



File No: J-11011/515/2010-IA II (I)
Government of India
Ministry of Environment, Forest and Climate
Change
IA Division



Date **07/10/2024**



To,

Dipankar Nag
BERGER PAINTS INDIA LIMITED
Berger House, 129, Park Street, Kolkata, WB., Kolkata, KOLKATA, WEST BENGAL, Park Street,
700017
dipankarnag@bergerindia.com

Subject: Grant of prior Environmental Clearance (EC) to the proposed project 'Expansion of Integrated Paint Manufacturing Facility at Plot No. 262, Thumukunta Industrial Area, APIIC Growth Centre, Hindupur-Mandal, Sri Satya Sai District, Andhra Pradesh by Berger Paints India Limited" under the provision of the EIA Notification 2006 -regarding.

Sir/Madam,

This is in reference to your application submitted to MoEF&CC vide proposal number IA/AP/IND3/480546/2024 dated 06/07/2024 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.	EC24A2601AP5457040N
(ii) File No.	J-11011/515/2010-IA II (I)
(iii) Clearance Type	Fresh EC
(iv) Category	A
(v) Project/Activity Included Schedule No.	5(h) Integrated paint industry
(vi) Sector	Industrial Projects - 3
(vii) Name of Project	Expansion of Integrated Paint Manufacturing Facility at Plot No. 262, Thumukunta Industrial Area, APIIC Growth Centre, Hindupur-Mandal, Sri Satya Sai District, Andhra Pradesh
(viii) Name of Company/Organization	BERGER PAINTS INDIA LIMITED
(ix) Location of Project (District, State)	SRI SATHYA SAI, ANDHRA PRADESH
(x) Issuing Authority	MoEF&CC
(xi) Applicability of General Conditions as per EIA Notification, 2006	Yes

3. The Ministry of Environment, Forest and Climate Change has examined the proposal seeking environmental clearance for Expansion of Integrated Paint Manufacturing Facility at Plot No. 262, Thumukunta Industrial Area, APIIC Growth Centre, Hindupur-Mandal, Sri Satya Sai District, Andhra Pradesh by M/s Berger Paints India Limited.

4. The project/activity is covered under Category 'B' of item 5 (h) Integrated Paint Industry of Schedule of Environment Impact Assessment (EIA) Notification, 2006 (as amended). However, due to applicability of general condition i.e. interstate boundary AP and Karnataka, the proposal is treated as category A and appraised by EAC (Industry-3).

5. The Ministry issued the Standard ToR, vide letter no. No.: J-11011/515/2010-IA II (I); dated 17-04-2023. The PP applied for Environment Clearance on Parivesh 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 this 83rd EAC meeting held on 1st August, 2024 wherein the PP along with accredited Consultant, M/s. Kadam Environmental Consultants. (NABET Accreditation No.: NABET/EIA/2326/RA 0303_Rev.01 valid till 19-03-2026) made a detailed presentation on the salient features of the project. The information submitted by the PP is as follows:

6. The PP reported that the Existing land area is 1,93,965.861 m² and no additional land is required for the proposed expansion Project. The details of products to be manufactured are as follows:

S. No	Product Details (complete name)	Existing Quantity	Proposed Quantity	Total Quantity	Uses
1.	Water based emulsion Paints	2,72,000 KLPA	0	2,72,000 KLPA	Used as decorative paints.
2.	Water based distemper paint	48,000 MTPA	0	48,000 MTPA	
3.	Water based polymer emulsion	1,00,000 MTPA	0	0 (Existing Project is not implemented)	-
4.	Solvent Based Paint	0	72,000 KLPA	72,000 KLPA	Used as decorative paints.
5.	Resins for solvent based paints	0	36,000 MTPA	36,000 MTPA	It is a binding agent for pigment to the surface.
6.	Construction Chemical	0	60,000 KLPA	60,000 KLPA	Leak proofing, texture finishing etc.

