.
- Total of 17 Rain Water Harvesting pits has been proposed for artificial rain water recharge within the project premises.
- Total parking proposed at the project site is 930 ECS.
- The power supply shall be supplied by Punjab State Power Corporation Limited (PSPCL). Silent DG set of capacity 3 x 750 KVA (2250 KVA) will be used as power backup in the project. The Maximum Demand load for the group housing project will be approx. 4892KVA.
- The solid waste generated from the project is being mainly domestic waste and estimated quantity of the waste shall be approx.2441.3 kg per day. Suitable arrangements will be made at the site in accordance to Municipal Solid Wastes (Management and Handling) Rules, 2000 and amended Rules, 2008.

- The total green area is 20,181.62 m2 (30.19 % of plot area) will be under herbs, shrubs, climbers, saucer shaped water bodies etc. Evergreen tall and ornamental trees have been proposed to be planted inside the premises. Green area will enhance the aesthetic value of the site and help combat air and noise pollution.
- The project proponent has proposed the following energy conservation measures:-
  a) LED based lighting has done in the common areas, landscape area. Signages, entry gate and boundary walls etc.
  b) Solar water heating System
  c) Appropriate design to reduce heat gain and loss.
  d) Maximization of natural ventilation & lighting.
- The project proponent has proposed the draft TOR.
- Being a case of violation of the provisions of EIA notification dated 14.09.2006 and as per amendment notification vide No S.O. 804 (E) dated 14-03-2017, project proponent has submitted online application vide proposal no. IA/PB/NCP/66826/2017 on 31/07/2017 to MOEF&CC, for issuance of TORs for obtaining Environmental Clearance for the project located in Surya Enclave, Amritsar By Pass Road, Near Trinity College, Jalandhar, Punjab.

  To a query regarding built up area of the project, the project proponent clarified that in application the built up area is 141869.32 sqm but stilt area was not taken. They had started the work onsite & partly completed the construction work without obtaining prior Environment Clearance.

  To another query regarding site suitability of the project, the project proponent stated that the land has been acquired land by Jalandhar Improvement Trust (JIT) and developed to a group housing project for the residential purpose only. The said development is as per the approved land use by the concerned authority of that area. 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 the said Notification.

The SEAC observed that it is a case of violation of EIA Notification. After detailed deliberations, SEAC decided to recommend to SEIAA as under:

III. Punjab Pollution Control Board may be requested to send the latest status of the legal action taken against the project proponent.

IV. The project proponent will submit the following documents alongwith EIA report:-

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
b. Proof of ownership of land
c. Approved layout Plan.

V. Issue the following "Terms of Reference" along with additional specific TOR in line with the notification dated 14.03.2017 as amended on 08.03.2018 for preparation of the EIA report: -

1) Project description, its importance and the benefits.
2) Project site details (location, topo-sheet of the study area of 10 km, coordinates, google map, layout map, land use, geological features and geo-hydrological status of the study area, drainage).
3) Land use as per the approved Master Plan of the area, Permission/approvals required from the land owning agencies, Development Authorities, Local Body, Water Supply & Sewerage Board, etc.
4) Land acquisition status, R&R details.
5) Forest and Wildlife and eco-sensitive zones, if any in the study area of 10 km - Clearances required under the Forest (Conservation) Act, 1980, the Wildlife (Protection) Act, 1972 and/or the Environment (Protection) Act, 1986.
6) Baseline environmental study for ambient air (PM_{10}, $PN_{2.5}$, $S0_2$, NO_x & CO), water (both surface and ground), noise and soil as per MoEF&CC/CPCB guidelines.
7) Details on flora and fauna and socio-economic aspects in the study area.
8) Likely impact of the project on the environmental parameters (ambient air, surface and ground water, land, flora and fauna and socio-economic, etc.).

9) Source of water for different identified purposes with the permissions required from the concerned authorities, both for surface water and the ground water (by CGWA) as the case may be, Rain water harvesting, etc.

10) Waste water management (treatment, reuse and disposal) for the project and also the study area.

11) Management of solid waste and the construction & demolition waste for the project vis-a-vis the Solid Waste Management Rules, 2016 and the Construction & Demolition Rules, 2016.

12) Energy efficient measures (LED lights, solar power, etc.) during construction as well as during operational phase of the project.

13) Assessment of ecological damage with respect to air, water, land and other environmental attributes. The collection and analysis of data shall be done by an environmental laboratory duly notified under the Environment (Protection) Act, 1986, or an environmental laboratory accredited by NABL, or a laboratory of a Council of Scientific and Industrial Research (CSIR) institution working in the field of environment.

14) Preparation of EMP comprising remediation plan and natural and community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation.

15) The remediation plan and the natural and community resource augmentation plan to be prepared as an independent chapter in the EIA report by the accredited consultants.

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.

The case is placed before the SEIAA for consideration.

Item No.134.16: Application for obtaining environmental clearance under EIA notification dated 14.09.2006 for establishment of group housing project namely "CITY CENTRAL" located in the revenue estate of village Dhakouli, Zirakpur, Tehsil Derabassi, District SAS Nagar (Mohali), Punjab developed by M/s Gupta Builders and Promoters Pvt Limited. (Proposal no. SIA/PB/NCP/75233/2018)

The facts of the case are as under:-

The project proponent has filed an application for obtaining Environment Clearance under EIA notification, 2006 for establishment of a group housing project namely "City Central" located in the revenue estate of village Dhakouli, Zirakpur, Tehsil Derabassi, District SAS Nagar (Mohali), Punjab. The project proponent submitted Form 1, Form 1A and other documents.

Environmental Engineer, PPCB, Regional office, Mohali was requested vide email dated 06.06.2018 to send the construction status of the project site. Environmental Engineer, RO, Mohali vide email 12.06.2018 informed that the subject cited project was visited by AEE of his office on 11/06/2018 and Sh. Deepak Gupta, Consultant of the project was contacted and he showed the site of the project. It was observed that no construction work has been started at site of the project proponent. The proposed project is surrounded by many housing projects.

The case was considered by SEAC in the 168th meeting held on 22.06.2018 and the same was attended by the following on behalf of project proponent:

(i) Sh. Harbhajan Lal, Manager liaison of the promoter company.

(ii) Sh. Sumitava Dutta, FAE, M/s CPTL, Chandigarh, Environment consultant of the promoter company.

The SEAC allowed the Environmental Consultant to present the salient features of the project. The Environmental Consultant presented the case as under:-

1.	Category/Item No. (in schedule)	8(a): Group Housing project
2.	Name and Location of the project	City Central located in the revenue estate of village Dhakouli, Zirakpur, Tehsil Derabassi, District SAS Nagar (Mohali), Punjab.

<table>
<tr><td>4.</td><td>Total Plot area, Built-up Area and Green area</td><td>The details of the group housing project is as under:
<table>
<tr><td>S.No.</td><td>Description</td><td>Details</td></tr>
<tr><td>1.</td><td>Total Project land Area</td><td>9174 sqm</td></tr>
<tr><td>2.</td><td>Built-up Area</td><td>25576 sqm</td></tr>
<tr><td>3.</td><td>Total No. of flats</td><td>128</td></tr>
</table></td></tr>
<tr><td>5.</td><td>Population (when fully inhabited)</td><td>Residential population of 640 Persons.</td></tr>
<tr><td>6.</td><td>Water Requirements & source</td><td>
<table>
<tr><th>Break up of water requirement</th><th>Source</th></tr>
<tr><td>Total: 87-95 KLD

Domestic:86 KLD
Green Area: 1-9 KLD

Fresh: 57 KLD

Flushing: 29 KLD
Green Area 1591 sqm : 01-09 KLD</td><td>-

Treated waste water

Ground Water

Treated waste water
Treated waste water</td></tr>
</table></td></tr>
<tr><td>7.</td><td>Disposal Arrangement of Waste water</td><td>Total = 69 KLD, which will be treated in the STP of capacity 110 KLD to be installed in the project premises.
<table>
<tr><th>S.No.</th><th>Season</th><th>For Flushing purposes (KLD)</th><th>Green Area 1591sqm (KLD)</th><th>Into MC SEWER (KLD)</th></tr>
<tr><td>1.</td><td>Summer</td><td>29</td><td>09</td><td>31</td></tr>
<tr><td>2.</td><td>Winter</td><td>29</td><td>03</td><td>37</td></tr>
<tr><td>3.</td><td>Rainy</td><td>29</td><td>01</td><td>39</td></tr>
</table></td></tr>
<tr><td>8.</td><td>Rain water recharging detail</td><td>02 nos recharging pits will be provided as per the norms of CGWA.</td></tr>
<tr><td>9.</td><td>Solid waste generation and its disposal</td><td>a) 256 kg/day
b) Solid wastes will be appropriately segregated (at source by providing bins) into recyclable, Bio-degradable Components, and non- bio-degradable. Chute will be provided to collect the waste.
c) The recyclable waste will be sold to authorized recyclers.
d) Municipal Council, Zirakpur has issued a letter vide no 886 dated 04/05/2018 to the effect that after completion of the project, Municipal Council will manage the waste material and garbage of the</td></tr>
</table>

<table>
<tr><td></td><td></td><td>project as per SWM Rules, 2016 on the cost of project proponent.</td></tr>
<tr><td>10</td><td>Hazardous Waste</td><td>Used oil from DG sets will be sold to registered recyclers.</td></tr>
<tr><td>11.</td><td>Energy Requirements & Saving</td><td>a) 750 KW from PSPCL.
b) 2 x240 KVA and 2 x 125 KVA (Multiple silent DG sets)
c) Solar Lights (10 No) in common area will be provided.
d) Common area (150) lights replaced with LED
e) Use of Solar water heating system/LED shall be encouraged in the group housing.
f) 126 KWHD energy will be saved by using 30 % roof top area (977 sqm) for solar power generation</td></tr>
<tr><td>12.</td><td>Environment Management Plan along with Budgetary break up phase wise and responsibility to implement</td><td>During construction phase, General Manager, Projects will be responsible for implementation of the EMP. Thereafter, association of the residents or M.C whosoever takes over the project will be responsible for implementation of the EMP.

<table><tr><th>Description</th><th>Capital Cost</th><th>Recurring Cost (per annum)</th><th>Monitoring of Air, Noise water(per annum)</th></tr><tr><td>Construction</td><td>Rs. 62.5 lac</td><td>7.0 Lac</td><td>5.9 Lac</td></tr><tr><td>Operation</td><td>-</td><td>Rs.10 lac</td><td>Rs. 6.9 lac</td></tr></table></td></tr>
<tr><td>13.</td><td>CSR activities alongwith budgetary break up and responsibility to implement</td><td>Director will be responsible for implementation of CSR activities. Rs 10 Lac will be spent on the following CSR activities with the consultation of the villagers: -
(i) Toilets and drinking facility for in Sr. Secondary School Souudu Maqsood, District Nawasaher.
(ii) Tree plantation will be done along the 200 ft master plan road.</td></tr>
<tr><td>14</td><td>Other important facts</td><td>➢ The project site is located at Village Dhakouli, Zirakpur and the land for the proposed project confirms to the land use as per the Master Plan.
➢ The project site does not fall in any notified reserved forest area and in any notified sanctuary area.
➢ Municipal Council, Zirakpur issued a letter no. 888 dated 04/05/2018 to the effect that after completion of the project, the company may connect the project sewer with the main sewer of Municipal Council to discharge 66 KLD treated waste water after depositing the requisite charges.
➢ The ambient air, ambient noise, soil and ground</td></tr>
</table>

		water monitoring has been got done for all the parameters as per the prescribed norms. The concentration of all the parameters is found in the permissible limits.

