

**GOVERNMENT OF INDIA
MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE
(IA DIVISION-INDUSTRY-2 SECTOR)**

Dated: 07.02.2024

**Meeting ID: IA/IND2/13581/31/01/2024
MINUTES OF MEETING OF THE EXPERT APPRAISAL COMMITTEE
(INDUSTRY-2 SECTOR PROJECTS)
HELD ON 31st January, 2024**

**Venue: Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi-110003
through Video Conferencing (VC)**

(i) Opening Remarks by the Chairman: The Chairman made hearty welcome to the Committee members and appreciated the efforts of the Committee. After opening remarks, the Chairman opened the EAC meeting for further deliberations.

(ii) Confirmation of minutes: The EAC, having taken note that final minutes were issued after incorporating comments received from the EAC members on the minutes of its Meeting (ID: IA/IND2/13577/09/01/2024) held on 09th January, 2024 conducted through Video Conferencing (VC), confirmed the same.

(iii) Member Secretary informed the Members of the EAC that they may declare their conflict of interest before appraisal of any proposal and recuse from the meeting and the same shall be explicitly recorded in the Minutes of the meeting. Further, it was also informed that in case it is revealed later that in spite of the conflict of interest the Member had participated in the appraisal of the proposal, the responsibility for the same lies with the concerned Member and it may result in removal from the membership of EAC. After welcoming the Committee Members, discussion on each of the agenda items was taken up ad-seriatim.

(iii) Details of the proposals considered during the meeting conducted through Video Conferencing (VC), deliberations made and the recommendations of the Committee are explained in the respective agenda items as under: -

31st January, 2024 (Wednesday)

Agenda No. 01

Proposed 50 KLPD Grain Based Distillery for production of Fuel Ethanol along with 1.25 MW Captive Power Plant from Waste / Damaged Grains located at Sy. No. 453/AA, 453/1, 453/3, 453/4; Penpahad (V&M), Suryapet District, Telangana by M/s. Amtaar Chemicals Private Limited - Consideration of Environmental Clearance.

[IA/TG/IND2/436974/2023, IA-J-11011/275/2023-IA-II(I)]

The proposal was earlier considered by the EAC (Ind-2) in its meeting held during 04th October, 2023 and 21st November, 2023 wherein EAC deferred the proposal and desired certain requisite information / inputs. Information desired by the EAC and responses submitted by the project proponent are as under:

Sl. No.	ADS by MoEF&CC	Reply of PP
(i)	EAC noted that PP has submitted Air quality modelling for proposed project only with respect to PM. PP shall submit Air quality modelling study for point source emissions indicating maximum incremental GLCs after the proposed project with Respect to PM10, PM2.5, SO2 and NOx.	Air quality modelling for proposed project has been carried out and GLC for PM10, PM2.5, SO ₂ and NO _x has been calculated. AAQ modelling study for point source emissions indicate that the maximum incremental GLC after the implementation of the proposed project would be 0.51 µg/m ³ with respect to PM10 and 0.20 µg/m ³ with respect to PM2.5 at a distance of 0.3 km in NE

Sl. No.	ADS by MoEF&CC	Reply of PP
		direction, 1.34 $\mu\text{g}/\text{m}^3$ with respect to SO_2 and 1.34 $\mu\text{g}/\text{m}^3$ with respect to NO_x at a distance of 0.5 km in WNW direction. The resultant concentrations are within the National Ambient Air Quality Standards (NAAQS).
(ii)	PP has submitted risk assessment considering the storage capacity of ethanol only for one day. Therefore, PP shall submit risk assessment based on proposed storage capacity of ethanol tanks (i.e one week or two weeks) for the plant and determine potential threat.	<p>M/s Amtaar Chemicals Private Limited proposes to set up 50 KLPD grain-based distillery for production of Fuel Ethanol along with 1.25 MW Captive Power Plant, 22 TPD CO_2 (by-product) and 22 TPD DDGS (Cattle Feed) from Waste / Damaged Grains.</p> <p>In the proposed Project only one tank of capacity 50 KL is considered for one day storage of Ethanol. It may be noted that the PP is supposed to manufacture 50 KLD of Ethanol as the same will be lifted by the Oil Refinery / Oil Company as soon as it is ready on a daily basis. So, at any point of time 50 KL of ethanol will remain as stored inside the plant. The PP has accordingly conducted the risk assessment based on the proposition of the project. Plant layout also has been accordingly designed. The risk assessment for one day 50 KL storage of Ethanol has been submitted.</p>
(iii)	Risk of leakage from the connecting pipeline and valves need to be submitted.	Risk of leakage from the connecting pipeline and valves has been submitted.
(iv)	PP shall ensure that potential threat zone for Thermal Radiation Intensity for Greater $2 \text{ kW}/\text{m}^2$ is confined within the boundary.	The potential threat zone due to Ethanol burning (50 KL storage) has been estimated for thermal radiation intensity of $2 \text{ KW}/\text{m}^2$, is found to be 42 m from the location of storage tank. This distance does not exceed the plant boundary. Thus, PP is ensuring that thermal radiation intensity up to $2 \text{ KW}/\text{m}^2$ will be restricted within the project premises.

