



सत्यमेव जयते

File No: 2024/EC/F/10
Government of India
Ministry of Environment, Forest and Climate Change
(Issued by the State Environment Impact Assessment
Authority(SEIAA), PUNJAB)



Date 29/04/2024



To,

Daksh Garg
VANEERA INDUSTRIES LIMITED
Village-Kaddon, Tehsil- Doraha, District- Ludhiana, Punjab, 141421
vaneera01@gmail.com

Subject: Grant of prior Environmental Clearance (EC) to the proposed project under the provision of the EIA Notification 2006 -regarding.

Sir/Madam,

This is in reference to your application submitted to SEIAA vide proposal number SIA/PB/IND1/457115/2023 dated 09/01/2024 for grant of prior Environmental Clearance (EC) to the proposed project under the provision of the EIA Notification 2006 and as amended thereof.

2. The particulars of the proposal are as below :

(i) EC Identification No.	EC23B1010PB5138990N
(ii) File No.	2024/EC/F/10
(iii) Clearance Type	Fresh EC
(iv) Category	B1
(v) Project/Activity Included Schedule No.	3(a) Metallurgical Industries (ferrous and non ferrous)
(vii) Name of Project	Proposed New Steel Manufacturing unit by M/s Vaneera Industries Ltd.
(viii) Name of Company/Organization	VANEERA INDUSTRIES LIMITED
(ix) Location of Project (District, State)	LUDHIANA, PUNJAB
(x) Issuing Authority	SEIAA
(xi) Applicability of General Conditions as per EIA Notification, 2006	Yes

3) State Environment Impact Assessment Authority (SEIAA), Punjab has examined the proposal for establishment of new unit for manufacturing of steel billets @191100 TPA and wire rod, round hexa, RCS and TMT bars @ 175000 TPA in the revenue estate of Village Kaddon, Tehsil Doraha, District Ludhiana, Punjab. The project is covered under Schedule 3(a) & Category 'B1' as per EIA Notification, dated 14.09.2006 and its subsequent amendments and requires appraisal at the State level.

4) State Environment Impact Assessment Authority (SEIAA), Punjab had granted additional Terms of Reference (TOR) vide letter no. 958 dated 04.08.2023 to the project proponent.

5) The proposal has been appraised as per the procedure prescribed under the provisions of EIA Notification 14.09.2006 based on mandatory documents enclosed with the application viz Form-2, EIA, EMP, and additional documents and subsequent presentation/ clarifications made by the project proponent and his consultant to the observations of SEIAA and SEAC.

6) As per the report of the Punjab Pollution Control Board vide letter no. 30778 dated 08.12.2023, no construction work of the proposed project has been started at site and only boundary wall at site has been constructed.

7) This is a fresh EC project. The details of the project, as per the application and documents/ presentation submitted by the project proponent and also as informed during the meetings of SEAC/SEIAA are as under:

Sr. No.	Item No.	Details										
1.	Nature & location of Project	M/s Vaneera Industries Ltd. located at Village Kaddon, Tehsil Doraha, District Ludhiana, Punjab.										
2.	Latitude & Longitude	<table border="0"> <tr> <td>Latitude</td> <td>Longitude</td> </tr> <tr> <td>30°45'55.81"N</td> <td>76°02'59.88 "E</td> </tr> <tr> <td>30°45'51.58"N</td> <td>76°03'4.29"E</td> </tr> <tr> <td>30°45'50.00"N</td> <td>76°03'1.66"E</td> </tr> <tr> <td>30°45'53.94"N</td> <td>76°02'57.54"E</td> </tr> </table>	Latitude	Longitude	30°45'55.81"N	76°02'59.88 "E	30°45'51.58"N	76°03'4.29"E	30°45'50.00"N	76°03'1.66"E	30°45'53.94"N	76°02'57.54"E
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3.	Project/ activity covered	Schedule: 3(a): Metallurgical Industries (ferrous & non-ferrous); Category: B-1										
4.	Classification/ landuse pattern as per Master Plan	The industry is located falls in approved industrial zone as per Master plan of Ludhiana.										
5.	Cost of the project	Rs. 26.50 Crores										
6.	Working days	350 days										
7.	Plot area details	13152.17 sqm. (3.25 acre)										
8.	Area break-up details	<p>The area breakup details are given below:</p> <table border="0"> <thead> <tr> <th>Sr. No.</th> <th>Details</th> <th>Area (sqm)</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Total Land Area</td> <td>13152.17</td> </tr> <tr> <td>2.</td> <td>Green Area</td> <td>2,317.34</td> </tr> </tbody> </table>	Sr. No.	Details	Area (sqm)	1.	Total Land Area	13152.17	2.	Green Area	2,317.34	
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1.	Total Land Area	13152.17										
2.	Green Area	2,317.34										
9.	Raw materials details	MS Scrap: 2,07,550 TPA Ferro Alloys: 4,200 TPA										
10.	Production capacity details	<table border="0"> <thead> <tr> <th>Details</th> <th>Quantity</th> </tr> </thead> <tbody> <tr> <td>Steel Billets</td> <td>1,91,000 TPA</td> </tr> <tr> <td>Wire Rod/Rounds/Hexa/RCS and TMT Bars</td> <td>1,75,000 TPA</td> </tr> </tbody> </table>	Details	Quantity	Steel Billets	1,91,000 TPA	Wire Rod/Rounds/Hexa/RCS and TMT Bars	1,75,000 TPA				
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Sr. No.	Details	Proposed
11.	Details of major productive machinery/ plant	
1.	Induction Furnaces	1 × 15 TPH & 2× 12 TPH
2.	Rolling Mill	1 x 25 TPH
3.	Concast Machine	1
4.	LRF	1
5.	VD	1