Thereafter, the SEAC raised certain queries to which project proponent replied as under: -

Sr. No.	Query of SEAC	Reply
1	Mechanical Composter should be provided.	The project proponent submitted an undertaking to the effect that they will provide Mechanical Composter, which was taken on record by SEAC
2	Amount of Rs. 10 lacs reserved for CER activities is not as per OM dated 01/05/2018 and same should be increased upto Rs. 20 lac and detail activities amount to be submitted alongwith timelines (year wise)	Rs 20 Lac will be spent on the following CER activities as per the detail given below: - (i) Rs 5.0 Lacs for providing toilets at Sr. Secondary School Souudu Maqsood, District Nawasaher (Activity to be done within 6 months) (ii) Rs 5.0 Lacs for providing tree plantation on 200 ft master plan road of Mohali-Zirakpur towards Zirakpur (Activity to be started in the monsoon seasons) (iii) Rs 10.0 Lacs for cleaning of ponds in village chaat and Bhankarapur (Activity will be done in year 2020) An undertaking submitted in this regard was taken on record by the SEAC.
3	Municipal Council Sewer position to be marked on layout plan showing position of STP.	The project proponent has submitted a layout plan dully marked with Municipal Council Sewer position and location of STP, which was taken on record by the SEAC.
4	A Copy of the application submitted to Wildlife warden to be submitted.	A Copy of the application submitted to Wildlife warden has been submitted.

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 group housing project namely “CITY CENTRAL” having total project area 9174 sqm and built up area 25576 sqm located in the revenue estate of village

Dhakouli, Zirakpur, Tehsil Derabassi, District SAS Nagar (Mohali), 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 fire-fighting 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) All the topsoil excavated during construction activities should be stored for use in horticulture / landscape development within the project site.

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

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

(iv) 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.

(v) The project proponent shall use only treated sewage/wastewater for construction activities and no fresh water for this purpose will be used. A proper record in this regard should be maintained and available at site.

(vi) Fly ash based construction material should be used in the construction as per the provisions of Fly Ash Notification of September, 1999 and as amended on August, 2003 and notification No. S.O. 2804 (E) dated 03.11.2009.

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

(viii) Adequate treatment facility for drinking water shall be provided, if required.

(ix) 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.

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

a. Fresh water	:	Blue
b. Untreated wastewater	:	Black
c. Treated wastewater (for reuse)	:	Green
d. Treated wastewater (for discharge)	:	Yellow
e. Storm water	:	Orange

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

(xii) Separation of drinking water supply and treated sewage supply should be done by the use of different colors.

(xiii) **(a)** Adequate steps shall be taken to conserve energy by limiting the use of glass, provision of proper thermal insulation and taking measures as prescribed under the Energy Conservation Building Code and National Building Code, 2005 on Energy conservation.

(b) Solar power plant by utilizing at least 30% of the open roof top area in the premises shall be installed for utilizing maximum solar energy. Also, solar lights shall be provided as proposed for illumination of common areas instead of CFL lights or any other conventional light/bulbs.

(xiv) 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.

(xv) Chute system, Separate wet & dry bins at ground level and for common areas for facilitating segregation of waste, collection centre and mechanical

composter (with a minimum capacity of 0.3kg/tenement/day) shall be provided for proper collection, handling, storage, segregation, treatment and disposal of solid waste.

(xvi) A rainwater harvesting plan shall be designed where the re-charge bores (minimum one per 5000 sqm of built up area) shall be provided. Recharging wells for roof top run-off shall have provision of adequate treatment for removing suspended matter etc. before recharging as per the CGWA guidelines. Run-off from areas other than roof top such as green areas and roads/pavement etc. may also be recharged but only after providing adequate treatment to remove suspended matter, oil & grease etc. and ensuring that rainwater being recharged from these areas is not contaminated with pesticides, insecticides, chemical fertilizer etc.

(xvii) The project proponent should fence the storage tank properly and in addition to this, the boundary wall shall be constructed at last stage or atleast 2 feet high opening in the boundary wall be provided at ground level to allow adequate passage to the surface run off during construction phase.

(xviii) Green belt of adequate width as proposed shall be provided so as to achieve attenuation factor conforming to the day & night standards prescribed for residential land use. The open spaces inside the plot should be suitably landscaped and covered with vegetation of indigenous species/variety. A minimum of one tree for every 80 sqm of land shall be planted and maintained. The existing trees may be counted for this purpose. Preference should be given to planting native species. Where the trees need to be cut, compensatory plantation in the ratio of 1:3 (i.e. planting of three trees for every one tree that is cut) shall be done with the obligation to continue maintenance.

III. Operation Phase and 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) The total water requirement for the project will be 95 KLD including 09 KLD for green area, out of which 57 KLD (fresh water) shall be met through borewell (ground water supply) and remaining 38 KLD through recycling of treated wastewater.

iii) a) The total wastewater generation from the project will be 69 KLD, which will be treated in a STP of capacity 110 KLD installed within project site. As proposed, reuse of treated wastewater and discharge of surplus treated wastewater shall be as below:

Season	Reuse for flushing (KLD)	For irrigation purposes (KLD) in an area on 1591	Discharge M.C Sewer	Total quantity of waste water

		sqm		generation
Summer	29	09	31	69
Winter	29	03	37	69
Rainy	29	1	39	69

b)) Storage tank of adequate capacity shall be provided for the storage of treated wastewater and all efforts shall be made to supply the same for construction purposes. Only, the surplus treated wastewater shall be discharged into sewer after maintaining the proper record.

iv) The project proponent shall ensure safe drinking water supply to the habitants.

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

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

vii) Rainwater harvesting/recharging systems (02 nos recharging pits) shall be operated and maintained properly as per CGWA guidelines.

viii) The facilities provided for collection, segregation, handling, on site storage & processing of solid waste such as chute system, wet & dry bins, collection centre & mechanical composter etc. shall be properly maintained. The collected solid waste shall be segregated at site. The recyclable solid waste shall be sold out to the authorized vendors for which a written tie-up must be done with the authorized recyclers. Organic waste shall be composted by mechanical composters with a minimum capacity of 0.3kg/tenement/day and the inert solid waste shall be sent to the concerned collection centre of integrated municipal solid waste management facility of the area. A proper record in this regard shall be maintained.

ix) Hazardous waste/E-waste should be disposed off as per Rules applicable and with the necessary approval of the Punjab Pollution Control Board.

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

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

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

xiii) Solar power plant and other solar energy related equipment shall be operated and maintained properly.

xiv) A report on the energy conservation measures conforming to energy conservation norms should be prepared incorporating details about machinery of air conditioning, lifts, lighting, building materials, R & U Factors etc. and submitted to the respective Regional office of MoEF, the Zonal Office of CPCB and the SPCB/SEIAA in three months time.

PART B – General Conditions :

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 borewell(s) and shall not abstract any groundwater without prior written permission of the CGWA, even if any borewell(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. 62.5 Lacs towards capital investment, Rs. 7.0 Lacs towards recurring including monitoring expenditure and Rs. 20 Lacs towards CER 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/residents society under proper MOU under intimation to SEIAA, Punjab. The project proponent shall spend

minimum amount of Rs. 10 Lacs towards recurring including monitoring expenditure as proposed in the EMP.

b) The project proponent shall adhere to the commitments made in the proposal for CER activities and shall spend a minimum amount of Rs. 20 lacs towards the following CER activities:-

a) Rs 5.0 Lacs for providing toilets at Sr. Secondary School Souudu Maqsood, District Nawasaher (Activity to be done within 6 months)
b) Rs 5.0 Lacs for providing tree plantation on 200 ft master plan road of Mohali-Zirakpur towards Zirakpur (Activity to be started in the monsoon seasons)
c) Rs 10.0 Lacs for cleaning of ponds in village chaat and Bhankarapur (Activity will be done in year 2020)

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) 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.

(vi) 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.

(vii) 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.

(viii) A proper record showing compliance of all the conditions of environmental clearance shall be maintained and made available at site at all the times.

(ix) 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.

(x) 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.

(xi) 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.

(xii) Environmental clearance is subject to final order of the Hon'ble Supreme Court of India in the matter of Goa Foundation Vs. Union of India in Writ Petition (Civil) No. 460 of 2004 as may be applicable to this project and decisions of any Competent Court, to the extent applicable.

(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.

The case is placed before the SEIAA for consideration.

Item No.134.17: Application for amendment in the environmental clearance granted under EIA notification dated 14.09.2006 for the manufacturing of MS Billet @ 360 TPD (Secondary Metallurgical Processing) by installing 3 sets of 15 TPH capacity Induction Furnaces within the existing premises located at Talwara Road, Mandi Gobindgarh, District Fatehgarh Sahib by M/s Fortune Metals Ltd. (Proposal no. SIA/PB/IND/26211/2016)

The facts of the case are as under:-

M/s Fortune Metals Ltd. has submitted application for amendment in the environmental clearance granted under EIA notification dated 14.09.2006 for induction furnace size from 3 sets of 15 TPH capacity to 1 set of 30 TPH capacity without any change in the overall production capacity i.e. 360 TPD of MS billet production within the existing premises located at Talwara Road, Mandi Gobindgarh, District Fatehgarh Sahib. The project proponent has submitted Form-I, an undertaking of M/s Electrotherm India Ltd. and a copy of the environmental clearance granted alongwith application.

M/s Electrotherm India Ltd, has certified in its undertaking that the power/energy consumption per ton of 30 MT capacity Induction Furnaces is less as compared to the power/energy consumption per ton of 15 MT capacity Induction Furnaces. The following chart depicts the figures of the power/energy consumed by 15 MT and 30 MT Induction Furnace: -

Sr. No.	Particulars	Power supply required	Production per day	Power consumed per day	Power consumed per ton
1.	15 MT Induction Furnace (2 sets)	6MWx2 Sets	380 MT	224200 KWH	590 KWH/ton
2.	30 MT Induction Furnace	14 MW x 1 Set	475 MT	261250 KWH	550 KWH/ton

(Note: Figures shown in above table are subject to conditions of raw material, scrap, melting practices, infrastructure, working hours etc.)

The case was considered by SEAC in the 168th meeting held on 22.06.2018 and the same was attended by the following on behalf of project proponent:

(i) Sh. Gaurav Sharma, Secretary of the promoter company.

(ii) Sh. Yashpal Jain, Technical Director of M/s Enviro Infra solutions Pvt. Ltd., Environment consultant of the promoter company.

Environment consultant of the promoter company presented the facts of the case as under:-

- M/s Fortune Metals Ltd. is an existing industry involved in the production of 280 TPD TMT bars at Talwara Road, Mandi Gobindgarh, District Fatehgarh Sahib, Punjab. The promoters of the industry are in the process of setting up of 360 TPD secondary metallurgical processing unit within the existing premises located at Talwara Road, Mandi Gobindgarh, District Fatehgarh Sahib, Punjab for which Environmental Clearance vide No. J-11011 /58/2015-IA II (I) dated 10/06/2016 has been obtained from MoEF&CC, New Delhi. The details of the proposal for which environmental clearance granted are as under:-

- The proposal is for production of 360 TPD (0.118 Millions TPA) of MS Billets by setting up of 3 sets of Induction Furnaces of 15 TPH each within the premises of existing steel rolling mill of the company (280 TPD TMT bars capacity).
- The detail of products with capacities of existing and proposed project is given below:-

S. No.	Product	Unit	Production
1.	TMT Bars (Existing)	MT/day	280
2.	MS Billets (Proposed)	MT/day	360
3.	Iron Slag (By Product)	MT/day	10

- The industry is having 4.7 acres (1.90ha) of land in the existing premises of Fortune Metals Ltd. Land falls under Industrial zone as per the Master Plan of Mandi Gobindgarh. The proponent has informed that in the court matter pertaining to land, the Hon'ble High Court of Punjab and Haryana maintained status quo. Out of the 1.9ha of land, an area of 0.4ha is for rolling mill, 0.3ha for installation of Induction Furnace, 0.2 ha for common utilities, 0.05ha for office, canteen etc., 0.2ha for roads, 0.55ha for storage of raw materials and products and 0.2ha No forestland involved. The entire land has been acquired.

- The targeted production capacity of the MS Billets production is 0.118 million TPA. The raw material for the billets is iron scrap which will be sourced from local scrap dealers.