7. 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.

8. The PP reported that the Ministry has issued EC earlier vide letter no. J-11011/515/2010- IA II (I) dated 1st November 2011 to the existing project Paints Manufacturing facility in favour of M/s Berger Paints India Limited. Certified Compliance of the existing EC has been obtained from IRO vide its letter no IRO/VIJ/EPA/EC-A/101/01-67/2021 dated 08.02.2024, in which 9 conditions are partially complied and 7 conditions are not complied. Action taken report has been submitted to IRO, for which IRO vide their letter no. IRO/VIJ/EPA/EC-A/101/01-67/2021 dated 24.04.2024 has confirmed the submission of ATR.

9. The PP reported that there are No national parks, wildlife sanctuaries, Biosphere Reserves, Tiger / Elephant Reserves, Wildlife Corridors etc. lies within 10 km distance from the project site. Rivers Pennar & Kumudvati River is flowing at a distance of 1.62 km. No Schedule-1 Species found within 10 km distance from the project site.

10. The PP reported that the Ambient air quality monitoring was carried out at 8 locations during March 2021 to June 2021 and the baseline data indicates the ranges of concentrations as: PM₁₀ (55 – 78 g/m³), PM_{2.5} (20 -28 g/m³), SO₂ (8-9 g/m³) and NO₂ (11-13 g/m³). AAQ modelling study for point source emissions indicates that the maximum incremental GLCs after the proposed project would be 2.3 g/m³, 2.1 g/m³ and 1.1 g/m³ with respect to PM₁₀, SO_x and NO_x. The resultant concentrations are within the National Ambient Air Quality Standards (NAAQS).

11. Total water requirement will be increased from 375 KLD to 554 KLD after expansion. out of which, freshwater

requirement of 496 KLD will be met from Supply from APIIC and remaining water of 58 KLD will be met from recycled water. Effluent generation will be increased from 37 KLD to 58 KLD after expansion, which will be treated in the ETP comprising treatment, primary, secondary and tertiary (RO). RO rejects will be evaporated in MEE/MVR followed by ATFD Sewage will be treated in the STP. The plant will maintain Zero Liquid discharge system.

12. Power requirement after expansion will be 3285 KVA (1300 KVA (Existing) + 1985 KVA (Proposed) including existing KVA and will be met from Andhra Pradesh State power distribution corporation limited (APSPDCL). Existing unit has DG sets of 1250 KVA X 2 Nos and 250 KVA X 1 Nos capacity, additionally 1 DG set (proposed) is used as standby during power failure. Stack (height- 30 m) will be provided as per CPCB norms to the proposed DG sets.

13. Existing unit has no boiler. For proposed expansion, Multicyclone followed by Bagfilter alongwith stack height of 30 m will be provided to 2 Nos with Biomass fired Thermic Fluid Heaters (30 lakh kcal/hr.) Stack height of 30 m will be provided to HSD/LDO fired Thermic Fluid Heaters (20 lakh kcal/hr.) and HSD/LDO fired boiler (2x 850 kg/hr).

14. Details of fuel: EXISTING: High Speed Diesel (HSD) in DG Set -35,915 liters per Annum, PROPOSED: (1.) Thermic Fluid Heater: HSD/LDO (300 Kg/hr per Unit), Thermic Fluid Heaters (2 Nos with common stack): Biomass Fuel (1134 Kg/hr per Unit), Steam Boiler: HSD/LDO (48 Kg/Hr per Unit), Steam Boiler (for MEE): HSD/LDO (48 Kg/Hr per Unit).