Sl. No.	ADS by MoEF&CC	Reply of PP
		To add further, PP is arranging a thick greenbelt all around the boundary of the project site and a tall boundary wall to prevent the exit of any heat radiation from the project site.
(v)	The green belt area has been reduced to 1.42 Ha from 1.74 Ha. as presented to the Committee on on 04/10/2023. PP informed that no tree cutting shall be done, but while presentation it was informed that trees will be cut for laying of road within the plant area. Accordingly, PP shall submit details of the trees to be cut w.r.t their number, species, girth or height were made available and also submit revised EMP.	To facilitate the construction of the road, 40 nos. of trees need to be transplanted. These trees will be subsequently planted along the project site's boundary and parking areas. No trees shall be cut. Due to reorientation of the units to avoid cutting of trees, open spaces at a stretch was reduced and therefore, there has been a slight reduction in greenbelt area as pointed out by the Honourable Committee. Revised layout and details of the trees to transplanted were submitted.
(vi)	PP was suggested to revise the extended EMP, incorporating monitorable targets for the activities specified. The extended EMP submitted is same as that presented to the Committee on on 04/10/2023. PP shall revise the same.	Revised EMP incorporating monitorable targets for the activities specified has been submitted.
(vii)	Land for the proposed site is on the name of an individual which shall be transferred in the name of M/s. Amtaar Chemicals Private Limited.	Land document in the name of M/s. Amtaar Chemicals Private Limited has been submitted.

It has been informed to EAC that PP has requested to prepone the appraisal to 30.01.2024. EAC agreed to it.

During deliberations EAC discussed the following issues:

- EAC suggested that only biomass shall be used as a fuel for the proposed boiler. Coal shall not be used. PP agreed to it.
- EAC suggested to increase the stack height to 60 m. PP agreed to it.

- PP has informed that there shall be only one day of ethanol storage (50 KLPD) as the Industry shall supply the entire ethanol produced to M/s. HPCL on daily basis.

The committee was satisfied with the response provided by PP on above information. Further, Committee desired to submit the above information in writing. Accordingly, PP has submitted the desired information and EAC found the information/commitments satisfactory.

The Project Proponent and the accredited Consultant M/s. Envirotech East Pvt. Ltd. (NABET certificate no. NABET/EIA/2225/RA 0279 and validity upto 12th September, 2025) made a detailed presentation on the salient features of the project and informed that the proposal is for environmental clearance of 50 KLPD Grain Based Distillery for production of Fuel Ethanol along with 1.25 MW Captive Power Plant from Waste / Damaged Grains under Ethanol Blending Programme (EBP) located at Sy. No. 453/AA, 453/1, 453/3, 453/4, Penpahad (Village & Mandal), Suryapet (District), Telangana – 508213 by M/s. Amtaar Chemicals Private Limited.

As per the MoEF&CC Notification S.O. 2339(E), dated 16th June, 2021, a special provision in the EIA Notification, 2006-(Schedule 5 (ga), Category B2) is made, wherein for all applications made for Grain based distilleries with Zero Liquid Discharge producing ethanol; solely to be used for Ethanol Blended Petrol Programme of the Government of India shall be considered under B2 Category and appraised at Central Level by Expert Appraisal Committee (EAC) with condition that the project proponent shall file a notarized affidavit that ethanol produced from proposed project shall be used completely for EBP Programme.