S. No.	Item	Unit	Quantity
1.	MS Scrap	MT/day	375
2.	Alloys such as Silicon, Silicon Manganese and Aluminum	MT/day	5

- The water requirement of the project is estimated as 73 m^3/day, which will be sourced from the existing tubewell of the factory in the existing premises.
- 25 persons/shift will be the total expected manpower and 330 days will be the number of operation days of the unit
- The power requirement of the project is estimated as 25 MW. It will be supplied by PSPCL to the industry through their grid.
- The proponent mentioned that a total of 10 TPD of solid waste in the form of iron slag as bye product will be generated due to the project, which will be sold to cement plants to be used in cement kilns.
- It has been envisaged that 20% of the project area will be developed as green belt around the project site to attenuate the noise levels and trap the dust generated due to the project development activities.
- The Public hearing of the project was held on 15.09.2015 under the chairmanship of Additional Deputy Commissioner, District Fatehgarh Sahib, Punjab. The issues raised during public hearing are ownership of the land, pollution load, employment to the local residents etc.
- The capital cost of the project is Rs. 54.30 crores and the capital cost for environmental protection measures is proposed as Rs 1.76 crores. The annual recurring cost towards the environmental protection measures is proposed as Rs 1.82 crores.
- After obtaining environmental clearance and while setting up of the project, the suppliers of the furnaces (M/s Electrotherm India Ltd) advised for 1 set of 30 TPH capacity furnace instead of 3 x 15 TPH Induction furnaces as per the environmental clearance due to 30 TPH furnace consumes less power than 15

TPH furnace. About 40 KW per MT of product energy will be saved by operation of 30 TPH furnace in comparison with 15 TPH capacity.

- The project proponent has requested to recommend the case to SEIAA to allow amendment in the environmental clearance granted under EIA Notification, 14.09.2006 for induction furnace size from 3 sets of 15 TPH capacity to 1 set of 30 TPH capacity without any change in the overall production capacity i.e. 360 TPD of MS billet production based on the above facts.

After detailed deliberations, SEAC decided to accept the request of the project proponent and recommended to SEIAA to allow amendment in the environmental clearance granted under EIA Notification, 14.09.2006 for induction furnace size from 3 sets of 15 TPH capacity to 1 set of 30 TPH capacity without any change in the overall production capacity i.e. 360 TPD of MS billet production with following additional conditions: -

1) The project proponent shall obtain permission from the CGWA for abstraction of groundwater & digging of borewell(s) and shall not abstract any groundwater without prior written permission of the CGWA, even if any borewell(s) exist at site

2) Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Parking should be fully internalized and no public space should be utilized. Areas within the premises meant for the movement of vehicles and around the weigh bridge should be paved.

3) Treated waste water will be used for green belt development and cooling purpose as make up water.
4) Air Pollution Control Devices proposed for induction furnace of 30 TPH capacity should be equipped with well-designed side suction hoods and proper ducting system.
5) The project proponent shall use APCD dust & slag for recovery of Iron/zinc/lead.

6) Ground water monitoring should be done for heavy metals in addition to routine parameters.

7) Green belt around the boundary alongside the roads used for the project should be properly maintained.

Item No.134.18: 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 facts of the case are as under:-

Earlier, M/s DAV College Trust & Management Society, New Delhi had applied for obtaining environmental clearance under EIA notification dated 14.09.2006 for establishment of Educational Institutional Complex "Expansion of the Existing Institute " at Village Sarmastpur, Jalandhar- Pathankot Highway, Jalandhar i.e. having total plot area of the project as 2, 19,580.70 sqm in which the construction will be made having total built up area of 2, 19,359.922 sqm.

The case was considered by the SEAC in its 126th meeting held on 21.08.2015, which was attended by Sh. H.R. Gandhar, Advisor of the University. He informed that their consultant is out of station, hence they are unable to present their case and requested for another opportunity for the same. He also submitted a letter wherein it has been mentioned that the environmental clearance be granted to them after excluding the khasra nos. 193 and 432, which was taken on record. He further informed that they have applied to the Forest Department for obtaining necessary permission for using forest land as approach to the project under (Forest Conservation) Act, 1980.

The SEAC while acceding to the request of the project proponent for deferment of the case observed that the project proponent is also required to submit NOC from concerned DFO or copy of acknowledgement along with copy of complete application submitted online to DFO for obtaining forest clearance under Forest (Conservation) Act, 1980. The observations were conveyed to the project proponent vide letter number 2713 dated 28.06.2016.

Thereafter, the case was considered by the SEAC in its 145th meeting held on 11.05.2016 wherein the project proponent submitted written request for withdrawal of its existing application for obtaining environmental clearance. The contents of request letter are as under:

1. The University had applied for obtaining Environmental clearance in which the proposed built up area was approx. 2, 21,000 sqm.
2. Due to changes in the Planning of the University, the total built up area would now be approx. 1, 68,000 sqm, out of which, construction has been done on apx. 99,000 sqm and remaining area is purely undisputed area. Thus, they want to withdraw the previous application, and want to apply afresh at the earliest for obtaining the Environmental clearance.

After deliberation, the SEAC decided to recommend to SEIAA to allow the project proponent to withdraw his present application.

Thereafter, the case was considered by the SEIAA in its 108th meeting held on 03.06.2016 wherein, the SEIAA decided to accept the recommendations of SEAC and allowed the project proponent to withdraw its existing application for obtaining environmental clearance under EIA notification, 2006 for developing DAV University in the revenue estate of village Sarmastpur, Jalandha-Pathankot Highway, Jalandhar subject to a special condition that the project proponent shall submit revised Environmental Clearance application online.

The project proponent had filed a fresh application for issuance of TOR under EIA notification, 2006.The project is covered under category 8 (b) of the Schedule appended to the said notification.

The case was considered by the SEAC in its 151st meeting held on 24.10.2016, but no one attended the meeting from the promoter company. The SEAC observed that Sh. Gautam Bhalla, Estate Officer, DAV university, Jalandhar vide its letter dated 24.10.2016 received through email dated 24.10.2016 has informed that their consultant who is supposed to present the case before the SEAC members is not well and requested for deferment of the case.

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 and to ask the project proponent to attend the meeting as and when held.

The Environmental Engineer, PPCB, RO, Jalandhar was requested vide email dated 14.10.2016 to visit the site & send the latest construction status of the proposed expansion site. The Environmental Engineer vide its letter no.1003 dated

20.10.2016 has reported that the site was visited by the AEE on 20.10.2016 and observed as under: -

(a) The site of the institute falls on right hand side of Jalandhar to Pathankot Road at Village Sarmastpur, Jalandhar.

(b) The institute has obtained CLU vide letter no. 432 dated 14.07.2010 from CTP, Punjab & hence site is suitable.

(c) The institute is having existing built-up area of 86360.86 m2 & proposed built up area of 67180.176 m2 as per project report submitted by the institute.

(d) The proposed construction has not been started at site as yet. At present, no construction activity is in process except construction of stage at ground floor (uncovered) for holding functions.

(e) The institute has installed STP to treat domestic effluent generated within premises which was in operation during visit.

(f) The effluent sample from final outlet of STP was collected by this office on 20.09.2016 and as per sample analysis report, pH 7.3, COD 218 mg/l, BOD 52 mg/l, TSS 154 mg/l, TDS 724 mg/l & Oil & grease 6 mg/l. As per analysis results, all the parameters area within the prescribed limits of the Board.

(g) The treated water is discharged onto land for plantation (3.5 acres) provided inside the premises.

The case was considered by SEAC in its 152nd meeting held on 28.10.2016, which was attended by the following on behalf of project proponent:

(i) Sh. Gautam Bhalla, Estate Officer of the promoter University.

(ii) Ms. Ramanpreet Kaur, Environmental Consultant of M/s Yes Enviro Solutions, Noida on behalf of the promoter company

Before allowing the project proponent to present the case, the SEAC was apprised that the project proponent has carried out construction in violation of EIA notification 2006 which is part of present application. However, credible action has already been initiated and the complaint u/s 15, 16 read with section 19 of Environment (Protection) Act, 1986 against the project proponent and its responsible persons has been filed through Senior Law Officer of the Board in the Hon'ble Court of CJM, Jalandhar on 18.06.2015.

The SEAC allowed the Environmental Consultant to present the salient features of the project. The Environmental Consultant presented the case as under: -

- The total land area of the project is 219,582.43sqm and the total built up area will be 153541.036 sqm after expansion i.e. {86360.86 sqm (existing) +67180.176sqm (proposed)}. The total cost of the project is 140.05 crores.
- The project comprises of Academic Block, Administration Block, Administration Block-01, Administration Block-02, Auditorium Block, Girl's Hostel & Boy's Hostel and total population will be 9000 persons including visitors. The expansion is to be done in auditorium block, girl's hostel & boy's hostel.
- The project is expansion of existing institute at Village Sarmastpur, Jalandhar-Pathankot Highway, Jalandhar.
- The institute has been granted permission for change of land use for an area measuring 54.26 acres in Village Sarmastpur, Sub-Tehsil Kartarpur, District Jalandhar vide memo no. 5363 dated 14.07.2010 by the CTP, Punjab.
- This piece of land is just 3 K.M. away from the Municipal limit on Jalandhar-Pathankot Road As per Master Plan & Zoning Position of this land, the land can be used for establishing educational institutes.
- The total population estimated in the institute will be 2500 as residential & 5500 as floating.
- Adequate parking provision (600 ECS - open, stilt, basement) will be kept for parking of vehicle but the parking required is 322 ECS.
- The total water requirements for the project will be 800 KL/day including total fresh water requirement of 400 KLD which will be met through borewell.
- The total waste water generation will be 420 m3/day and the reuse potential will be 480 m3/day.
- The total quantity of solid waste to be generated from the proposed project has been estimated as 1500 Kg/Day.
- Total power requirement for the project will be 2000 KW which will be provided by PSPCL.
- The project activities & significant environmental concerns are as under: -

Activities of concern	**Significant environmental interaction /attributes**
Land alteration/ regime modification	

• Land already acquired(existing facility) • No additional land required • Land use in conformation of Master Plan • Secondary development in surroundings	• Change in Land use pattern • Alteration in natural drainage pattern • Geological alterations • Secondary Development • Existing ecology & habitat
Land Transformation & construction	
• Site Preparation • On site construction activities- in sub structure & super structure • Machinery & equipment deployment • Handling of construction material	• Pollution due to operation of machinery/equipment • Pollution due to maintenance of machinery & equipment • Pollution due to on site/off site construction activities • Top soil management • Management of existing green area • Effect of construction activities on existing setup & its day to day activities • Haulage of construction material & on-site vehicular movement
Resource extraction and consumption / renewal	
• Material and energy sourcing during construction phase • Material and energy sourcing during operation phase • Water required during construction and operation phase	• Resource requirement during construction phase- • renewable/non-renewable and natural/man-made • Resource requirement during operation phase - renewable/non-renewable and natural/man-made • Resource optimization • Minimizing embodies energy content
Resource extraction and consumption / renewal	
• Material and energy sourcing during construction phase • Material and energy sourcing during operation phase • Water required during construction and operation phase	• Resource requirement during construction phase- • renewable/non-renewable and natural/man-made • Resource requirement during operation phase - renewable/non-renewable and natural/man-made • Resource optimization • Minimizing embodies energy content
Demographic changes	
• Temporary/permanent movement of population during construction phase • Temporary/permanent movement of population during operation phase • Transportation requirements • Requirements of public/civic amenities	• Alteration in settlement patterns • Alteration in traffic movement • Socio-economic activities due to the proposed project
Waste treatment and emplacement	

• Waste generation during construction phase • Waste generation during operation phase	• Waste minimization • Construction/demolition waste management • Treatment and disposal of wastes

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

The SEAC observed that activities identified by the project proponent during various stages are not complete and some issues are required to be included in EIA report: -

a. The study area of 10 kms & the core area of 1 km /500 mtrs should be taken from the periphery of the site & not from the centre of the site.

b. Water requirement /supply, energy requirements/ supply, waste generation/ management of the same are the activities which are required to be incorporated in EIA report.

c. In EMP, all the impacts due to activities will be taken care off.

d. EIA should include all the activities, impacts & mitigation measures.

e. E-waste management should be included in activity.