Details of the technology proposed for control of emissions & effluents generated from the project

Sr. No.	SOURCE OF POLLUTION	NO. OF BAGS	APCD	Stack height (m)	
1	Induction Furnace 12 TPH with side hood for collection of process emissions during operation of the Furnace	600	Bag filter house with offline cleaning Technology	30 m above ground level	
2.	Induction Furnace 12 TPH with side hood for collection of process emissions during operation of the Furnace	600	Bag filter house with offline cleaning Technology	30 m above ground level	
3	Induction Furnace 15 TPH with side hood	600	Dog House Hood followed by pulse jet Bag filter house with offline cleaning Technology	30 m above ground level	
4	Ladle Refining Furnace (Emission are to be generated through lid)	320	Bag filter house with offline cleaning Technology	30 m above ground level	
5	Vacuum Degasser	There will not be generation of significant emissions from Vacuum Degasser.			
13.	Manpower Requirement	300			
14.	Break-up of Water Requirements & its source in Operation Phase	Total water demand of the project is 70 KLD in Summer Season, winter & rainy season and the break-up of the same is given as under:-			
	Description	Summer (KLD)	Winter (KLD)	Rainy (KLD)	
	Domestic	15	15	15	
	Cooling (makeup water)	55	55	55	
	Total	70	70	70	
15.	Wastewater generation & its disposal Arrangement in Operation Phase	S.No.	Description	Total	Ultimate Disposal
		1.	Domestic wastewater	12 KLD	STP based on MBBR technology of 15 KLD capacity will be installed and after treatment water will be used in plantation & green area.
		2.	Industrial Effluent	Nil	No generation of industrial effluents.
16.	Hazardous/Non-Hazardous Waste Generation details &	S.No.	Waste Category	Proposed	Disposal
		Hazardous waste:			

their storage, utilization, and disposal.	1.	35.1 Flue gas cleaning residue	0.56 TPD	Will be sent to M/s Madhav KRG Environmental Solutions Private Limited for final disposal under proper agreement.
	2.	Used Oil	0.05 KI/annum	Used as Lubricant within the industry/sent to authorized recyclers.
Solid Waste generation and its mode of disposal	S.No.	Waste Category	Proposed	Disposal
	1.	Slag	31.5 TPD	Will be sent to M/s Shree Radhey Tile Industries for final disposal.
18. Energy requirements & savings	Description	Unit	Total	
	Power load DG set equipped with canopy and adequate stack height	MW KVA	20 1 x 550	
Energy Saving measures to be adopted:				
i) LED shall be used in place of inter lighting.				
ii) Street lighting shall be done completely with solar energy.				

8) As per undertaking given by the project proponent, no forest land is involved in the project and no wildlife sanctuary is located in the vicinity of the project and as such, no NOC under FCA/NBWL permission is required. Further, no litigation is pending in respect of the land on which the project is to be developed.

