

**GOVERNMENT OF INDIA
MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE
(IA DIVISION-INDUSTRY-3 SECTOR)**

Dated: 25.3.2024

MINUTES OF THE 77th EXPERT APPRAISAL COMMITTEE (INDUSTRY-3 SECTOR) MEETING HELD ON 13th MARCH, 2024

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

Time: 10:30 AM onwards

(i) Opening Remarks by the Chairman

Prof. (Dr.) A.B. Pandit, Chairman welcomed the Committee members and opened the EAC meeting for further deliberations.

(ii) Details of Agenda items by the Member Secretary

The Member Secretary then apprised the Committee about the details of Agenda items to be discussed during this Expert Appraisal Committee (EAC) meeting.

(iii) Confirmation of Minutes of the 76th EAC Meeting held on 28th February, 2024.

The EAC noted that the final minutes of the above meeting were issued after incorporating the comments offered by the members and approved by the Chairman.

Parivesh 1.0

Agenda No. 77.1

Proposed Expansion of Synthetic Organic Chemicals (API and Intermediates) Manufacturing Unit upto the Production Capacity of 34 MT/Month located at Plot No. B-40, MIDC Paithan, Taluka Paithan, District Aurangabad, Maharashtra by M/s Satellite Pharmaceuticals Pvt. Ltd. - Reconsideration of Environmental Clearance

[Proposal No. IA/MH/IND3/419096/2023; File No. IA-J-11011/505/2021-IA-II(I)]

1. The proposal is for the environmental clearance for proposed expansion of Synthetic Organic Chemical (API and Intermediates) Manufacturing Unit upto the Production Capacity of 34 MT/Month located at Plot No.: B-40, MIDC Paithan, Taluka-Paithan, District Aurangabad, Maharashtra by M/s Satellite Pharmaceuticals Pvt. Ltd.

2. The project/activity is covered under Category 'B' of item 5(f), Synthetic organic chemicals industry of Schedule of EIA Notification, 2006 (as amended). However, since the proposed project site is at a distance of 2.9. km from ESZ of Jaikwadi Bird Sanctuary, the project attracts the general condition and considered as Category 'A' at Central level.
3. The ToR was issued by Ministry vide letter no. No. IA-J-11011/505/2021-IA-II (I) dated 02.02.2022. The PP applied for Environment Clearance in the Common Application Form and submitted EIA/EMP Report and other documents. The PP in the Form reported that it is an **Expansion case. The proposal was placed in 60th EAC meeting on 10th August, 2023 and 74th EAC held on 6th February, 2024** , in which EAC deferred the proposal, now the proposal is placed in the 77th EAC meeting held on 13th March, 2024 wherein the PP along with accredited Consultant, Building Environment (India) Pvt. Ltd [Accreditation number NABET/EIA/2225/RA 0267_Rev 01 Valid till 27.05.2025] made a detailed presentation on the salient features of the project. The information submitted by the PP is as follows:
4. The PP reported that the existing land area is 6,840 m² land, no additional land is required for the proposed expansion, no R& R is involved in the Project. The details of products to be manufactured are as follows:

S. NO	Product name	Quantity/Month	Application
Existing			
1	Sodium Chloride	11 MT	Formulation preparation
2	Ammonium Chloride	11 MT	Pharmaceutical preparations
3	Potassium Chloride	11 MT	Medical application, Synthesis of Nucleic acid
Total		33 MT	
The existing products will be discontinued			
Proposed			
1	Benzhydrol	8 MT	Intermediate for Modafinil and Citrazine Hydrochloride.
2	2-Phenyl-1H-Benzimidazole-5-Sulphonic Acid	2 MT	Intermediate for Sunscreen

3	Cinnamyl alcohol	2 MT	Intermediate for Cinnacalsate
4	Diethyl Amine-2-Hydroxy Benzoate	2 MT	API- Analgic Muscular/ joint pain
5	4-Methoxy Phenyl Acetone	10 MT	Food Additive
6	4-Hydroxy Benzyl Alcohol	3 MT;	Precursor for synthesis of copolyoxalate nanaoparticles as potential drug delivery system
7	Chlorsulon Intermediate	3.50 MT	Intermediate for API Chlorsulon [Veterinary API]
8	Nitroxinil Intermediate	3.50 MT	Intermediate for API Nitroxinyl [Verteniary API]
Total		34 MT	