The project proponent agreed to the observations of the SEAC and requested for issuance of TOR.

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

The case was placed in the agenda of the 117th meeting of SEIAA held on 10.11.2016, but no one from the project proponent attended the said meeting.

After deliberation, the SEIAA 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.

As decided, the project proponent has been asked telephonically 18.11.2016 to attend the meeting of SEIAA on 23.11.2016.

The case was considered by SEIAA in its 118th meeting held on 23.11.2016, which was attended by Sh. Gautam Bhalla, Estate Officer on behalf of project proponent. He informed that a legal case regarding dispute of the land is going on in the Hon'ble Punjab & Haryana High Court, Chandigarh. The petitioner is likely to file an affidavit regarding withdrawal of the case before the Hon'ble High Court in next

week. The Hon'ble High Court ordered on 15.01.2013 that private respondents shall maintain status quo with respect to constructions till further orders. He further requested to issue Terms of Reference for the study to be carried out for obtaining Environment Clearance.

After detailed deliberations, the SEIAA decided that the case be deferred till next meeting.

The case was considered by SEIAA in its 119th meeting held on 04.01.2017, which was attended by Sh. Gautam Bhalla, Estate Officer on behalf of project proponent. He informed that an affidavit regarding withdrawal of the case before the Hon'ble High Court in next week is yet to be filed. He further informed that study for the EIA report has already been started after advance intimation to the SEIAA/SEAC. He requested to issue Terms of Reference for the study to be carried out for obtaining Environment Clearance.

After detailed deliberations, the SEIAA decided that the case be deferred till the project proponent submitted 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.

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.

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. 843 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 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	Online current status
SIA/PB/NCP /17259/2016	SEIAA/PB/AD/TOR /2016/33	DAV University	20 Oct 2016	Deferred by SEIAA

The project proponent has not submitted reply in reference to letter no. 57 dated 23.01.2017 to the SEIAA till date.

The case was considered by SEAC in its 166th meeting held on 24.05.2018 wherein 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.

In compliance to the aforesaid decision of SEAC, the project proponent was requested vide letter no 739 dated 12.06.2018 to present in the next meeting of SEAC.

The case was considered by SEAC in 168th meeting held on 22.06.2018, and same was attended by Sh. Gautam Bhalla, Estate Officer of the promoter University on behalf of project proponent.

The project proponent informed that they have dropped the expansion project and the existing premises is adequate to meet with the requirements. He submitted a written representation to the SEAC as under: -

1. That the MoEF&CC vide their notification no. S.O (E) 3252 dated 22nd December, 2014 have exempted Educational Institutions from obtaining Environment Clearance whose built-up area is less than 1,50,000 sqm. Since the total built-up area of DAV University is only 86,360.86 sqm. Hence, the same falls within the exempted limit hence there is no requirement for DAV University, Jalandhar to obtain Environment Clearance under EIA Notification, 2006 as per the above stated notification.
2. That the University has a total of Five Blocks at its premises at Jalandhar i.e. Admin Block, Girls Hostel (North Block), Auditorium & Research Block, Academic Block-I and Academic Block-II whose total built up area is only 86,360.86 sqm.
3. That since the university had plans to expand its premises beyond 150,000 Sqm hence the University had applied earlier for Environmental Clearance for the total built-up area including existing (86,360.86 sqm) and proposed planning (79,000 sqm. But now due to the fact that the existing premises are more than sufficient for the present strength of students hence the University has decided not to go for any further expansion and the expansion plans have been put on hold.
4. That as and when the DAV College Trust & Management Society / DAV College Managing Committee, New Delhi and DAV University, Jalandhar propose to expand their premises at DAV University Jalandhar beyond the exempted limit of 1,50,000 sqm in future, then the University would abide to all the Government Rules & Regulations. The said construction would commence only after obtaining the necessary permission.
5. That the Building Plans of Girls Hostel & Auditorium Block are duly approved by competent authority.
6. The copy of the Site Plan with Building-wise Area details has already been submitted
7. The CLU of 54. 66 Acre land was done before the construction.

So in the view of above submissions since DAV university has not violated any norms of Central Pollution Control Board or State Pollution Control Board, they would like to withdraw their application submitted for "TOR" to "SEIAA", because they do not come under the purview of EIA Notification, 14.09.2006.

So it is humbly requested to kindly permit withdrawal of their application for Environmental Clearance and this kind gesture of esteem Committee will give them the strength to fulfil their obligations and commitment towards the society in providing higher education with socialistic and scientific approach.

After detailed deliberations, the SEAC decided to recommend to SEIAA to accede the request made by the project proponent for withdrawal of his application.

The case is placed before the SEIAA for consideration.

Item No.134.19: Application for issuance of TORs for carrying out EIA study for obtaining Environmental clearance under EIA notification dated 14.09.2006 for the establishment of 100 MT/Day Formaldehyde Plant at Plot No. C-18, Focal Point, Mandi Gobindgarh, District Fatehgarh Sahib by M/S Bansal Chemicals Industries (Proposal no SIA/PB/IND2/21055/ 2018)

The facts of the case are as under: -

The project proponent has applied online on 08/01/2018 for issuance of TOR under EIA notification, 2006 for the establishment of 100 MT/Day Formaldehyde Plant at Plot No. C-18, Focal Point, Mandi Gobindgarh, District Fatehgarh Sahib. The project is covered under Category 5(f), of Schedule of the Notification – read as "Synthetic organic chemicals industry (dyes & dye intermediates; bulk drugs and intermediates excluding drug formulations; synthetic rubbers; basic organic chemicals, other synthetic organic chemicals and chemical intermediates" of the Schedule appended to the said notification. The details of the project as given in form 1 and other documents are as under: -

- The Partners of the company are Sh. Satpal Bansal & Sh. Bhupinder Bansal.
- The proposed production capacity of formaldehyde is 100 MT/Day. The estimated project cost is about 432.74 Lakhs.
- The list of raw materials required for manufacturing of aforesaid product is as under:-

Sr. No	Raw Material	Quantity used Kg / Tons HCHO
1.	Methanol	460
2.	Water (D.M water)	500
3.	Air	900

- Formaldehyde is the oxidation/dehydrogenation product of methanol with oxygen in the presence of Silver catalyst. Finished products specification (Per Ton of Formaldehyde) are as under: -
    - Formaldehyde: 37%-45%± 0.25%
    - Methanol content :1.0 %-3.0 %
    - Acidity: 0.01% Max (normally below 0.005%)
    - pH: 3.5-4.0
    - Iron: 2.0 PPM Max
    - Ash: 0.01 % max

The plant and machinery being proposed to be used in the complex is given below:

Item No	Material Of Construction / Specification	Quantity
Heat Exchanger	Plate Type	5
Root Blower	Alloy Steel Cast	1
Pumps	Of various sizes for process	6
Pipelines	SS304 and MS Of Different Sizes	As per requirement
Valves	SS/MS Of Different Sizes	As per requirement
Rotameter	Metallic/Glass Tube Type	As per requirement
Filters	For Methanol, Methanol/water Mix	4
Gaugaes	SS/MS temperature gauges	As per requirement
Structured packing+ packing rings Air	Str. Pkg+ PP rings for Absorption column & washer	As per requirement
Electricals	Electrical cables ,Motors etc	As per requirement
Hardware Items	Steam Traps, Copper wire Netting, packing Gaskets, nuts, Bolts, washers etc	As per requirement
Baby Boiler	600 Kg capacity on and at 100 ^{o} C(vertical)	1
Cooling tower	FRP/wooden forced draft	1
Laboratory	Suitable for testing of Formaldehyde Methanol as per standard	As per requirement
Water treatment Plant	For softener and RO water	1

- **Water management**

Source of water supply

About 75 KLD of Ground Water by tubewell and the rest will be sourced from PSIEC. Process water is 100 % reused within the process. The complex is zero discharge complex from process. Consumption & discharge is given below:

Use	Water Consumption per day KLD	Loss / waste - water generation KLD
D.M. Water Production	55	5
Formaldehyde Process	50	10
Cooling Water (Make Up Water)	15	2
Boiler	5	1
Domestic Water requirement	1	0.80
Flushing Water Requirement	1	1
Water requirement in Green Area	1.2	NIL

- **LIQUID WASTE**

  Proposed unit shall be a zero discharge unit.

- **PROCESS WASTE**

As per present scheme, no process waste will be generated, if in case generated shall be stored and disposed off at Treatment Storage and Disposal Facility (TSDF) approved by Pollution Control Board at Nimbuan, Derabassi, Distt Mohali.

- **HAZARDOUS WASTE**

  Used oil from machineries/D.G. Set will be carefully stored in HDPE drums in isolated covered facility. The used oil will be sold to vendors authorized by Central Pollution Control Board for the treatment of the same. Suitable care will be taken so that spills / leaks of used oil from storage could be avoided.

- **AIR EMISSION & CONTROL**

  All the exhaust gas emissions will be channelized all through the process and will be reused for various purposes like heating & remaining chemical utilization. At the end, the remaining gas will be exhausted through a chimney. Emissions from production processes will contain exhaust gasses which shall contain only Nitrogen, Hydrogen, Carbon dioxide, Carbon Monoxide, VOC and traces of Formaldehyde and Methanol. To control the air emissions from D.G. Set, stack height of 4.0 m shall be provided above the roof level of D.G. Set. Multi fuel boiler shall be installed for heating load of the plant, this shall be based on biomass combustion from local areas and waste wood chips of the plant.

- **Power Requirement and Source**

  Total Power Requirement of the plant is 160 KW which will be sourced from Punjab State Power Corporation Limited. 152 KVA of DG Set has been proposed.

- The standard TORs i.e. TORs prescribed by MoEF & CC for category 5 (f) of the Schedule of EIA notification i.e. category - Synthetic organic chemicals industry (dyes & dye intermediates; bulk drugs and intermediates excluding drug formulations; synthetic rubbers; basic organic chemicals, other synthetic organic chemicals and chemical intermediates have been proposed by the project proponent**.**

The details of the document submitted with the application are as under:-

1.	Properly filled form 1 & Pre-feasibility report	Yes
2.	Proof of ownership of land	Submitted
3.	Layout Plan	Submitted
4.	List of accredited EIA consultant organization with accredited sector of NABET	Submitted

Environmental Engineer, PPCB, RO, Fatehgarh Sahib was requested vide email dated 07.02.2018 to send the latest construction status of the project site. Accordingly, the RO, Fatehgarh vide return email dated 13.02.2018 has intimated that that M/ s Bansal Chemical Industries had earlier applied for obtaining regulatory approval and fiscal incentives to Punjab Bureau of Investment and Promotion (PBIP), Chandigarh for establishment of new unit at Plot No. B-12, Industrial Focal Point, Mandi Gobindgarh, Distt. Fatehgarh Sahib for the manufacturing of Formaldehyde @ 100 T/day by using methanol and water as raw material. The comments were sent to PBIP vide this office letter no. 959 dated 6/6/2017.

Further, as per the application of the project proponent received through email on 7/2/2018, the industry has proposed to install the same unit as mentioned above at Plot no. C-18, Focal Point, Mandi Gobindgarh. The site of the proposed industry was visited by the AEE of this office on 9/2/2018 to check the status. During the visit, it was observed that the site is located in the industrial focal point, Mandi Gobindgarh and earlier there was foundry unit running at this site with the name of M/s Nal Neel Castings, which is lying closed as per inventory of this office. The main gate of the premises was found locked and one old cupola furnace was found standing inside the premises. There were lot of shrubs observed in the premises and the physical condition indicated that the industry is lying closed since long time.

The case was considered by the SEAC in its 162nd meeting held on 15.02.2018, however, no one from the project proponent side attended the meeting.

The Committee, in compliance to the office memorandum dated 25.02.2010 of the MoEF, decided to defer the case. Accordingly, the project proponent has been requested vide letter no. 301 dated 01.03.2018 to attend the next meeting of SEAC as and when scheduled.

The case was considered by the SEAC in its 163rd meeting held on 13.03.2018, however, no one from the project proponent side attended the meeting.