9) The SEAC, constituted under the provision of the EIA Notification, 2006 and comprising of Experts Members/domain experts in various fields, has examined the proposal submitted by the project proponent in the desired form along with the EMP report prepared and submitted by the Consultant accredited by the QCI/NABET on behalf of the project proponent & replies to its observations in its 274th meeting held on 29.01.2024, 277th meeting held on 01.03.2024, 284th meeting held on 09.04.2024. The SEAC noted that the project proponent has given an undertaking that the data and information given in the application and enclosures are true to the best of his knowledge and belief and no information has been suppressed in the report. If any part of the data/information submitted is found to be false/misleading at any stage, the project may be rejected and Environmental Clearance given, if any, may be revoked at the risk and cost of the project proponent.

10) The Committee noted that the project proponent has provided adequate and satisfactory clarifications to the observations raised by it. Therefore, the Committee decided to forward the case to the SEIAA with the recommendation to grant Environmental Clearance for the establishment of new unit for manufacturing of steel billets @191100 TPA and wire rod, round hexa, RCS and TMT bars @ 175000 TPA in the revenue estate of Village Kaddon, Tehsil Doraha, District Ludhiana, Punjab as per the details mentioned in the application proposal & subsequent presentation /clarifications made by the project proponent and his consultant.

11) The case was considered by the SEIAA in its 290th meeting held on 19.04.2024, wherein SEIAA observed that the case stands recommended by SEAC. The Authority examined and appraised the environmental impacts and other aspects of the project proposal in detail as deliberated upon and recorded in the proceedings of its 290th meeting held on 19.04.2024 and was satisfied with the same. Therefore, the Authority decided to grant Environmental Clearance for the establishment of new unit for manufacturing of steel billets @191100 TPA and wire rod, round hexa, RCS and TMT bars @ 175000 TPA in the revenue estate of Village Kaddon, Tehsil Doraha, District Ludhiana, Punjab, as per the details mentioned in Form 2, EIA report and subsequent presentation /clarifications made by the project proponent and his consultant with proposed measures, conditions as proposed by SEAC in addition to the proposed measures.

12) Accordingly, SEIAA, Punjab hereby accords Environmental Clearance to the aforesaid project under the provisions of EIA Notification dated 14.09.2006 and its subsequent amendments subject to proposed measures and strict compliance with terms and conditions as per Annexure-1.

13) The SEIAA reserves the right to stipulate additional conditions if found necessary at subsequent stages and the project

proponent shall implement all the said conditions in a time-bound manner. SEIAA may revoke or suspend the environmental clearance if the implementation of any of the above conditions is not found to be satisfactory.

14) Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986.

15) Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

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

17) This issues with the approval of the Competent Authority.

Copy To

1. The Secretary to Govt. of India, Ministry of Environment and Forest, Paryavaran Bhawan, CGO Complex, Lodhi Road, New Delhi
2. The Secretary, Department of Science, Technology & Environment, Government of Punjab, Chandigarh.
3. The Regional Officer, Ministry of Environment, Forest and Climate Change, Integrated Regional Office, Bays No. 24-25, Sector 31-A, Dakshin Marg, Chandigarh-160030. The detail of the authorized Officer of the project proponent is as under:
 - a) Name of the applicant Sh. Daksh Garg, Director
 - b) Mobile No. 9914919004
 - c) Email Id vaneera01@gmail.com
 - d) Email ID of Env. Consultant md@ecoparyavaran.org
4. The Deputy Commissioner, Ludhiana.
5. The Member Secretary, Central Pollution Control Board, Parivesh Bhawan, East Arjun Nagar, Delhi.
6. The Member Secretary, Punjab Pollution Control Board, Vatavaran Bhawan, Nabha Road, Patiala, 147001
7. The Secretary, Punjab Water Regulation and Development Authority, SCO 149-152, Sector 17-C, Chandigarh-160017.
8. The Chief Town Planner, Department of Town & Country Planning, 6th Floor, PUDA Bhawan, Phase-8, Mohali.
9. Monitoring Cell, Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi-110003
10. Parivesh Portal/Record File.