Sr. No.	Stack ID / Stack attached to	Capacity / Remarks	Qty (Nos)	No. of stack	Name of Fuel	Quantity of Fuel	Stack Height in Mt. (From G.L.)	Stack Dia. (Top), mm	Stack Exit Velocity, m/s	Stack Exit Temp, oC	Pollutants Emitted	Air Pollution Control Measure (APCM)
1	DG Set	1250 KVA	1	1	HSD	a) 100% Load – 251.8 ltr/hr. b) 75% Load – 190.8 ltr/hr. c) 50% Load – 127.3 ltr/hr.	30 m	300 mm	40.4 m/s	529	PM, CO, NOx , HC	Chimney
2	Thermic Fluid Heater	20 Lakh Kcal/Hr	1	1	HSD/LDO	300 Kg/hr per Unit	30 m	1300 mm	10 m/s	250 - 300	PM, CO, NOx , HC	Chimney
3	Thermic Fluid Heaters (2 Nos with common stack)	30 Lakh Kcal/Hr	2	1	Biomass Fuel	1134 Kg/hr per Unit	30 m	1300 mm	10 m/s	250 - 300	PM, CO, NOx , HC	Bag Filter, Cyclone Separator, Chimney
4	Steam Boiler	850 Kg/Hr	1	1	HSD/LDO	48 Kg/Hr per Unit	30 m	350 mm	8 – 10 m/s	240	PM, CO, NOx , HC	Chimney
5	Steam Boiler (for MEE)	850 Kg/Hr	1	1	HSD/LDO	48 Kg/Hr per Unit	30 m	350 mm	8 – 10 m/s	240	PM, CO, NOx , HC	Chimney

15. Details of Process Emissions Generation and its Management:

Sr. No.	(Source) Stacks attached to	No. of stack	Stack Height, m (From G.L.)	Stack Exit Velocity, m/s	Stack Exit Temp, oC	Pollutants Emitted	Air Pollution Control Measure (APCM)
1	Dust collector	2	30 m	17 - 20 m/s	Ambient	PM	Pulse Jet Bag filter, Chimney
2	Fume Extraction system	1	30 m	17 - 20 m/s	Ambient	VOC	Packed bed Scrubber, Chimney

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

S. No.	Types of Waste	Category of Hazardous Waste	Existing HW Generation	Proposed HW Generation	Total Qty after Expansion	Method of Collection	Treatment / Disposal
1	ETP Sludge	34.3 of Schedule -I	12 TPM	10 TPM	22 TPM	Plastic jumbo bags	For landfilling at TSDF/Co- processing/ Pre-processing at authorized cement industries
2	Empty Polythene bags	34.3 of Schedule -I	6 TPM	6 TPM	12 TPM	Polythene bags	Shall be Sold to approved PCB Vendors/recycler
3	Used Containers	33.1	3500 Nos	5000 Nos	8500 Nos per month	-	
4	Used / Spent oil from DG Sets, Machineries etc.	5.1	0.2 Kl	0.2 Kl	0.4 kl per month	MS barrels	Shall be disposed to authorized recyclers
5	Contaminated cotton rags or other cleaning material	33.2	0.4 TPM	5 TPM	5.4 TPM	Polythene bags	
6	Process wastes, residues and sludges	21.1	-	2.5 T	2.5 TPM	Barrels/Poly bags	
7	Spent solvents	21.2	-	2 kl	2 kl per month	Metal Barrels	
8	Wastes or residues (resins)	23.1	-	1.5 T	1.5 TPM	Metal/PVC barrels	Disposed to authorized
9	Barrel decontamination material	34.1	-	1 T	1 TPM	Metal/PVC barrels	TSDF
10	Ash (form bio briquette)	37.2	-	2 T	2 TPM	Jumbo bags	
11	Oil and grease skimming residue	35.4	-	5 TPA	5 TPA	Closed barrels	
12	Spent ion exchange resin	35.2	-	10 TPA	10 TPA	Closed barrels	
13	Flue gas cleaning residue	35.1	-	70 TPA	70 TPA	Closed barrels	
14	Sludge/ Filters containing oil	3.3	-	2 TPA	2 TPA	Closed barrels	Shall be recycled by authorized recyclers

17. The Budget earmarked towards the Environmental Management Plan (EMP) is 672 lakhs (capital) and the Recurring

Cost (operation and maintenance) will be about 2118 lakhs per annum. Industry proposes to allocate Rs. 2.25 Crore towards Corporate Environment Responsibility.