After detailed deliberations, SEAC decided to defer the case and in light of the Office Memorandum dated 30.10.2012 of the Ministry of Environment & Forests, Govt. of India, to issue notice to the project proponent for delisting the case.

In compliance to the aforesaid decision, the project proponent was issued notice for delisting the case vide letter no. 411 dated 27.03.2018 and again 597 dated 08.05.2018 wherein last opportunity was given to reply to the notice in writing within 15 days. But, no reply was received from project proponent to this office so far.

The case was considered by the SEAC in its 168th meeting held on 22.06.2018. But, no one from the project proponent side has attended the meeting. The SEAC was apprised that the project proponent has submitted online application on 08/01/2018 for issuance of TOR under EIA notification, 2006. The project proponent was issued notice for delisting the case vide letter no. 411 dated 27.03.2018 and again 597 dated 08.05.2018 wherein last opportunity was given to the project proponent to reply to the notice in writing within 15 days. No reply has been received from project proponent to this office so far. However, the online status of the case is as under:-

Proposal No	File No	Project Name	Date of Submission for EC	Online current status
SIA/PB/IND2 /21055/2017	SEIAA/PB/IND2 /TOR/2018/3	Formaldehyde Manufacturing Unit (100 MT/day) by Bansal Chemical Industries submitted by M/s BANSAL CHEMICAL INDUSTRIES	08 Jan 2018	Pending with SEAC

The SEAC observed that project proponent has neither attended the meeting nor submitted any reply to the notice and case is lying pending with SEAC. After deliberations, in compliance to the OM dated 30.10.2012, the SEAC decided that the case be recommended to SEIAA for delisting.

The case is placed before the SEIAA for consideration.

Item No.134.20: Application for obtaining environmental clearance under EIA notification dated 14.09.2006 for the establishment of residential apartment complex project namely "Palace Enclave" at Village Agwar Gujran, Tehsil Jagraon, District Ludhiana, Punjab by M/s Palace Infratech Pvt. Ltd. (Proposal no. SIA/PB/NCP/56377/2016)

The facts of the case are as under:-

M/s Palace Infratech Pvt. Ltd. had applied online for environmental clearance under EIA notification dated 14.09.2006 for the establishment of residential apartment complex project namely "Palace Enclave" at Village Agwar Gujran, Tehsil Jagraon, District Ludhiana, Punjab. The project is covered under category 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:

- The total plot area of the project is 17323 sqm (4.28 acres) and the total built up area of the Project is 31327 sqm. The Project comprises of Five Towers (244 units), shops and community centre.
- The total wastewater generation from the project will be 144 M^3/day, which will be treated in a STP to be installed at project site. In summer season, the project proponent has proposed to utilize 68 M^3/Day of treated wastewater for flushing purpose and 76 M^3/Day will be utilized for plantation area. In winter season, the project proponent has proposed to utilize 58 M^3/Day of treated wastewater for flushing purpose and 86 M^3/Day will be utilized for plantation area. In winter season, the project proponent has proposed to utilize 55 M^3/Day of treated wastewater for flushing purpose and 89 M^3/Day will be utilized for plantation area.
- The total quantity of solid waste generation will be 500 kg/day. Solid wastes generated will be segregated into biodegradable (waste vegetables, foods etc.) and Recyclable (papers, cartons, thermocol, plastics, glass etc.) components and collected in separate bins. The biodegradable organic wastes will be sent to dumping site of Municipal Council, Jagraon. Recyclable waste will be sold to authorized venders.
- The total load of electricity required for project will be 2000 KW which will be taken from the PSPCL. There is a proposal to install silent 2 DG Sets of capacity@ 1250 KVA as stand-by arrangement.

- The project proponent has also proposed to provide rain water harvesting through the ground water recharge (trench with recharge wells).
- Used oil to be generated from the DG sets will be stored in HDPE tanks and sold to the authorized recyclers.

The detail of the documents submitted with the application is 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)	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.	Copy of CLU submitted
4.	Layout plan duly approved by the Competent Authority/Conceptual plan of the project.	Approved 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.	Submitted
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;	i. Marked ii. Marked

	ii) Solid waste storage area. iii) Green belt iv) Parking space v) RWH and water recharge pits vi) Firefighting equipment layout vii) First aid room viii) Location of Tube-wells ix) DG Sets and Transformers x) Any other utilities	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	Submitted
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.	Submitted
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 Regional Office of Punjab Pollution Control Board. (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	Submitted but more than six months old. Accordingly, EDS was raised and the project proponent has replied as under: - "Originally, the application was submitted in Oct. 2015 for which the environmental monitoring was done at that time. The application was found to be incomplete and some observations were raised therein. Now, a fresh application has been submitted after addressing those observations suitably. Besides, there is not any change in local environmental conditions. Repeating the environmental monitoring will also involve some

	the Lab and should be attached with the water, air, noise & soil monitoring reports. (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. (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. (v) The noise monitoring is to be carried out from all the corners of the project site as well as from the centre of the project site and reports be attached accordingly.	cost. Therefore, we have retained the monitoring reports. It is requested that those monitoring report may be allowed with the application."
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.	Undertaking(s) for; a) Constitution of Environment Monitoring Cell b) Use of ready mix concrete or use of fly ash during construction. c) To provide Fire Fighting System d) To provide wind breaking curtains and water sprinkling system to minimize dust emissions during construction phase. e) To provide adequate safety measures for the construction workers during the construction phase.	Submitted
17.	Environmental Management Plan indicating the following: a) All mitigation measures for each item-wise activity to be undertaken during the construction, operation and the entire life cycle to minimize adverse	a) submitted

	environmental impacts as a result of the activities of the project. b) Compliance of various environmental regulations c) Steps to be taken in case of emergency such as accidents at the site including fire. 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. e) Capital & recurring cost for the EMP per year and the details of funds for the same. 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.	b) submitted c) submitted d) Environment Management Cell will be responsible for implementation of EMP for five years. e) Rs. 100 lacs will be incurred for implementation of EMP on account of capital cost and Rs.54 lacs per annum will be incurred on account of recurring charges. f) Not submitted
18.	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.	The project proponent has mentioned that Rs. 5 lacs will be spent on CSR activities which are given as under: - a) Civil Amenities b) Public hygiene and sanitation c) Support for educational and /academic activities d)Medical camps e) Community Education & Empowerment f) Plantation
19.	Traffic Circulation System and connectivity with a view to ensure adequate parking, conflict free movements, Energy efficient Public Transport.	Submitted
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	Not applicable

	Environment, Forests & Climate Change, Chandigarh.	
22.	Copy of presentation to be made before the SEAC at the time of appraisal in PDF format having size less than 25 MB.	-
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.	**For expansion projects:** i) All the columns in the application form may be got filled in three parallel columns i.e. Existing, Proposed and Total. ii) In case of increase in no. of storeys, Structural Safety/ Stability Certificate may be required from the Approved Engineer. iii) The existing building plan may be got super imposed with the proposed building plan and be marked in different colors. iv)Specify the adequacy of internal water supply system, sewer line and STP for the proposed expansion/revision.	Not Applicable
25.	Whether forest land involved or not?	Yes, 0.02374 ha is involved and the permission for getting NOC has been applied by the project proponent to the forest department.

Environmental Engineer, Punjab Pollution Control Board, Regional Office-3, Ludhiana was requested vide e-mail dated 23.06.2016 to visit the project site

and submit report regarding latest construction status. Environmental Engineer, Punjab Pollution Control Board, Regional Office-3, Ludhiana vide return email dated 29.06.2016 has intimated that the site was visited by the AEE on 29.06.2016 and observed as under: -

1. The said site is situated at Village Agwar Gujran on left side of Moga-Ludhiana road at Jagraon.
2. The area of site is about 6.25 acres and the project proponent has constructed boundary wall along the periphery of the site and has also constructed its office building at the site.
3. The project proponent has proposed construction of 05 nos. towers and has done excavation for foundation work for 02 towers. Also, the project proponent has started reinforcement work for the foundation for these 02 towers.
4. The project proponent has installed 01 concrete mixing plant at the site. However, the same was not in operation during visit.
5. No other construction activity was observed during visit.

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

i) Sh. O.P. Garg, Head- Civil of the Promoter Company.

ii) Sh. Vishal Duggal of M/s Shivalik Solid Waste Management Ltd. Environmental Consultant of the promoter company.

Sh. O.P. Garg submitted a copy of authorization letter wherein he has been authorized to attend the meeting of SEAC on behalf of Promoter Company on 30.06.2016 by the Director. Sh. Vishal Duggal, (FAE- Air Pollution) also submitted an authorization letter to present the project on behalf of Shivalik Solid Waste Management Ltd, the consulting company of the project proponent. The same were taken on record by the SEAC.

The SEAC observed that as per report of Regional Office, the construction has already been started at site. The SEAC asked the project proponent that why the construction status has not been mentioned in the application form. To this observation of SEAC, the project proponent replied that whatever little construction activity has been done at site was of earlier project which was not covered under EIA notification. But the project proponent could not produce any documentary evidence to prove his contention. He requested that he will submit the documentary evidence and sought some time to submit the same.

After detailed deliberations, the SEAC decided to defer the case and ask the project proponent to submit the documentary evidence in this regard before any further action in the matter can be taken.

Accordingly, the decision of the SEAC has been conveyed to the project proponent vide letter no. 2900 dated 14.07.2016. The project proponent has submitted the reply to the observation on 23.08.2016.

The case was considered by the SEAC in its 149th meeting held on 29.08.2016, which was attended by the following on behalf of the project proponent: -

i) Sh. O.P. Garg, Head- Civil of the Promoter Company.

ii) Sh. Vishal Duggal of M/s Shivalik Solid Waste Management Ltd. Environmental Consultant of the promoter company.

The SEAC perused the reply submitted by the project proponent and did not find it satisfactory. The project proponent also could not satisfy the committee that earlier the project was for two towers only. To this observation, the project proponent sought time for producing some more documentary evidence and requested for deferment of case.

After deliberations, the SEAC decided to defer the case till the project proponent submits reply to the aforesaid observations.

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 the all the pending cases be sent 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 cases. Accordingly, record file of the case was sent vide SEIAA letter no. 840 dated 05.05.2017 to the MoEF & CC and the project proponent was requested vide letter no. 853 dated 05.05.2017 to approach the MoEF & CC for further action on the pending EC application.

MoEF & CC vide its letter No. 21-373/2017-IA-III dated 22.01.2018 has transferred the record file of the case back to the SEIAA, Punjab for appraisal as the SEIAA & SEAC have been reconstituted vide Notification dated 08.11.2017 and the project is covered under category 'B' of item 8 (a) of building & construction projects of the schedule of the EIA Notification, 2006.

The matter was considered by the SEIAA in its 127th meeting held on 09.02.2018 and the SEIAA was apprised that online application of the case is lying

pending in the account of SEAC and MoEF & CC has sent back the office record files to SEIAA, Punjab.

After deliberations, the SEIAA decided that SEAC be requested to appraise the project and send recommendations to SEIAA.

The case was considered by the SEAC in its 163rd meeting held on 13.03.2018, however, no one from the project proponent side attended the meeting.

The SEAC was apprised that reply to the observations (ADS) has not been received from the project proponent. After deliberations, SEAC decided to defer the case and in light of the Office Memorandum dated 30.10.2012 of the Ministry of Environment & Forests, Govt. of India, to issue notice to the project proponent for delisting the case.

In compliance to the aforesaid decision, the project proponent was issued notice for delisting the case vide letter no. 413 dated 27.03.2018 and again 596 dated 08.05.2018 wherein last opportunity was given to reply to the notice in writing within 15 days. But, no reply was received from project proponent to this office so far.