The details of products and capacity as under:

S.No.	Name of unit	Name of Product / by-product	Production Capacity
1	Distillery (Grain Based)	Ethanol	50 KLPD
2	Co-generation power plant	Power	1.25 MW
3	DWGS dryer	DDGS	22 TPD
4	Fermentation unit	CO ₂	22 TPD

Standard ToR and Public Hearing is not applicable as the project falls under category B2 as per OM dated 16th June, 2021. It was informed that there is no litigation pending against the project.

Total land area required is 4.07 hectares. Greenbelt will be developed in total area of 1.74 hectares i.e., 42.7% of total project area. The estimated project cost is Rs. 66.2 Crores. Capital cost of EMP would be Rs. 21.17 Crores and recurring cost for EMP would be Rs. 1.265 Crores per annum. Industry proposes to allocate Rs. 0.63 Crores towards Extended EMP (Corporate Environment Responsibility). Total Employment will be 25 persons as direct & indirect.

There are no national parks, wildlife sanctuaries, Biosphere Reserves, Tiger / Elephant Reserves, Wildlife Corridors etc. within 10 km distance. There are no Reserve forests / protected forests within 10 km distance. Musi River is at a distance of 8.7 km towards West from the project site.

AAQ modelling study for point source emissions indicate that the maximum incremental GLC after the implementation of the proposed project would be 0.51 $\mu\text{g}/\text{m}^3$ with respect to PM10 and 0.20 $\mu\text{g}/\text{m}^3$ with respect to PM2.5 at a distance of 0.3 km in NE direction, 1.34 $\mu\text{g}/\text{m}^3$ with respect to SO₂ and 1.34 $\mu\text{g}/\text{m}^3$ with respect to NO_x at a distance of 0.5 km in WNW direction. The resultant concentrations are within the National Ambient Air Quality Standards (NAAQS).

Total fresh water requirement will be 225 KLD which will be met from Irrigation canal. Application has been submitted to Telangana State Industrial Project Approval & Self Certification System (TS-iPASS), Government of Telangana on 28th April, 2023. Effluent (Condensate / spent lees / blowdown etc.) of 210 KLD quantity will be treated through Condensate Polishing Unit / Effluent Treatment Plant of capacity 230 KLD. Raw stillage (340 KLPD: quantity of raw spent wash from distillation) will be sent to decanter followed by MEE and dryer to produce DDGS. STP of capacity 10 KLPD will be installed to treat sewage generated from factory premises. The plant will be based on Zero Liquid discharge system and no effluent / treated water will be discharged outside factory premises.

Power requirement will be 1000 KW and will be met from proposed 1.25 MW co-generation power plant and the balance shall be sourced from State grid.

'Technical feasibility' for power requirement from Southern Power Distribution Company of Telangana Limited has been obtained vide letter no. 2154 dated 20/07/2023. 15 TPH rice husk fired boiler will be installed. ESP with a stack height of 60 m will be installed for controlling the particulate emissions within the statutory limit of 50 mg/Nm³ for the proposed boiler. 500 kVA DG set will be used as standby during power failure and stack height (14 m) will be provided as per CPCB norms to the proposed DG sets.

Details of Process emissions generation and its management:

- ESP with a stack height of 30 meters will be installed for controlling the particulate matter emissions.
- Online Continuous Emission Monitoring System will be installed with the stack and data will be transmitted to CPCB / SPCB servers.
- CO₂ (22 TPD) generated during the fermentation process will be collected by utilizing CO₂ scrubbers and it shall be sold to authorized vendors / collected in proposed bottling plant.

Details of solid waste/Hazardous waste generation and its management:

- DDGS (Distilled Dried Grains Stillage) (7260 TPA) will be sold as cattle feed.
- Boiler ash (4060 TPA) shall be sold to brick manufactures and used in land filling.
- ETP sludge - 300 TPA generated shall be used as manure.
- Municipal Solid Waste - 3.7 TPA shall be disposed off through the local Civic body.

As per Notification S.O 2339(E), dated 16th June, 2021, PP has submitted self- certification in the form of notarized affidavit declaring that the proposed capacity of 50 KLPD will be used for manufacturing fuel ethanol only.

Total land of 4.07 Hectares is under possession of the company and land use conversion has been completed vide letter dated 02.03.2023. EAC found the information satisfactory.