5. The PP reported that there is no violation case as per the Notification No. S.O. 804(E) dated 14.03.2017 and no direction is issued under E (P) Act/Air Act/Water Act.
6. The PP reported that Satellite Pharmaceuticals Pvt. Ltd. (SPPL) started operation in 1993 as an inorganic chemical industry located at Plot No. B-40, MIDC Paithan, District-Aurangabad, Maharashtra. Since production of inorganic compounds are not in purview of EIA Notification 2006, Environment Clearance was not required for production for existing inorganic products.
7. The PP reported that there is Jayakwadi Bird Sanctuary at distance of 2.9 km from project site. A distance certificate from Divisional Forest Officer, Aurangabad has been received on dated 31st March, 2021. The ESZ of Jayakwadi Bird Sanctuary is notified vide Notification No SO-2202E dated 22nd July, 2017. Godavari River (Jaikwadi Dam Backwater) – 1.5 km in West direction. There is no forest land involved in the proposed project. Brahminy Kite-Haliaetus indus, Western Marsh Harrier-Circus aeruginosus, Steppe Eagle-Aquila nipalensis and Osprey-Pandion haliaetus Schedule-I species are found are in the study area for which conservation plan has been prepared and submitted.
8. The PP reported that **Ambient air quality monitoring** was carried out at 8 locations during 01st March to 31st May-2022 to and the baseline data indicate the ranges of concentrations as: PM₁₀

(56.30 -73.37 $\mu\text{g}/\text{m}^3$), $\text{PM}_{2.5}$ (27.26- 36.62 $\mu\text{g}/\text{m}^3$), SO_2 (20.96-29.96 $\mu\text{g}/\text{m}^3$) and NO_2 (25.14-39.68 $\mu\text{g}/\text{m}^3$). AAQ modeling study for point source emissions indicate that the maximum GLC after the proposed project would be 5.6 $\mu\text{g}/\text{m}^3$ and 4.7 $\mu\text{g}/\text{m}^3$ with respect to PM_{10} , and SO_2 . The resultant concentrations are within the National Ambient Air Quality Standards (NAAQS).

9. The PP reported that the total water requirement is 48.453 m^3/day of which fresh water requirement of 27 m^3/day will be met from MIDC water supply and remaining water supply will be met from Recycled Water. Total effluent generated will be 10.30 KLD which will be treated in ETP of capacity 20 CMD. 17 CMD excess treated water will be sent to Waluj CETP for further treatment and disposal

10. The PP reported that the power requirement is as-

Connected Load	187 KVA
Total Demand Load	95 KVA
Solar Panel	50 KW Solar Panels will be installed on site for additional power back up
Source	MSEDCL

11. Details of Process Emissions Generation and its Management:

Sr. No	Name of the Product	Name of the Gas	Emission kg/Day	Emission Rate kg/Hr	Disposal Method
1	Methoxy Phenyl Acetone	CO_2	8.295	1.036	Scrubbed with chilled water and caustic solution
2	Chlosulon Intermediate	HCl	106.15	8.845	Scrubbed with chilled water and caustic solution
3	Nitrixinil Intermediate	NO	24.15	2.415	Scrubbed with chilled water and caustic solution.
Stack No	Attached to	APCM	Stack Height	Parameters	Permissible Limit
1	Scrubber Process	Catch pot with packed column with water supply	10m	Acid Mist, NH_3 , CO_2	<35 ppm

2	Laboratory Fume cupboard	Catch pot packed column with water/Alkali supply	10m	SO ₂ , HCL,	<35 ppm
3	Reactor Process	Catch pot with packed column	15m	HCl, SO ₂ , CO ₂	<35 PPM
4	Process Reactor	Catch pot with packed column	15 m	NH ₃ ,CO ₂	< 35PPM.

12. Details of Solid Waste/ Hazardous Waste Generation and its Management:

S.No	Description	Schedule No	UOM	Frequency	Quantity	Disposal
i.	Wastes or Residues containing oil	5.2	Kg	Month	50	CHWTSDF
ii.	Organic Residues from process	4.4	Kg	Day	38.60	CHWTSDF
iii.	Distillation residues	20.3	Kg	Day	94.653	CHWTSDF
iv.	Spent Solvent	23.2	Kg	Day	97.6	Sale to authorized Recycler/ CHWTSDF
v.	Off specification products	28.4	Kg	Month	50	CHWTSDF
vi.	Spent acids	29.6	Kg	Day	521.53	Sale to authorized Recycler/ CHWTSDF
vii.	Empty Barrels / containers/ liners contaminated with hazardous chemicals / wastes	33.1	No	Month	100	Sale to authorized Recycler/ CHWTSDF
viii.	Chemical sludge from waste water treatment	35.3	Kg	Day	250	CHWTSDF