The case was considered by the SEAC in its 168th meeting held on 22.06.2018. But, no one from the project proponent side has attended the meeting. The SEAC was apprised that the project proponent has submitted online application on 23/06/2016 for issuance of TOR under EIA notification, 2006. The project proponent was issued notice for delisting the case vide letter no. 413 dated 27.03.2018 and again 596 dated 08.05.2018 wherein last opportunity was given to the project proponent to reply to the notice in writing within 15 days. No reply has been received from project proponent to this office so far. However, the online status of the case is as under:-

Proposal No	File No	Project Name	Date of Submission for EC	Online current status
SIA/PB/NCP/ 56377/2016	SIA/PB/BLDG /EC/23/2016	Palace Enclave submitted by M/s Palace Infratech Pvt. Ltd	2-Jul-16	ADS by SEAC

The SEAC observed that project proponent has neither attended the meeting nor submitted any reply to the notice and case is lying pending with SEAC. After deliberations, in compliance to the OM dated 30.10.2012, the SEAC decided that the case be recommended to SEIAA for delisting.

Case is placed before the SEIAA for consideration.

Item No.134.21: 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 of induction furnaces in revenue estate of Village – Mangarh, Machhiwara Road, Kohara, Ludhiana-east District-Ludhiana, Punjab by M/s Renny Strips Pvt Ltd. (Furnace Division) (Proposal no SIA/PB/IND/27764/2018)

The facts of the case are as under:-

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 8 TPH with a Induction furnace of capacity 15TPH in Village – Mangarh, Machhiwara Road, Kohara, Ludhiana-east District-Ludhiana, Punjab. The project is covered under category 3 (a) – Secondary Metallurgical Industries (ferrous & non-ferrous) of the Schedule appended to the said notification. The project proponent has submitted form 1 and other requisite documents.

The case was considered by the SEAC in the 168th meeting held on 22.06.2018 and same was attended by the following on behalf of the project proponent:

(i) Sh. Rajat Jindal, General Manager of the promoter company.

(ii) Sh. Sumitava Dutta, FAE, M/s CPTL, Chandigarh, Environment consultant of the promoter company.

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

- The project proponent submitted that it is an existing unit and is in operation since May 2018. The installed capacity of unit is 81 TPD through induction Furnace of 8TPH capacity. The detail of the unit is as under:

YEAR OF ESTABLISHM	CAP. OF	POWER	TOTAL PRODUCTI	WHETHER COVERED UNDER EIA

2018 Renny Strips (P) Limited	8TPH	3990 KW	81TPD or 28500 TPA	The industry does not cover under EIA Notification, 14.09.2006 notification S.O. 3067(E) dated 01.12.2009 because the production capacity of the industry is <30,000

- The project proponent has proposed to increase the capacity of existing 8TPH Induction Furnace through amendment upto 15TPH Induction Furnace. After expansion, the installed production capacity of the industrial unit will be 64,800 T/Annum (180 T/day). The details are given in the tabulated form as under: -

S. No.	PARTICULARS	EXISTING	PROPOSED	TOTAL
A	**EXISTING & PROPOSED CAPACITY OF FURNACES & ROLLING MILLS**			
1	Induction Furnace	8 TPH (to be enhanced up-to 15TPH by amendment)	15 TPH	
B	**PRODUCTS**			
1	Steel Ingot (TPA)	28,500	36,300	64,800
C	**RAW MATERIAL**			
1	MS Scrap & Ferro Alloys (TPA)	29,920	41,360	71,280
D	**GENERALS**			
1	Project Cost (Crores)	Rs 7.44	Rs 2.56	Rs 10.0
2	Land (sqy)	3509	NIL	3509
3	Power (KW)	3990	1000	4990
4	Manpower (Nos.)	150	50	200
5	Working days	24 hrs 360 working days in year		

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

DESCRIPTION	EXISTING	PROPOSED	TOTAL
Domestic	6 KLD	3.0KLD	09.0KLD
Cooling (makeup water)	7.5 KLD	13.5KLD	21.0 KLD
Total	13.5KLD	16.5 KLD	30.0 KLD

- There are no Wild Life Sanctuaries, Reserved /Protected Forests or Defense Installations, Rivers and Hill Ranges within 10 Km of the project. It is about 16 Kms from Ludhiana Bus The total project cost of the unit after expansion will be Rs 10 Crores.
- The project has already 3509 Sqy. The industrial Land is registered in name of project proponent. The land is already use for industrial purposes. As per master plan of Ludhiana, its industrial Land. There will be no change in the land use. It is an expansion project no additional land is acquired
- There are no generation trade effluents from process. The waste water generated from domestic & cooling tower is being treated through Septic Tank and is being used for plantation within premises. After expansion, project proponent proposes to install STP for treatment of domestic effluent. The treated effluent will be re-using for cooling purposes.
- The hazardous wastes from the bag filters shall be stored in impervious pit and sent to TSDF site. The solid waste in the form of slag from the furnace, about 10 ton per day, received from the manufacturing process shall be in filling of Low lying area and in Road Making after recovery of metal.
- Hazardous waste generated (0.01 kl/annum) from DG sets in the form of used oil is being re-used as lubricants within the industry and dust after expansion (18 ton/annum) recovered by bag filter is also covered under hazardous waste & sent to TSDF (Madhav Alloys) site for final disposal.
- For Air Pollution Control Trauma Cyclone & Bag filters have been provided on Induction furnaces. Canopy has also provided on DG Set. As per the applicable statutory norms by SPCB, the SPM level in the gas emission, at discharge point, shall not exceed 150 mg/NM3. Additionally, the stack height requirements for discharge of process emissions are also to be complied with.
- Rs 75.0 Lacs towards Environment Protection will be spent.

- Development of social amenities will be in the form of medical facilities, education to underprivileged and creation of self- help groups. The details of 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 Ludhiana and distance of the project site from critically polluted area, the project proponent replied that the project falls under industrial zone as per the master plan of Ludhiana and the project site is located 7.1km away from critical polluted area. To another query of the SEAC regarding whether separate consent to operate has been obtained for M/s Renny Strips Pvt Ltd. (Furnace Division) & M/s Renny Strips Pvt. Ltd., the project proponent replied that both units have separate entity, separate electric connection, separate entrance & obtained separate Consent to Operate under water Act 1974, and Air Act, 1981. M/s Renny Strips Pvt Ltd. (Furnace Division) has obtained the Consent to Operate for operation of induction furnace of 8 tons/heat capacity to manufacture Steel Ingots @81 TPD which are valid upto 30.09.2022and M/s Renny Strips Pvt. Ltd. has obtained the varied Consent to Operate under Water Act, 1974 & Air Act, 1981 for induction furnace of capacity 6 TPH to manufacture steel ingots @72 TPD which are valid upto 30.06.2018.

Environmental Consultant of the Promoter industry requested to allow them to prepare EIA report by carrying out common monitoring in buffer zone in case of this industry & another industry namely M/s Renny Strips Pvt. Ltd., located in revenue estate of Village – Mangarh, Machhiwara Road, Kohara, Ludhiana-east District- Ludhiana, Punjab to whom TOR has been recommended in the 167th meeting of SEAC held on 26.05.2018 as the sites of both the industries fall within 500 m radius of each other. The SEAC accepted the request of Environmental Consultant and allowed them to carry out common monitoring in the buffer zone for the purpose of collecting base line data to prepare EIA report in case of these two industries. However, separate monitoring shall be carried out in the core zone of both the industrial projects.

The SEAC observed that the project proponent has provided adequate and satisfactory clarifications to the observations raised by it. 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 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 the proposed APCD i.e. Trauma Cyclone followed by Bag filters installed over induction furnace on the ambient air quality.

vii. Requirement of water (breakup for induction and other purposes) 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. 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

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

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

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

iv. Google map-Earth downloaded of the project site

v. Layout maps indicating existing unit as well as proposed unit indicating storage area, plant area, greenbelt area, utilities etc. I f located within an Industrial area/Estate/Complex, layout of Industrial Area indicating location of unit within the Industrial area/Estate.

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

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

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

ix. Geological features and Geo-hydrological status of the study area shall be included.

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

xi. Status of acquisition of land. lf 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, S02, NOX, CO and other parameters relevant to the project shall be collected. The monitoring stations shall be based CPCB guidelines and take into account

the pre dominant wind direction, population zone and sensitive receptors including reserved forests.

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

iv. Surface water quality of nearby River (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.0

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 Post Control Qty. 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, Distt., State, Industrial Estate (if applicable)

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

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

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

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

vi. Capital cost of the project, estimated time of completion

vii. Site selected for the project - Nature of land - Agricultural (single/double crop), barren, Govt./private land, status of is acquisition, nearby (in 2-3 km.) water body, population, 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

Specific TORs:

a) Environmental Consultant of the Promoter Industries namely M/s Renny Strips Pvt Ltd. (Furnace Division) & M/s Renny Strips Pvt Ltd." located in revenue estate of Village – Mangarh, Machhiwara Road, Kohara, Ludhiana-east District-Ludhiana, Punjab may carry out common monitoring in the buffer zone for the propose of collecting based line data to prepare EIA report in case of these two

industries. However, separate monitoring shall be carried out in the core zone of both industrial projects.

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.

Case is placed before the SEIAA for consideration.

Item No. 134.22: Application for obtaining environmental clearance under EIA notification dated 14.09.2006 for mining of minor minerals (Sand) from the off river bed (Paleochannel of river Satluj) in the revenue estate of village Ratangarh, Tehsil Ludhiana (E) District Ludhiana, Punjab submitted by Sh. TANVIR SINGH GANDHI (Proposal No. SIA/PB/MIN/74942/201)

The facts of the case are as under:-

The General Manager-cum-Mining Officer, District Industries Centre, Ludhiana was earlier granted environmental clearance under EIA notification dated 14.09.2006 by SEIAA, Punjab vide letter no. SEIAA//2017/664 dated 04.05.2017 for carrying out mining of minor minerals (Sand) @ 5,52,436 MT from the off river bed (Paleochannel of river Satluj) in total area of 13.76 hectare (Minable Area: 12.63 ha) having H.B. no. 19 bearing Khasra nos 6//24, 25, 7//19/2, 20, 21, 22, 17//1, 2, 7/1, 8/1, 9, 10, 12/1, 23/1/2, 18//5/1, 5/2, 6/1, 20//3/1, 3/2, 8/1, 8/2, 9, 10, 30//23, 31//24, 34//4, 5, 6, 7, 8, 13, 14, 15, 16, 35//1, 2, 9, 10, 11, 12, 13, 14, 17/2, 18, 19, 20 located in the revenue estate of village Ratangarh, Tehsil Ludhiana (E) District Ludhiana, Punjab, subject to the conditions including the condition no.(xix) & (xxii) of General Conditions which are reproduced as under:

(xix) The Mining Officer shall demarcate the mining lease area in the presence of revenue authorities and concerned Village Panchayat or their representatives

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

The General Manager-cum-Mining Officer, District Industries Centre, SAS Nagar vide memo no. 396-98 dated 22.03.2018 has requested to transfer the Environmental Clearance for the above noted mining site in the favour of Sh. Tanvir Singh Gandhi S/o Sh. Gurdip Singh, H.No. 212-E, Bhai Randhir Singh Nagar, Ludhiana upto the remaining period of environmental clearance and has submitted the following documents alongwith the request:

(i) Copy of letter no. 457-B dated 20.02.2018 issued by the Director Mining, Deptt. of Industries & Commerce, Punjab, Chandigarh to the Mining Officer, District Industries Centre, Ludhiana, wherein, it has mentioned that the bid of Sh. Tanvir Singh Gandhi S/o Sh. Gurdip Singh, H.No. 212-E, Bhai Randhir Singh Nagar, Ludhiana has been approved with certain conditions.

(ii) Copy of letter No. 458-B dated 20.02.2018 vide which, General Manager-cum-Mining Officer, District Industries Centre, Ludhiana has further conveyed the approval of the site in the favour of Sh. Tanvir Singh Gandhi S/o Sh. Gurdip Singh, H. No. 212-E, Bhai Randhir Singh Nagar, Ludhiana.

(iii) Self declaration by Sh. Tanvir Singh Gandhi S/o Sh. Gurdip Singh, H. No. 212-E, Bhai Randhir Singh Nagar, Ludhiana to the effect that the above-mentioned site has been allotted to him and he will be responsible for abiding all the guidelines of environmental clearance.

(iv) Affidavit by Sh. Mahesh Khanna, GMDIC, Ludhiana regarding the above-mentioned site.