Annexure 1

Specific EC Conditions for (Metallurgical Industries (Ferrous And Non Ferrous))

1. Additional Conditions

S. No	EC Conditions
1.1	The industry shall submit the progress of developing the green belt in the six-monthly compliance report
1.2	The industry shall install an online monitoring system at the inlet as well as at the outlet of each APCD for monitoring SPM

S. No	EC Conditions
1.3	The Project proponent shall submit compliance of the action plan proposed to address the public hearing issues along with the six-monthly compliance report of EC condition on Parivesh Portal
1.4	This environmental clearance will be valid for a period of ten years from the date of its issue as per MoEF & CC, GoI notification No. S.O. 1807 (E) dated 12.04.2022 or till the completion of the project, whichever is earlier

Standard EC Conditions for (Metallurgical Industries (ferrous and non ferrous))

1. Statutory Compliance

S. No	EC Conditions
1.1	The project proponent shall obtain forest clearance under the provisions of the Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purposes involved in the project
1.2	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable
1.3	The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan/ Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report. (in case of the presence of Schedule-I species in the study area)
1.4	The project proponent shall obtain Consent to Establish/ Operate under the provisions of the Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned Punjab Pollution Control Board.
1.5	The project proponent shall obtain the necessary permission from the Central Ground Water Authority/competent authority concerned, in case of drawl of groundwater and also in case of drawl of surface water required for the project. In case of non-grant of permission by CGWA for groundwater abstraction, the industry shall make alternative arrangements by using surface water or treated city sewage effluent after obtaining permission from the competent authority
1.6	The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time
1.7	The project proponent shall comply with the siting criteria, standard operating practices, code of practice, and guidelines if any prescribed by the SPCB/CPCB/MoEF&CC for such types of units
1.8	The project proponent shall comply with the CLU conditions imposed by the Competent Authority, if any

2. Air Quality Monitoring And Preservation

S. No	EC Conditions
2.1	The project proponent shall install 24x7 continuous emission monitoring system at the inlet as well as at the outlet (stack) of each APCD to monitor the SPM concentration with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R 277 (E) dated 31 st March 2012 (applicable to IF/EAF) as amended from time to time; S.O. 3305 (E) dated 7 th December 2015 (Thermal Power Plants) as amended from time to time) and connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specifications through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories
2.2	The project proponent shall monitor fugitive emissions in the plant premises at least once every quarter through laboratories recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories
2.3	The project proponent shall install a system to carry out Manual Ambient Air Quality monitoring for parameters relevant to the main pollutants released (e.g. PM ₁₀ and PM _{2.5} in reference to PM emission, and SO ₂ and NO _x in reference to SO ₂ and NO _x emissions) within and outside the plant area (at least at four locations one within and three outside the plant area at an angle of 120° each), covering upwind and downwind directions
2.4	The project proponent shall submit a monthly summary report of continuous stack emission and air quality monitoring and results of manual stack monitoring and manual monitoring of air quality/ fugitive emissions to the Regional Office of MoEF&CC, Zonal office of CPCB, and Regional Office of SPCB along with six-monthly monitoring report
2.5	Appropriate Air Pollution Control (APC) system shall be provided for all the dust-generating points including fugitive dust from all vulnerable sources
2.6	The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags
2.7	Sufficient number of mobile or stationary vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, etc. regularly
2.8	Recycle and reuse of iron ore fines, coal and coke fines, lime fines, and such other fines collected in the pollution control devices and vacuum cleaning devices in the process after briquetting/ agglomeration should be ensured
2.9	The project proponent shall use leak-proof trucks/dumpers carrying coal and other raw materials and cover them with tarpaulin
2.10	The project proponent shall provide covered sheds for raw materials like scrap and sponge iron, lump ore, coke, coal, etc
2.11	The project proponent shall provide primary and secondary fume extraction systems at all melting furnaces
2.12	Design and implementation of the ventilation system for adequate air changes as per the ACGIH document for all tunnels, motor houses, and Oil Cellars should be ensured

3. Water Quality Monitoring And Preservation

S. No	EC Conditions
3.1	The project proponent shall monitor regularly groundwater quality at least twice a year (pre and post-monsoon) at sufficient numbers of piezometers/ sampling wells in the plant and adjacent areas through labs recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories
3.2	Garland drains and collection pits shall be provided for each stockpile to arrest the run-off in the event of heavy rains and to check the water pollution due to surface runoff
3.3	The project proponent shall practice rainwater harvesting to the maximum possible extent. As an additional safety measure, the stream carrying waste water of the village shall be diverted in one corner of Phytoid plants trench (designed based on the technology developed by CSIR-NEERI's) divided into different parts, the overflow of each chamber shall be allowed to enter into another chamber which will ultimately lead to the purification of water and collected into the pond to avoid any contamination of ground water aquifer. Pond water will percolate through natural strata (without injection) to augment the ground water and remaining water shall be used for irrigation purposes by pumping method in the nearby fields
3.4	The project proponent shall make efforts to minimize water consumption in the steel plant complex by segregation of used water, practicing cascade use, and recycling treated water