13. The Budget earmarked towards the Environmental Management Plan (EMP) is ₹ 175 Lakhs (capital) and the Recurring Cost (operation and maintenance) will be about ₹ 30 Lakhs/annum. Industry proposes to allocate Rs. 5.3 Lakhs towards Corporate Social Responsibility.
14. Industry has already developed / will develop greenbelt over an area of 33 % i.e., 2257.21 sq.m. out of total area of the project.
15. The PP reported that the Public Hearing is exempted as per the Para 7.III. Stage (3) (i) (b) of the EIA Notification, 2006 as the project site is located within MIDC Paithan which is declared as notified industrial area in the year 1976.
16. The PP proposed to set up an Environment Management Cell (EMC) by engaging Managing Director- Director operation- Plant manager- EHS Manager- General Manager- Supervisor- Chemist- Worker (safety)- worker (Environment) for the functioning of EMC.
17. The PP submitted the Disaster Management Plan and On-site and Off-site Emergency Plans in the EIA report.
18. The estimated proposed project cost is Rs 5.3 Crores. Total Employment will be 25 persons as after expansion.
19. The Proposal was considered in the **74th EAC Meeting held on 6th FEBRUARY, 2024** wherein the EAC deferred the proposal for want of requisite information. Reply to the same was submitted by the PP vide letter 4.3.2024 which is as follows:

S. No.	Queries Raised by EAC	Reply by PP
(i)	Satellite Pharmaceuticals Pvt. Ltd. (SPPL) started its operation in 1993 as an inorganic chemical industry located at Plot No. B-40, MIDC Paithan, District-Aurangabad, Maharashtra. PP engaged in manufacturing of 3 inorganic chemicals - Sodium Chloride, Ammonium Chloride & Potassium Chloride. Since production of inorganic compounds are not in purview of EIA Notification 2006, Environment Clearance was not required for production of existing inorganic products. The Committee noted that PP has not submitted the Certified compliance report issued by MPCB for the existing CTO. Accordingly, the committee suggested that PP shall submit the CCR highlighting compliance of each condition in the letter head of RO, MPCB.	The certified compliance to the condition to CTO has been obtained by MPCB vide letter dated 28.2.2024 in which all conditions are complied.

(ii)	PP presented that industrial effluent will be segregated into Low TDS/COD and High TDS/COD effluent streams. Low TDS/COD effluent stream will be treated in the ETP comprising primary , secondary and tertiary treatment including RO. High TDS/COD will be treated through solvent stripper followed by Evaporator. Sewage will be treated in the STP. No effluent/treated water will be discharged outside the premises and ZLD will be followed. The Committee suggested to submit the same in writing.	The Committee suggested to revise the water balance to achieve ZLD.
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20. Deliberations by the EAC

EAC discussed the following issues :

- i. PP submitted the revised water balance chart. Total water requirement is 48 m³/day. Out of which fresh water requirement of 28 m³/day will be met from MIDC water supply and remaining water requirement of 20 m³/day will be met from recycled water. Total effluent generation will be 17.5 m³/day and segregated into High TDS/COD effluent stream and Low TDS/COD effluent stream. High TDS/COD effluent stream will be passed through stripper and MEE. Low TDS/COD effluent stream will be treated in the ETP followed by RO. Sewage will be treated in the STP and treated water will be recycled/reused for horticulture purpose.
- ii. PP informed that with reference to the revised action plan for CEPI, Aurangabad as displayed in CPCB website for industrial cluster, for MIDC listed as severely polluted area namely (i) Waluj MIDC, 32.88 km from the project site; (ii) Sendra MIDC 31.6 km from the project site (iii) Aurangabad MIDC, 34.5 Km from the project site (iv) Chikhalthana MIDC, 33.57 km from the project site ; As per CEPI action plan of the above mentioned severely polluted areas are identified impact zone of 5 Km area from the boundary of MIDC. The present proposal is located at Paithan MIDC, which is beyond the identified impact zone boundary of the above mentioned severely polluted area.

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 EAC constituted under the provisions of the EIA Notification, 2006 comprising expert members /domain experts in various fields, examined the proposal submitted by the PP in desired

format along with the EIA/EMP reports prepared and submitted by the Consultant accredited by the QCI/ NABET on behalf of the PP.

The EAC noted that the PP 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 EIA/EMP reports. 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 PP.

The EAC noted that the EIA reports are in compliance with the ToR issued for the project, reflecting the present environmental status and the projected scenario for all the environmental components. The EAC deliberated on the proposed mitigation measures towards Air, Water, Noise and Soil pollutions. The EAC advised that the storage of toxic/explosive raw materials/products shall be undertaken with utmost precautions and following the safety norms and best practices.