(v) Copy of the demarcation report dated 22.03.2018 of the mining site.

The case was considered by the SEIAA in its 130th meeting held on 11.04.2018, which was attended by the following on behalf of the project proponent:

(i) Sh. Vipan Kumar, Mining Officer, O/o General Manager-cum-Mining Officer, District Industries Centre, Ludhiana

(ii) Sh. Tanvir Singh, Proprietor cum Contractor

Sh.Vipan Kumar submitted an authority letter wherein he has been authorized by General Manager-cum-Mining Officer, District Industries Centre, Ludhiana to attend the meeting of SEIAA on 11.04.2018. The same was taken on record by the SEIAA.

The SEIAA observed that the demarcation report submitted by the Mining Department stipulates only the ownership of land and does not indicate the physical structures at site. To this query, the Mining Officer submitted that it is off river bed mining and it is agriculture land as well as non replenishable site. On further crosschecking of the khasra nos mentioned in the report with the khasra nos mentioned in the application form submitted at the time of grant of environmental clearance, the SEIAA observed that the demarcation report is incomplete as some

khasra nos are missing which were shown to the Mining Officer as well as the contractor during meeting. They sought time to submit the complete demarcation report. The SEIAA acceded to the request of the Mining Officer and the contractor.

After deliberations, the SEIAA decided that the Mining Department is required to comply with the following observations before the case is considered for transfer of environmental clearance in the name of contractor:-

(i) Submit the complete demarcation certified by Mining Officer after getting the demarcation in the presence of revenue authorities, concerned Village Panchayat or their representatives, representative of Mining Officer, contractor & land owner(s). After demarcation, pucca pillars with reference to some permanent bench mark shall be erected at site.

(ii) Submit Geo-Coordinates (Latitude and Longitude) of all corners of demarcated mining site.

In compliance to the decision of SEIAA, General Manager-cum-Mining Officer, District Industries Centre, Ludhiana was requested vide letter no. 564 dated 23.04.2018 to attend the above said observations and copy of the same was endorsed to the Director (Mining), Department of Mines & Geology, Punjab Udyog Bhawan, 18, Himalaya Marg, Chandigarh and to the contractor namely Sh. Tanvir Singh Gandhi S/o Sh. Gurdip Singh, H. No. 212-E, Bhai Randhir Singh Nagar, Ludhiana vide endst no. 565-566 dated 23.04.2018.

General Manager-cum-Mining Officer, District Industries Centre, Ludhiana vide its memo no. 588-589 dated 30.04.2018 requested that the observations raised in the 130th meeting of SEIAA have been attended and has submitted a copy of the demarcation report showing the detail of khasra nos which were missing in its earlier demarcation report duly signed by the Mining Officer, Ludhiana, Naib Tehsildar, Kumbh Kalan & Sarpanch, Village Ratangarh, Ludhiana-II alongwith details of latitude and longitude of the mining site.

The case was considered by the SEIAA in its 131st meeting held on 04.05.2018, which was attended by the following on behalf of the project proponent:

(i) Sh. Vipan Kumar, Mining Officer, O/o General Manager-cum-Mining Officer, District Industries Centre, Ludhiana

(ii) Sh. Tanvir Singh, Proprietor cum Contractor

Sh. Vipan Kumar submitted an authority letter wherein he has been authorized by General Manager-cum-Mining Officer, District Industries Centre, Ludhiana to attend the meeting of SEIAA on 04.05.2018. The same was taken on record by the SEIAA.

The SEIAA observed that the demarcation report is still incomplete as the report of some khasra nos & Geo-Coordinates of all the corners have still not been mentioned. To this query, the contractor submitted that inadvertently report of two khasra nos have not been mentioned, however, Geo-Coordinates of the four corners in respect of both land parcels have been submitted. The contractor requested SEIAA that the transfer of environmental clearance be allowed in his name as it is off river bed mining & report of the left out khasra nos will be submitted within a week.

After detailed deliberations, the SEIAA decided that transfer of environmental clearance is allowed in the name of contractor subject to the submission of the demarcation report of left out khasra nos. and geo-coordinates of all the corners of site. Transfer letter be issued only after the same is submitted by the contractor and is approved by Chairman SEIAA on case record file

In compliance to the aforesaid decision, environmental clearance has been transferred vide letter no. 708 dated 24.05.2018 in the name of Sh. Tanvir Singh Gandhi for the period of 5 years i.e. mine lease period or extraction of total permitted quantity of minor minerals, whichever occurs earlier, subject to the same conditions as mentioned in the environmental clearance issued vide letter no. SEIAA/2017/664 dated 04.05.2017.

The project proponent has submitted fresh application for obtaining environmental clearance under EIA notification dated 14.09.2006 for mining of minor minerals (Sand) from the off river bed (Paleochannel of river Satluj) with semi mechanized method in the revenue estate of village Ratangarh, Tehsil Ludhiana (E) District Ludhiana, Punjab. The project is covered under category “B2”, 1 (a) of the Schedule appended to the said notification. The Project proponent has submitted Pre-Feasibility Report, Mining Plan, EMP, Risk Assessment, Final District Survey Report along with Form -1. The project proponent has submitted mining plan alongwith EMP has been prepared based on Sustainable Sand Mining Guidelines (2016) issued by the

Ministry of Environment, Forest & Climate Change, Notification dated 15.01.2016 and final district survey report and Punjab Minor Minerals Rules-2013.

The case was considered by SEAC in the 168th meeting held on 22.06.2018 and the same was attended by the following on behalf of project proponent:

(i) Sh. Ravi Jindal, authorized representative of project proponent.

(ii) Sh. S. Brahma, HOD-EIA, M/s Shivalik Solid Waste Management Ltd., Environmental consultant of the project proponent.

The Environmental Consultant presented the details of the project proposal before the SEAC as under:

Project name	Ratangarh Sand Mining Project
Mining Lease Area	13.76 hectare (Minable Area: 12.63 Ha)
Mining to be carried out	Mining to be carried out from the off river bed (Paleochannel of river Satluj) in H.B. no. 19 located in the revenue estate of village Ratangarh, Tehsil Ludhiana (E) District Ludhiana, Punjab.
Location of mine	6//24,25,7//19/2,20,21,22,17//1,2,7/1,8/1,9,10,12/ 1,23/1/2,18//5/1,5/2,6/1,20//3/1,3/2,8/1,8/2,9,10, 30//23,31//24,34//4,5,6,7,8,13,14,15,16,35//1,2,9, 10,11,12,13,14,17/2,18,19,20 Area 13.76Ha
Latitude & Longitude	30°56'28.82"N to 30°56'24.66"N 76° 3'55.82"E to 76° 4'10.64"E
Toposheet number	H43K01
Minerals of mine	Sand
Proposed production of mine	5,52,436 Tonnes out of the total 6, 82,020 tonnes of reserve over the period of
Method of mining	Mining will be carried out using semi mechanized method with the use of excavator in day time only upto a depth of 3 m bgl or above ground water level whichever comes first. No other heavy machinery / equipment will be used which will avoid adverse effects associated with them.
No of working days	290 days
Cost of the Project	Rs 2,71,35,000
Water demand	0.59 KLD of water shall be used for domestic and 0.48 KLD for dust suppression purpose. Hence Total water requirement is 1.07KLD
Sources of water	Water shall be supplied through nearby available Source.
Sewerage system	No sewerage system is provided as no effluent will be produced at the mine site.
Man power	13

Nearest railway station	Sanahwal Railway Station approximately 14 Km in SW direction
Nearest state highway/ national highway	Machiwara Rahon Highway: approximately 8.66 km in East direction
Nearest airport	Ludhiana Airport which is approximately 14.5 Km away from the mine site in SW direction..
Seismic zone	Seismic zone IV

1) Ordinary earth generated from the proposed mine site will be used for refilling of mined area lying on the river bank.
2) A clear gap of 7.5m (1.13 Hectares) is provided along the lease boundary for the green belt development
3) The lease area is connected to the nearest metalled road through an un metalled road at a distance of about 120 m which further connect to Gumana Chaunta Road.
4) About 5 trucks will be used per hour for transportation of material from the lease area to the market/end user. For the transportation of minerals densely populated areas, villages will be avoided & an alternate route will be followed for evacuation purpose. Movement of the vehicles will be restricted during the peak hours of the work. Only Pollution check certified vehicles will be used for transportation purpose.
5) Following Occupational Health & Safety Measures shall be taken at project site:-
    a. Workers will be instructed with safety measures.
    b. First aid facility will be made available for the workers.
    c. Medical checkup will be done regularly for the workers through recognized health officers.
    d. Medical camps will be arranged for workers.
6) Following Mitigation measures will be taken to protect air environment: -
    (a) Water sprinkling will be done on the roads regularly.
    (b) Care will be taken to prevent spillage by covering the carrying vehicles with tarpaulin and sprinkling of water, if in dry form.
    (c) Proper tuning of vehicles will be ensured to keep the gas emissions from the vehicles within the prescribed norms.

(d) Fortnightly scraping of road to keep the roads almost leveled will be done to ensure smooth flow of vehicles and to prevent spillage of mined material.

(e) Overloading will be kept under check by giving prior awareness.

(f) Minimum use of Horns at the village area.

(g) Phasing out of old and worn out trucks.

(h) Plantation of trees along the bank will be done to attenuate the noise to be generated from machinery.

(i) Awareness will be imparted prior to mining operations to all the operators & other persons concerned, so that they must be aware of detrimental effects of noise pollution.

7) Following Mitigation measures will be taken to protect water environment

a) It will be ensured that the project will not intercept the ground water table.

b) The vehicles will be maintained so that no spillage of lubricants will take place leading additional pollution load.

8) Following Mitigation measures will be taken to protect Biological environment:-

a) If birds are noticed crossing the core zone, they will not be disturbed at all.

b) Labours will not be allowed to dispose of food, plastic etc., which can attract animals/birds near the core site.

c) Only low polluting vehicles having pollution under control certificate will be allowed for carrying mining materials.

d) Noise level will be maintained within permissible limit.

9) Plantation activities will also be carried out along both sides of roads & civic amenities around the lease area. The area will be identified for plantation & will be carried out in consultation with the forest department. Amount about Rs 60,000 will be kept reserved for the plantation.

10) No solid waste is generated during the mining operations. Only Top soil/ Overburden will be generated as a waste during processing. There is no washing or screening etc. which may result in screened reject or silt etc. Minimal amount of domestic waste will only be generated at the mine site by the workers which will be further disposed of by the proper municipal way.

11)Project proponent shall be responsible for the implementation of the EMP and Rs. 38000/- per annum as recurring cost will be spent for the implementation of the EMP on the following activities: -

Sr No.	Description of the activity	**Cost to be incurred (in Rs/annum)**
1.	**Air Quality** (24/8/1 Hour- PM10, SO_2, NOx) a)Monitoring in the vicinity of the mine b) Monitoring in the vicinity of the transportation network	14,000
2.	**Water Quality** **Ground Water** : Colour, Odour, Turbidity, Temperature, pH, TDS, Chloride, Sulphate, Nitrate, Fluoride, Total Hardness as $CaCO_3$, Calcium (as Ca), Magnesium as (Mg), Total Alkalinity, Iron; Total Coliform, *Ecoli.* **Surface Water**: DBU (Designated Best Use) Criteria by CPCB i.e. pH, Conductivity, DO, BOD, COD, TSS and Total Coliform	15,000
3.	**Ambient Noise Level** One Hour Leq at project boundary during Day Time at two intervals (i) Low activity period at project and in and around (ii) Peak activity at project and in and around.	6,000
4.	**Soil Quality** pH, Conductivity, Texture, Bulk Density, organic matter, N.P.K	3,000
	TOTAL	**38,000**

12)For the Socio-Economic development & welfare of people residing in nearby villages approximately 2 % of the project cost i.e. about Rs 5,42,700 will be spend for following activities under Corporate Social Responsibility: -

a) Regular health check-up camps for the workers engaged in mines shall be organized.
b) Occupational health surveillance program of the workers shall be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.
c) Insurance cover to all workers engaged in mines shall be provided.
d) Common vocational training centre shall be setup at district level.

e) Local needs of habitants like school, crèche, hospital, veterinary hospital, sanitation, drinking water etc. shall be considered positively.