S. No	Head	Approximate recurring cost per annum (in INR, Lakhs)	Approximate capital cost (in INR Lakhs)	Basis for cost estimate
1	Air pollution control	10	500	Capital cost (part of process plant) Cost of providing adequate stack height to 1 boiler stack Recurring cost Cost of stack monitoring and maintenance
2	Water pollution	10	100	Capital cost Up gradation of ETP Recurring cost Cost of operating ETP, Manpower cost, cost of chemicals etc
3	Noise pollution	2	-	Capital cost Cost of acoustic enclosure Recurring cost Monitoring and maintenance cost
4	Solid and hazardous waste management	70	35	Capital cost Membership fees of TSDF for disposal of hazardous waste Recurring cost Cost of transportation and storage of Solid and hazardous waste
5	Environment monitoring and management	10	-	Recurring cost The recurring cost would be incurred as cost of hiring consultants / third party for carrying out monitoring
6	Greenbelt	16	37	Capital cost Greenbelt development cost Recurring cost Greenbelt maintenance cost

18. Industry has already developed greenbelt in 80,663.73 m² (i.e. 41.5 % out of total area of the project).

19. 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 it is located in the notified industrial area i.e., Thumakunta Industrial Area, it was notified vide letter GOMs No. 113 dated 4.3.1995.

20. The PP proposed to set up an Environment Management Cell (EMC) by engaging Environment Officials for the functioning of EMC.

21. The PP submitted the Disaster Management Plan and On-site and Off-site Emergency Plans in the EIA report.

22. The estimated project cost is Rs 300 crore including existing investment of Rs 200 crores. Total Employment will be 71 persons as direct & 369 persons indirect after expansion.

23. Deliberations by the EAC:

During deliberations, EAC discussed the following issues:

- PP submitted that they will install VOCs detectors in the work zone. They have identified the agency for the same and the agency will be given a purchase order and necessary equipment will be installed within next two months.
- PP submitted that Currently 5660 trees are already available. Another 5250 plants will be planted through Miyawaki plantation, and the activity would be completed by next 3 to 4 months. Action Plan for greenbelt development is as given below:

Land area	Area in ha	No. Tree already planted	Planning for Plantation (Miyawaki) in next three months (August 2024 to October 2024)	Plantation Month
Dedicated green belt area	5.4	5260	2400	August 2024
Green belt at the periphery	1.3	100	1500	August 2024
Green belt surrounding admin block	1.0	200	1100	Sept 2024
Green belt beside PMS block	0.3	100	250	Oct 2024
Total	8.1	5660	5250	

- PP submitted the Undertaking about greenbelt development, rain water harvesting system.(they will complete 100% greenbelt development in the 80,617 sq.m. They also assure that rain water harvesting system is going on and the same will be by October 2024 Further to complete 100% green belt, considering 2500 plants per hectare, we would take up necessary plantation and would complete the activity on or before December 2025.

- PP submitted the calculation of 77 KLD water consumption in construction chemicals.

The committee was satisfied with the response provided by PP on above information.

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.

24. Minutes of the meeting is available at : [92712782_1723448174894.pdf \(parivesh.nic.in\)](https://parivesh.nic.in/92712782_1723448174894.pdf)

25. 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 1.

26. Based on the recommendations made by EAC in its 83rd meeting of the Expert Appraisal Committee (Industry-3 sector), held on 31 July-1 Aug, 2024, Ministry of Environment, Forest and Climate Change hereby accords Environmental Clearance for “ **Expansion of Integrated Paint Manufacturing Facility at Plot No. 262, Thumukunta Industrial Area, APIIC Growth Centre, Hindupur-Mandal, Sri Satya Sai District, Andhra Pradesh by Berger Paints India Limited** ” under the provisions of the EIA Notification, 2006, and the amendments therein, subject to compliance of the Specific and General terms and conditions as mentioned at Annexure-1. The Ministry 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. The Ministry may revoke or suspend the environmental clearance, if implementation of any of the above conditions is not found satisfactory.