4. Noise Monitoring And Prevention

S. No	EC Conditions
4.1	A noise level survey shall be carried out as per the prescribed guidelines and the report in this regard shall be submitted to the Regional Officer of the Ministry as a part of a six-monthly compliance report
4.2	The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during daytime and 70 dB(A) during night-time

5. Energy Conservation Measures

S. No	EC Conditions
5.1	The project proponent shall practice hot charging of slabs and billets/blooms as far as possible
5.2	The project proponent shall provide solar power generation on rooftops of buildings, a solar light system for all common areas, street lights, parking around the project area, and maintain the same regularly
5.3	The project proponent shall provide LED lights in their offices and residential areas
5.4	The Project Proponent shall practice hot charging of slabs and billets/blooms as far as possible

6. Waste Management

S. No	EC Conditions
6.1	Used refractories shall be recycled as far as possible
6.2	100% utilization of fly ash shall be ensured. All the fly ash shall be provided to cement and brick manufacturers for further utilization and a Memorandum of Understanding in this regard shall be submitted to the Ministry's Regional Office
6.3	The waste oil, grease, and other hazardous waste shall be disposed of as per the Hazardous & Other waste (Management & Transboundary Movement) Rules, 2016
6.4	Kitchen waste shall be composted or converted to compost or biogas for further use

7. Waste Management In Case Of Aluminium Smelter/ Aluminium Refinery

S. No	EC Conditions
7.1	The red mud generated from the project shall be stored in the red mud pond lined with impervious clay prior to use to prevent leakage, designed as per the CPCB guidelines with proper leachate collection system. Ground water shall be monitored regularly all around the red mud disposal area and report submitted to the Regional Office of the Ministry. Proper care shall be taken to ensure no run off or seepage from the red mud disposal site to natural drainage.

8. Green Belt

S. No	EC Conditions
8.1	“Green belt” shall be developed in an area of 2317.34 Sqm (equal to 17.61% of the plant area) within the project premises with native tree species in accordance with SEIAA guidelines. Total 348 tall saplings (minimum 8 feet height) of indigenous species such as Neem, Drek, Kusum, Kadam, Banyan, Peepal, Amaltas, Arjun, Chakarasia etc will be planted. The Project Proponent shall develop and maintain permanent additional green area in the pocket of land measuring 2.01 acres outside the project premises through plantation of minimum 8 feet tall saplings of indigenous tree species. The plantation activities would commence at the earliest and be completed within one year
8.2	The Project Proponent shall develop a green belt in 17.61% of the total land area with native tree species (having canopy type structure and especially trees, and not grass) before the completion of the project. The greenbelt shall inter alia cover the entire periphery of the unit. The canopy trees shall also be planted around the parking area to provide shade to the parked vehicles
8.3	Plantation activities should be commenced at the earliest and completed within 1 year. Minimum 8 Feet tall plants of indigenous tree species should be planted. The proponent shall make adequate provision of funds for raising the plantation and subsequent maintenance for three years in the Environment Management Plan
8.4	The project proponent shall submit the progress of developing the green belt in the six-monthly compliance report

9. Public Hearing And Human Health Issues

S. No	EC Conditions
9.1	An emergency preparedness plan based on the Hazard Identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented
9.2	The project proponent shall carry out heat stress analysis for the workmen who work in the high-temperature work zone and provide Personal Protection Equipment (PPE) as per the norms of the Factory Act
9.3	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
9.4	Occupational health surveillance of the workers shall be done regularly and records maintained as per the Factories Act
9.5	The project proponent shall carry out the activities apart from CER activities and spent an amount as committed during the public hearing as per the public hearing action plan