Capital cost and recurring cost of EMP are given below:

S.No.	Particulars	Capital cost (Rs. in Lakhs)
Capital expenses		
1.	Standalone Multi Effect Evaporator (Civil + Machinery)	550.00
2.	CO2 plant (including civil)	405.50
3.	Dryer (Machinery + civil and structural)	285.00
4.	Treatment units for condensate and other effluent (Civil + Machinery)	220.00
5.	Spent wash storage tanks, condensate storage tank, Shed for spent wash powder	229.00
6.	Wet scrubber	35.00
7.	Electrostatic Precipitator	150.00
8.	Fuel and Ash handling system	50.00
9.	Fugitive dust control	05.00
10.	Firefighting equipment and other	70.00
11.	Environmental monitoring (Continuous monitoring system, etc), Carbon and water footprint monitoring	45.00
12.	Greenbelt development / Tree plantation	10.00
13.	Laboratory shed and its glassware, equipment, etc.	27.50
14.	DG set (As a backup -including pollution control devices)	15.00
15.	Rainwater harvesting scheme	15.00
	Miscellaneous (Piezometric well, etc.)	05.00
	TOTAL	2117.00

Recurring Expenses / Annum		
Sl. No.	Items	Cost (in Lakhs)
1	Air Pollution Control Systems	50.0
2	Water conservation & Pollution Control	25.0
3	Solid Waste Management System	15.5
4	Green belt	7.0
5	Noise Reduction Systems	3.0
6	Occupational Health Management	3.0
7	Risk Mitigation & Safety Plan	13.5
8	Environmental Management Department	9.5
	GRAND TOTAL	126.5

Details of CER with proposed activities and budgetary allocation:

CER activity head	Budgetary provision (Rs. in lakhs)
Renovation & repairing of school building in the Seetharampuram primary school, Macharam primary	15

school and Mahammadapuram upper primary school	
Supplying desks, benches, chairs, blackboards, development of library, providing books and sports goods to the students of Penpahad and Gajula malkapuram Zilla Prajaparishad High Schools	13
Health check-up or medical camp for locals at Penpahad, Macharam, Mahammadapuram, Seethampuram and Gajula malkapuram villages (Rs. 4 lakhs / camp)	20
Provision of Solar street lights (15 nos.) in each of the surrounding villages i.e. Penpahad, Macharam, Mahammadapuram, Seethampuram and Gajula malkapuram (10 nos. Solar lights x 5 villages @ Rs. 20,000 each)	15
All proposed activities in CER shall be completed before commencement of operation phase of the project	63

The EAC, constituted under the provision of the EIA Notification, 2006 and comprising of Experts Members/domain experts in various fields, have examined the proposal submitted by the Project Proponent in desired form along with the EMP report prepared and submitted by the Consultant accredited by the QCI/ NABET on behalf of the Project Proponent. The EAC noted that the Project Proponent has given 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 data/information submitted is found to be false/ misleading at any stage, the project will be rejected and Environmental Clearance given, if any, will be revoked at the risk and cost of the project proponent.

The Committee noted that the EMP report is in compliance of the PFR. The Committee deliberated on the CER plan and found to be addressing the issues in the study area. The EAC has deliberated the proposal and has made due diligence in the process as notified under the provisions of the EIA Notification, 2006, as amended from time to time and accordingly made the recommendations to the proposal. The Experts Members of the EAC have found the proposal in order and have **recommended** for grant of environmental clearance.

The environmental clearance granted to the project/activity is strictly under the provisions of the EIA Notification 2006 and its amendments. It does not tantamount/construe to approvals/consent/ permissions etc. required to be obtained or standards/conditions to be followed under any other Acts/ Rules/ Subordinate legislations, etc., as may be applicable to the project. The project proponent shall obtain necessary permission as mandated under the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981, as applicable from time to time, from the State Pollution Control Board, prior to construction & operation of the project.

The EAC, after detailed deliberations, **recommended** the project for grant of environmental clearance, subject to compliance of terms and conditions as under, and general terms of conditions at Annexure: -

1.As per the Notification S.O. 2339(E), dated 16th June, 2021, project falls in category B2 and the proposed capacity of 50 KLPD shall only be used for fuel ethanol manufacturing as per self-certification in form of a notarized affidavit by the Project Proponent. Provided that subsequently if it is found that the ethanol, produced based on the EC granted as per this dispensation, is not being used completely for EBP Programme, or if ethanol is not being produced, or if the said distillery is not fulfilling the requirements based on which the project has been appraised as category B2 project, the EC shall stand cancelled.