The EAC deliberated on the Onsite and Offsite Emergency plans and various mitigation measures to be proposed during the implementation also of the project and advised the PP to implement the provisions of the Rules and guidelines issued under the Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989, as amended time to time, and the Chemical Accidents (Emergency Planning, Preparedness and Response) Rules, 1996.

The EAC deliberated on the proposal with 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 expert members of the EAC found the proposal in order and recommended for grant of environmental clearance.

The EAC is of the view that its recommendation and grant of environmental clearance by the regulatory authority to the project/activity is strictly under the provisions of the EIA Notification 2006 and its subsequent 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 PP 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.

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

- (i) Multicyclone followed by bag filter along with stack of 30 m height shall be provided to Briquettes/ Agro Waste fired boiler [0.5TPH] and Thermic Fluid Heater (2, 00,000 kCal/hr) to control the particulate emission as per CPCB norms.

- (ii) As proposed, adequate alkali scrubber system along with stack height of 12 m shall be provided to process vents to control process emissions. The scrubbing media shall be sent to effluent treatment plant (ETP) for treatment. Efficiency of scrubber shall be monitored regularly and maintained properly. At no time, the emission levels shall go beyond the prescribed standards.
- (iii) Total fresh water requirement from MIDC water supply shall not exceed 28.0 KLD.
- (iv) NOC from the Concerned Local authority shall be obtained before start of the construction of plant and drawing water from MIDC water supply. 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.
- (v) Effluent shall not exceed 17.5 KL/Day. Total effluent generation will be 17.5 m³/day and segregated into High TDS/COD effluent stream and Low TDS/COD effluent stream. High TDS/COD effluent stream shall be passed through stripper and MEE. Low TDS/COD effluent stream shall be treated in the ETP followed by RO. Sewage shall be treated in the STP and treated water will be recycled/reused for horticulture purpose. No effluent/treated water shall be discharged outside the plant premises and Zero Liquid discharge shall be maintained.
- (vi) All the hazardous waste shall be managed and disposed as per the HWM Rules 2016. Hazardous waste such as Distillation Residue and Off Specification Products shall be either send to common incineration site or send for co-processing. Solid waste shall be segregated into dry and wet garbage at site in accordance to the Solid Waste Management Rules, 2016. Wet waste shall be converted into compost and used as manure for greenbelt development
- (vii) Monitoring of the compliance of EC conditions shall be submitted with third party audit every year.
- (viii) As proposed, an amount of ₹ 5.3 lakh shall be allocated towards CER
- (ix) Generated Fly Ash shall be collected stored in silo and sold to brick manufacturer.
- (x) The PP shall develop greenbelt of at least 5-10 m width over an area of 33% i.e. 2257.21 sq.m. within the project site preferably within a year of the grant of EC. Saplings selected for the plantation should be of sufficient height, preferably 6-ft shall be planted in greenbelt area. The budget earmarked for the plantation shall be kept in a separate account and should be audited annually. The PP shall annually submit the audited statement along with proof of activities viz. photographs (before & after with geo-location date & time), details of expert agency engaged, details of species planted, number of species planted, survival rate, density of plantation etc. to the Regional Office of MoEF&CC before 1st July of every year for the activities carried out during previous year.

- (xi) A separate Environmental Management Cell (having qualified persons 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 and shall also engage Environment officials. In addition to this one safety & health officer as per the qualification given in Factories Act 1948 shall be engaged within a month of grant of EC. PP should annually submit the audited statement of amount spent towards the engagement of qualified persons in EMC along with details of person engaged to the Regional Office of MoEF&CC before 1st July of every year for the activities carried out during previous year.
- (xii) 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. The budget proposed under EMP is ₹175 Lakhs (Capital cost) and ₹30 Lakhs per annum (Recurring cost) shall be kept in separate account and should be audited annually. The PP should submit the annual audited statement along with proof of implementation of activities proposed under EMP duly supported by photographs (before & after with geo-location date & time) and other document as applicable to the Regional Office of MoEF&CC before 1st July of every year for the activities carried out during previous year.
- (xiii) No banned chemicals shall be manufactured by the project proponent. No banned raw materials shall be used in the unit. The project proponent shall adhere to the notifications/guidelines of the Government in this regard.
- (xiv) The project proponent shall comply with the environment norms for synthetic organic chemical as notified by the Ministry of Environment, Forest and Climate Change, vide GSR 608 (E), dated 21.7.2010 under the provisions of the Environment (Protection) Rules, 1986.
- (xv) The project proponent shall utilize modern technologies for capturing of carbon emitted and shall also develop carbon sink/carbon sequestration resources capable of capturing more than emitted. The implementation report shall be submitted to the IRO, MoEF&CC in this regard.
- (xvi) All necessary precautions shall be taken to avoid accidents and action plan shall be implemented for avoiding accidents. The project proponent shall implement the onsite/offsite emergency plan/mock drill etc. and mitigation measures as prescribed under the rules and guidelines issued in the Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989, as amended time to time, and the Chemical Accidents (Emergency Planning, Preparedness and Response) Rules, 1996. The occupier of new as well as expansion projects shall be required to comply with the provisions of the MSHIC Rules, 1989 including notifying their activities or seeking site approval from the concerned authorities, to address operational safety aspects. In doing so, various schedule, particularly Schedule-5 of the said rules may be referred.