To a query of the SEAC regarding why Semi-Mechanized Mining is required at the project site and to what extent machinery to be utilized for mining activities. In reply to this query, the project proponent submitted as under: -

a. In order to meet the present market demand, Semi mechanized mining is need of the hour.
b. In order to mine out 3m depth, manual mining is not possible hence excavator shall be used in mining.
c. Loading of trucks is difficult by using manual means of mining.
d. Using semi mechanized method will help to reduce overall cost of mining in long run.
e. The following machinery will be used at the project site:-

Sr No.	Type of Machinery	Quantity
1	Excavators	02 Nos
2	Truck (9 MT Capacity)	05 Nos /hours
3	Water sprinkler	01 Nos.

Project proponent requested to recommend the case to SEIAA for grant of environmental clearance to the project. After detailed deliberations, the Committee observed that the project proponent has provided adequate and satisfactory clarifications to the observations raised by it. Therefore, the Committee decided that the case be forwarded to the SEIAA with the recommendation to grant Environmental Clearance to the project promoter for carrying out for mining of minor minerals (Sand) @ 5,52,436 MT from the off river bed (Paleochannel of river Satluj) with semi mechanized method in total area of 13.76 hectare (Minable Area: 12.63 ha) having H.B. no. 19 bearing Khasra nos 6//24,25,7//19/2,20,21,22,17//1,2,7/1,8/1,9,10,12/1, 23/1/2,18//5/1,5/2,6/1,20//3/, 3/2,8/1,8/2,9,10,30//23,31//24,34//4,5,6,7,8,13,14, 15,16,35//1,2,9,10,11,12,13,14,17/2,18,19,20 and Geo coordinates 30°56'28.82"N to 30°56'24.66"N and 76° 3'55.82"E to 76° 4'10.64"E located in the revenue estate of village Ratangarh, Tehsil Ludhiana (E) District Ludhiana, Punjab, subject to the following conditions in addition to the proposed measures:-

A. Specific conditions:

(i) The environmental clearance will be valid for a period of seven years from the date of issuance or upto completion of excavation of sand/gravel @ 5,52,436 MT or up to a depth of 3m only whichever is reached earlier, 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.

(ii) 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.

(iii) 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 as applicable for such projects.

(iv) Mining shall be carried out as per the approved Development/Mining Plan prepared for this project and as per the Mines & Mineral (Development & Regulation) Act, 1957 / other Acts/Rules & its amendment related with mining of minor minerals.

(v) The project proponent shall obtain Consent to Establish and Consent to Operate from the Punjab Pollution Control Board and effectively implement all the conditions stipulated therein.

(vi) The Mining Officer shall observe the mining site after every 15 days and in case, a Schedule-I or Schedule-II species as per Wildlife Act or any rare or endangered species are reported, the Mining Officer will get a conservation plan prepared in consultation with Department of Wildlife and ensure its implementation.

(vii) The mining of minor mineral (sand) shall be carried out only upto a depth for which the sand strata is available, but not more than 3 meter below the natural ground level in any case or above the ground water table, whichever is less. The top over burden removed prior to starting the mining, shall be placed and it shall be ensured that no depression is created with respect to adjoining areas and natural drainage pattern of the area is not altered after mining.

The Mining Officer shall ensure that the mining shall be carried out by the contractor/lessor as per the EMP prepared and development / mining plan prepared as per the Mines & Mineral (Development & Regulation) Act, 1957 / other Acts/Rules related with mining of minor minerals.

(ix) Effective safeguard measures shall be taken by Mining Officer to ensure that the AAQ levels at various locations are within permissible limits as prescribed by MoEF/CPCB/PPCB.

(x) The Mining Officer shall ensure that wherever deployment of labour attracts the Mines Act, the provision thereof shall be strictly followed.

(xi) The project proponent shall undertake plantation/afforestation work by planting the native species in the nearby area adjacent to mine lease area.

(xii) The project proponent shall ensure that effective safeguard measures, such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of particulate matter such as loading and

unloading points and all transfer points. Extensive water sprinkling shall be carried out on haul roads. It should be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the MoEF/CPCB/PPCB. in this regard.

(xiii) The project proponent shall undertake adequate safeguard measures during extraction of sand and ensure that due to this activity, the hydro-geological and ecological regime of the surrounding area shall not be affected. Regular monitoring of ground water level and quality shall be carried out around the mine lease area by establishing a network of existing wells and installing new piezometers during the mining operation.

(xiv) The periodic monitoring [(at least four times in a year- pre-monsoon (April May), monsoon (August), post-monsoon (November) and winter (January); once in each season)] shall be carried out in consultation with the State Ground Water Board/Central Ground Water Authority and the data thus collected may be sent regularly to the Ministry of Environment and Forests and its Regional Office at Chandigarh, the Central Ground Water Authority, the Regional Director, Central Ground Water Board and Punjab Pollution Control Board. If at any stage, it is observed that the groundwater table is getting depleted or rising due to the mining activity, necessary corrective measures shall be carried out.

(xv) The project proponent shall obtain necessary prior permission of the Competent Authorities for abstraction of requisite quantity of water (surface water and groundwater), if any, required for the project.

(xvi) Appropriate mitigative measures shall be taken by the Mining Officer/project proponent to prevent pollution at the mining site in consultation with the State Pollution Control Board. It shall be ensured that there is no leakage of oil and grease at the mining site from the vehicles/mining equipments used for transportation.

(xvii) The transportation route map will be prepared and finalized.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.

(xviii) 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.

(xix) No drilling and blasting operation shall be carried out.

(xx) 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. A safety barrier of 7.5m width shall be left intact around the mine lease boundary.

(xxi) Mineral handling area shall be provided with the adequate number dust suppression system. Loading and unloading areas including all the transfer points should also have efficient dust control arrangements. These should be properly maintained and operated.

(xxii) Periodical medical examination of the workers engaged in the project shall be carried out and records maintained. For the purpose, schedule of health examination of the workers should be drawn and followed accordingly.

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

(xxiv) The critical parameters such as RSPM (Particulate matter with size less than 10micron i.e., PM10) and NO in the ambient air within the impact zone shall be monitored periodically. Further, quality of discharged water shall also be monitored [(TDS, DO, PH, Faecal Coliform and Total Suspended Solids (TSS)]. The monitored data shall be uploaded on the website of the company as well as displayed on a display board at the project site at a suitable location near the main gate of the Company in public domain. The Circular No. J-20012/1/2006-IA.II(M) dated 27.05.2009 issued by Ministry of Environment and Forests, which is available on the website of the Ministry www.envfor.nic.in shall also be referred in this regard for its compliance.

(xxv) 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.

(xxvi) The project proponent shall take all precautionary measures during mining operation for conservation and protection of rare and endangered flora & fauna found in the study area. Action plan for conservation of flora and fauna shall be prepared in consultation with the State Forest and Wildlife Department. All the safeguard measures brought out in the Wildlife Conservation Plan so prepared specific to this project site shall be effectively implemented. Necessary allocation of funds for implementation of the conservation plan shall be made and the funds so allocated shall be included in the project cost. A copy of action plan shall be submitted to the Regional Office of the Ministry of Environment and Forests, Chandigarh.

(xxvii) The project proponent shall ensure the implementation of the post closure mining plan as proposed by the project proponent in the mining plan.

(xxviii) The project proponent shall submit within 3 months their policy towards Corporate Environment Responsibility which should inter-alia address (i) Standard operating process/ procedure to bring into focus any infringement/deviation/violation of environmental or forest norms/ conditions, (ii) Hierarchical system or Administrative order of the company to deal with environmental issues and ensuring compliance of EC conditions and (iii) System of reporting of non- compliance/violation of environmental norms to the Board of Directors of the company and/or stakeholders or shareholders.

(xxix) Vehicles hired to be used for transportation of mined material should be in good condition and should conform to applicable air and noise emission standards.

(xxx) Ambient noise levels should conform to prescribed standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored.

(xxxi) The Risk assessment and disaster management plan should be prepared.

(xxxii) The project proponent shall submit the site plan showing the earmarked area for storage of mined material.

(xxxiii) The Mining Officer and project proponent shall ensure that the compensation to the private land owner (s) for the mined area shall be made as per the prevalent policy of the State Govt.

(xxxiv) Mining shall be carried out by open-cast, semi-mechanized method. Excavators (2 Nos), Truck (5Nos/hr) and water sprinkler (1 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

(xxxv) 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) No change in mining technology and scope of working should be made without prior approval of the Ministry of Environment & Forests.

(ii) No change in the calendar plan including excavation, quantum of mineral sand, bajri and boulders (minor mineral) and waste should be made.

(iii) Four ambient air quality-monitoring stations should be established in the core zone as well as in the buffer zone for RSPM (Particulate matter with size less than 10micron i.e., PM) and NOx monitoring. Location of the stations should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the State Pollution Control Board.

(iv) Data on ambient air quality RSPM (Particulate matter with size less than 10micron i.e., PM) & NOx should be regularly submitted to the Ministry of Environment and Forests including its Regional office located at Chandigarh and the Punjab Pollution Control Board / Central Pollution Control Board once in six months.

(v) Fugitive dust emissions from all the sources should be controlled regularly. Water spraying arrangement on haul roads, loading and unloading and at transfer points should be provided and properly maintained.

(vi) Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects. Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.

(vii) A separate environmental management cell with suitable qualified personnel should be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.

(viii) The funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the Ministry of Environment and Forests and its Regional Office located at Chandigarh.

(ix) The project proponent should inform to the Regional Office of the Ministry of Environment & Forests located at Chandigarh regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.

(x) The Regional Office of Ministry of Environment & Forests located at Chandigarh shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information / monitoring reports.

(xi) The project proponent shall submit six monthly reports on the status of compliance of the stipulated environmental clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the Ministry of Environment and Forests, its Regional Office Chandigarh, the respective Zonal Office of Central Pollution Control Board and the State Pollution Control Board. The proponent shall upload the status of compliance of the environmental clearance 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 the Ministry of Environment and Forests, Chandigarh, the respective Zonal Office of Central Pollution Control Board and the State Pollution Control Board.

(xii) A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parisad/ 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.

(xiii) The State Pollution Control Board should display a copy of the clearance letter at the Regional office, District Industries Centre and the Collector's office/ Tehsildar's office.

(xiv) The environmental statement for each financial year ending 31 March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the Regional Office of the Ministry of Environment and Forests, Chandigarh by e-mail.

(xv) The project proponent shall adhere to the commitments made in the Environment Management Plan and Corporate Social Responsibility.

(xvi) The project proponent should advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and also at web site of the Ministry of Environment and Forests at http://envfor.nic.in and a copy of the same should be forwarded to the Regional Office of Ministry of Environment & Forests at Chandigarh.

(xvii) The MoEF/SEIAA or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.

(xviii) The SEIAA may cancel the environmental clearance granted to this project under the provisions of EIA Notification, 2006, if, at any stage of the validity of this environmental clearance, it is found/ come to the knowledge of the SEIAA that the project proponent has deliberately concealed and/or submitted false or misleading information or inadequate data for obtaining the environmental clearance.

(xix) The project proponent shall get the micro chemical analysis of the mined material done from an approved laboratory once in a year and shall submit the analysis results to the Ministry of Environment & Forests/Punjab Pollution Control Board.

(xx) The Mining Officer and project proponent shall ensure that the contractor shall engage people of local area for mining purpose as far as possible, so as to have opportunities of employment for them.

(xxi) 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.

(xxii) This environmental clearance will be valid for carrying out mining of minor minerals (sand) only and not for river sand mining.

(xxiii) 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.

(xxiv) The project proponent will plant only those species of plants as mentioned in the 'Guidelines for Plantation of Trees in Green Belt' for different zones of the State, which are available on the website of SEIAA i.e. seiaapunjab.co.in.

Case is placed before the SEIAA for consideration.