2.The company shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented.

3.EC granted for a project on the basis of the submitted documents shall become invalid in case the actual land for the project site turns out to be different from the land considered at the time of appraisal of project. Conversion of land use (CLU) certificate shall be obtained before start of construction activities.

4.NOC from the Concerned Local authority shall be obtained before start of the construction of plant and drawing water from surface Water. State

Pollution Control Board shall not issue the Consent to Operate (CTO) under Air (Prevention and Control of Pollution) Act and Water (Prevention and Control of Pollution) Act till the project proponent shall obtain such permission. No ground water shall be used for the plant operations.

5.Total Fresh water requirement shall not exceed 225 m³/day which will be met from Irrigation canal. No ground water recharge shall be permitted within the premises. Industry shall construct a rain water storage pond of 60 days capacity and the accumulated water to be used as fresh water thereby reducing fresh water consumption.

6.Spent Wash/stillage shall be sent to the decanter followed by the Multiple Effect Evaporator and dryer to form DDGS. DDGS to be used as cattle feed. The MEE & Drier condensate, spent lees, WTP Rejects, Boiler & Cooling tower blowdowns, washings etc., shall be treated in the 'Condensate Polishing Unit' (CPU). STP shall be installed to treat domestic wastewater. The plant will be based on 'Zero Liquid Discharge' system and no effluent/treated water will be discharged outside factory premises.

7. ESP (5 field) with 60 meters high stack shall be installed with the 15 TPH Rice husk fired boiler for controlling the particulate matter emissions within the statutory limit of 50 mg/Nm³. SO₂ and NO_x emissions shall be less than 100 mg/Nm³. Coal shall not be used as fuel for proposed boiler. At no time, the emission levels shall exceed the prescribed standards. In the event of failure of any pollution control system adopted by the unit, the respective unit shall not be restarted until the control measures are rectified to achieve the desired efficiency. Performance assessment of pollution control devices/ systems will be conducted annually.

8. Boiler ash (4060 TPA) shall be sold to brick manufactures and used in land filling. PP shall install 15% of the total power requirement in the form of solar power inside plant premises/adjacent/nearby areas.

9.CO₂ (22 TPD) generated during the fermentation process will be collected by utilizing CO₂ scrubbers and it shall be sold to authorized vendors / collected in proposed bottling plant.

10.PP shall allocate at least Rs. 0.5 Crore as a capital cost and Rs. 0.03 crore/annum as recurring cost for Occupational Health Safety. Occupational

Health Centre for surveillance of the worker's health shall be set up. The health data shall be used in deploying the duties of the workers. All workers & employees shall be provided with required safety kits/mask for personal protection.

11. Training shall be imparted to all employees on safety and health aspects of chemicals handling. Safety and visual reality training shall be provided to employees.

12. The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire fighting system shall be as per the norms. PESO certificate shall be obtained. Location of ethanol storage tanks shall be placed in such a way that in the event of any fire, accident, explosion or any unforeseen conditions the impact of such event should not go beyond the boundary of the plant i.e. the risk should be tolerable (acceptable) at the boundary. As proposed, ethanol storage capacity of the Industry shall not exceed 50 KLPD.

13. Company shall maintain an Emergency Response Decision support system in such a way so that identification of the detector's network for the location of the leak source and the probable leaked quantity in real-time, followed by modelling of the dispersion of the plume and consequences as forecast is done in advance and thus, no leak accident may go unattended. Accordingly, Risk Mitigation plan shall be in place.

14. Company shall determine the distance of fire hydrant while finalizing its location from ethanol storage tanks or any other hazardous storage substance shall be based on dispersion of Thermal Radiation so that during any unforeseen situation fire hydrant is always available to operate manually.

15. Process organic residue and spent carbon, if any, shall be sent to Cement and other suitable industries for its incinerations. ETP sludge, process inorganic & evaporation salt shall be disposed of to the TSDF.

16. The company shall undertake waste minimization measures as below
(a) Metering and control of quantities of active ingredients to minimize waste; (b) Reuse of by-products from the process as raw materials or as raw material substitutes in other processes. (c) Use of automated filling to

minimize spillage. (d) Use of Close Feed system into batch reactors. (e) Venting equipment through vapour recovery system. (f) Use of high pressure hoses for equipment clearing to reduce wastewater generation.