- (xvii) The volatile organic compounds (VOCs)/Fugitive emissions shall be controlled at 99.97 % with effective chillers/modern technology. Regular monitoring of VOCs shall be carried out.
- (xviii) Continuous online (24x7) monitoring system for stack emissions shall be installed for measurement of flue gas discharge and the pollutants concentration, and the data to be transmitted to the CPCB and SPCB servers. 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.
- (xix) The storage of toxic/hazardous raw material shall be bare minimum with respect to quantity and inventory. Quantity and days of storage shall be submitted to the Regional Office of Ministry and SPCB along with the compliance report.
- (xx) The 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.
- (xxi) Training shall be imparted to all employees on safety and health aspects for handling chemicals. Safety and visual reality training shall be provided to employees. Action plan for mitigation measures shall be properly implemented based on the safety and risk assessment studies.
- (xxii) 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.
- (xxiii) The solvent management shall be carried out as follows: (a) Reactor shall be connected to chilled brine condenser system. (b) Reactor and solvent handling pump shall have mechanical seals to prevent leakages. (c) Solvents shall be stored in a separate space specified with all safety measures. (d) Proper earthing shall be provided in all the electrical equipment wherever solvent handling is done. (e) Entire plant shall be fire proof. The solvent storage tanks shall be provided with breather valve to prevent losses. (f) All the solvent storage tanks shall be connected with vent condensers with chilled brine circulation.
- (xxiv) The storm water from the roof top shall be channelized through pipes to the storage tank constructed for harvesting of rain water in the premises and harvested water shall be used for various industrial processes in the unit. No recharge shall be permitted within the premises. Process effluent/ any wastewater shall not be allowed to mix with storm water.
- (xxv) The PP 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 cleaning to reduce wastewater generation.

- (xxvi) 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
- (xxvii) 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/coal 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
- (xxviii) 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 EC CONDITIONS

- 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.
- The PP shall strictly comply with the rules and guidelines issued under the Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989, as amended time to time, the Chemical Accidents (Emergency Planning, Preparedness and Response) Rules, 1996, and Hazardous and Other Wastes (Management and Trans-Boundary Movement) Rules, 2016 and other rules notified under various Acts.
- The energy source for lighting purpose shall be preferably LED based, or advanced having preference in energy conservation and environment betterment.
- 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).
- The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. The activities shall be undertaken by involving local villages and administration. The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.
- 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.
- A copy of the clearance letter shall be sent by the PP to concerned Panchayat, ZillaParishad/Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal.
- The PP shall also upload/submit six monthly reports on Parivesh Portal on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data to the respective Integrated 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.
- 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 Integrated Regional Office of MoEF&CC by e-mail.

- The PP 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.
- 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.
- 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.

Annexure-II

List of the Expert Appraisal Committee (Industry-3) members participated during Video Conferencing (VC) meeting

S. No.	Name of Member	Designation
1.	Prof. (Dr.) A.B. Pandit	Chairman
2.	Dr. Suresh Panwar	Member
3.	Prof. (Dr.) Vijayanand S. Moholkar	Member
4.	Dr. (ER.) Dibakar Swain	Member
5.	Shri Dinabandhu Gouda	Member
6.	Dr. Kishore Malviya	Member
7.	Shri Dinesh Runiwal,	Member
8.	Shri A N Singh	Member Secretary
MOEFCC		
1.	Dr. Kanchan Puri	Scientist-B
2.	Dr. S. Pradeepkumar	Scientist-B
3.	Dr Bhawana Kapkoti Negi	Technical Officer

MOM approved by



**(Prof. Aniruddha B. Pandit)
Chairman**