10. Environment Management

S. No	EC Conditions												
10.1	The company shall have a well-laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe standard operating procedures to have proper checks and balances and to bring into focus any infringements/ deviation/ violations of the environmental/ forest/ wildlife norms/ conditions. The company shall have defined system of reporting infringements/ deviation/ violation of the environmental/ forest/ wildlife norms/ conditions to all/ or shareholders/ stakeholders. A copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of the six-monthly report												
10.2	A separate Environmental Cell both at the project and company headquarters level, with qualified personnel, shall be set up under the control of the Senior Executive, who will directly report to the head of the organization												
10.3	<p>An action plan for implementing EMP and environmental conditions along with the responsibility matrix of the company shall be prepared and shall be duly approved by the competent authority. The year-wise funds earmarked for environmental protection measures shall be kept in a separate account and will not be diverted for any other purpose. An action plan for implementing following activities under EMP, Additional Environmental Activities and environmental conditions along with the responsibility matrix of the company shall be prepared and shall be duly approved by the competent authority.</p> <p>Table-1 Environmental Management Plan</p> <table border="1"> <thead> <tr> <th>S.No</th> <th>Title</th> <th>Capital Cost Rs. Lakh</th> <th>Recurring Cost Rs. Lakh</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Pollution Control during construction stage</td> <td>5.0</td> <td>2.0</td> </tr> <tr> <td>2.</td> <td>Air Pollution Control (Installation of APCD)</td> <td>200.0</td> <td>10.0</td> </tr> </tbody> </table>	S.No	Title	Capital Cost Rs. Lakh	Recurring Cost Rs. Lakh	1	Pollution Control during construction stage	5.0	2.0	2.	Air Pollution Control (Installation of APCD)	200.0	10.0
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1	Pollution Control during construction stage	5.0	2.0										
2.	Air Pollution Control (Installation of APCD)	200.0	10.0										

S. No	EC Conditions			
	3.	Water Pollution Control/ STP up-gradation	20.0	0.50
	4.	Noise Pollution Control	4.0	0.50
	5.	Green Belt Development	10.53	10.53
	6.	Solid Waste Management	10.0	1.0
	7.	Occupational Health, Safety and Risk Management	5.0	1.0
	8.	Energy Conservation	3.0	1.0
	9.	RWH	10.0	2.0
	10.	Miscellaneous	2.0	--
		Total	269.53	28.53
	Table- 2 Additional Management Activities:			
	Sr. No.	Activities	Amount (Rs. In Lakhs)	
	1.	Replacement of SUP with Jute Bags and distribution with the help of District Administration, Ludhiana.	7	
	2.	Deposition of funds under Greening Punjab Mission through concerned DFO	25	
		Total	32	
	The project proponent shall undertake EMP as per Table1 and AEA activities as per Table- 2 above. The activities mentioned in the AEA plan shall be completed within 18 months			
10.4	The entire cost of the environmental management plan will continue to be borne by the project proponent throughout the life of the Project			
10.5	Year-wise progress of implementation of the action plan shall be reported to the Ministry/Regional Office along with the Six-monthly Compliance Reports			
10.6	The self-environmental audit shall be conducted annually. Every three years third-party environmental audit shall be carried out			
10.7	All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the plants shall be implemented			

11. Miscellaneous

S. No	EC Conditions
11.1	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition, this shall also be displayed in the project proponent's website permanently
11.2	The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the

S. No	EC Conditions
	Government who in turn has to display the same for 30 days from the date of receipt
11.3	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on a half-yearly basis
11.4	The project proponent shall monitor the criteria pollutants level namely; PM ₁₀ , SO ₂ , NO _x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company
11.5	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the Ministry of Environment, Forest and Climate Change at the environment clearance portal
11.6	The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company
11.7	The project proponent shall inform the Regional Office of the Ministry and PPCB, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and the start of production operation by the project
11.8	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government
11.9	The project proponent shall abide by all the commitments and recommendations made in the EIA /EMP report, commitments made during Public Hearing and also that during their presentation to the SEAC and SEIAA
11.10	No further expansion or modifications in the project shall be carried out other than those permitted in this EC without prior approval of SEIAA. In case of deviation or alterations in the project proposal from those submitted to the Ministry/SEIAA for clearance, a fresh reference shall be made to the Ministry/SEIAA, as applicable, to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any
11.11	The Regional Office, MoEF&CC, Chandigarh, Punjab Pollution Control Board and SEIAA/ SEAC members nominated for the purpose shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer(s) entrusted with this monitoring by furnishing the requisite data/ information/monitoring reports