17.The green belt of at least 5-10 m width shall be developed in nearly 1.74 hectares i.e., 42.7 % of the total project area with tree density @ 2500 trees per hectares, mainly along the plant periphery. Indigenous species shall only be developed as part of greenbelt and non-indigenous / alien species shall be replaced with native species. No invasive or alien or non-native tree species shall be selected for plantation. PP shall develop at least 20 variety of species as a part of greenbelt. Saplings 4-6 feet high shall be planted. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department and native species shall be developed. Records of tree canopy shall be monitored through remote sensing map. Greenbelt development shall be completed before commissioning of the plant.

18.PP proposed to allocate Rs. 0.63 Crores towards Extended EMP (CER) which shall be spent as submitted in CER plan. Further, all the proposed activities under CER shall be completed before the commissioning of the plant in consultation with District Administration.

19.There shall be adequate space inside the plant premises earmarked for parking of vehicles for raw materials and finished products and no parking to be allowed outside on public places. Out of the total project area, 15% shall be allotted solely for parking purposes with facilities like rest rooms etc.

20.Storage of raw materials shall be either in silos or in covered areas to prevent dust pollution and other fugitive emissions. All stockpiles should be constructed over impervious soil and garland drains with catch pits to trap runoff material shall be provided. Biomass shall be stored in covered sheds and wind breaking walls/curtains shall be provided around biomass storage area to prevent its suspension during high wind speed. All Internal roads shall be paved. Industrial vacuum cleaner shall be provided to sweep the internal roads. The Air Pollution Control System shall be interlocked with process plant/machinery for shutdown in case of operational failure of Air Pollution Control Equipment.

21. Continuous online (24x7) monitoring system for stack emissions/effluent shall be installed for measurement of flue gas discharge and the pollutants concentration, and the data to be transmitted to the CPCB and SPCB server. For online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises.

22. A separate Environmental Management Cell (having qualified person with Environmental Science/Environmental Engineering/specialization in the project area) equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions. EMC head shall report directly to Head of Organization/ Director/CEO as per company hierarchy.

23. PP shall sensitize and create awareness among the people working within the project area as well as its surrounding area on the ban of Single Use Plastic in order to ensure the compliance of Notification published by MOEFCC on 12th August, 2021. A report along with photographs on the measures taken shall also be included in the six-monthly compliance report being submitted to concerned authority.

GENERAL CONDITIONS FOR ENVIRONMENTAL CLEARANCE

- (i) No further expansion or modifications in the plant, other than mentioned in the EIA Notification, 2006 and its amendments, shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change/SEIAA, as applicable. In case of deviations or alterations in the project proposal from those submitted to this Ministry 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.
- (ii) The energy source for lighting purpose shall be preferably LED based, or advanced having preference in energy conservation and environment betterment.
- (iii) The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under the Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).
- (iv) The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. CER activities shall be undertaken by involving local villages and administration and shall be implemented. The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.
- (v) The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment, Forest and Climate Change as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management/ pollution control measures shall not be diverted for any other purpose.
- (vi) A copy of the clearance letter shall be sent by the project 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.

- (vii) The project proponent shall also 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 respective Regional Office of MoEF&CC, the respective Zonal Office of CPCB and SPCB. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of the company.
- (viii) The environmental statement for each financial year ending 31st March in Form-V as is mandated shall be submitted 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 respective Regional Offices of MoEF&CC by e-mail.
- (ix) The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry and at <https://parivesh.nic.in/>. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.
- (x) The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.
- (xi) This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.

List of the Expert Appraisal Committee (Industry-2) members participated during Video Conferencing (VC) meeting

S. No.	Name and Address	Position
1.	Shri S. C. Mann	Chairman
2.	Dr. J. S. Sharma	Member
3.	Prof. Y. V. Rami Reddy	Member
4.	Dr. Onkar Nath Tiwari	Member
5.	Shri. J.S. Kamyotra	Member
6.	Dr. Rahul Ramesh Rao Mungikar	Member
7.	Dr. Sanjay V. Patil	Member
8.	Dr. Seshagiri Rao Ambati (One day on 30.01.2024)	Member
9.	Dr. Vimal Kumar Hatwal, Scientist 'E	Member Secretary
MoEFCC		
10.	Dr. Mahendra Phulwaria	Scientist 'C'
11.	Mr. Kanaka Teja	Research Assistant