27. General Instructions:

(a) The project proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days indicating that the project has been accorded environment clearance and the details of MoEF&CC/SEIAA website where it is displayed.

(b) 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 Government who in turn has to display the same for 30 days from the date of receipt.

(c) The project proponent shall have a well laid down environmental policy duly approved by the Board of Directors (in case of Company) or competent authority, duly prescribing standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions.

(d) Action plan for implementing EMP and environmental conditions along with responsibility matrix of the project proponent (during construction phase) and authorized entity mandated with compliance of conditions (during perational phase) shall be prepared. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Six monthly progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six-Monthly Compliance Report.

(e) Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.

(f) The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.

(g) Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

(h) 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 and other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 read with subsequent amendments therein.

This issues with the approval of the Competent Authority.

Copy To

1. ANDHRA PRADESH ENVIRONMENT MANAGEMENT CORPORATION LTD Environment, Forests, Science & Technology Department, Government of Andhra Pradesh , 2nd Floor, AP.Markfed Building, APIIC Colony, Jawahar Auto Nagar, Vijayawada-520007
2. Inspector General of Forests, Ministry of Environment, Forest and Climate Change, Integrated Regional Office, Vijayawada Green House, Gopalareddy Road, Vijayawada – 520010, Andhra Pradesh
3. The Member Secretary, Andhra Pradesh Pollution Control Board, Paryavaran Bhavan, APIIC Colony Road, Gurunanak Colony, Autonagar, Vijayawada- 520007.
4. The Member Secretary, Central Pollution Control Board, Parivesh Bhawan, East Arjun Nagar, Delhi – 32
5. The District Collector, Collector's Office, Sri Sathya Sai District, Puttaparthi. Andhra Pradesh
6. Guard File/Monitoring File/PARIVESH

Annexure 1

Specific EC Conditions for (Integrated Paint Industry)

1. Specific Conditions

S. No	EC Conditions
1.1	(i) Multicyclone followed by bagfilter along with stack of 30 m height shall be provided to biomass fired Thermic Fluid Heaters (2 Nos with common stack) (30 Lkah Kcal/hr) to control the particulate emission as per CPCB/SPCB. Stack of 30 m height shall be provided to HSD/LDO fired Thermic Fluid Heaters (1x20 Lkah Kcal/hr) and boiler (2 x 850 kg/hr) .
1.2	(ii) Pulse Jet bag filter along with stack height of 30 m shall be provided to control PM. Packed bed scrubber shall be provided to control process emissions viz. VOCs . Efficiency of scrubber shall be monitored regularly and maintained properly. At no time, the emission levels shall go beyond the prescribed standards.
1.3	(iii) Total fresh water requirement from APIIC water supply shall not exceed 496 m ³ /day.
1.4	(iv) NOC from the Concerned Local authority shall be obtained before start of the construction of plant for drawing of the APIIC water supply for the project activities. State Pollution Control Board / Pollution Control Committees 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.
1.5	(v) The total effluent generation shall not exceed 58 KL/Day. The wastewater shall be treated in the

S. No	EC Conditions
	ETP comprising primary, secondary and tertiary treatment facility followed by RO. RO rejects shall be evaporated in MEE and ATFD. Treated effluent shall be recycled/reused. Domestic wastewater shall be treated in the STP separately and treated water shall be reused for greenbelt development. STP sludge shall be used as manure for greenbelt development. The Unit shall maintain ZLD.
1.6	(vi) 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.
1.7	(vii) All the hazardous waste shall be managed and disposed as per the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016. Hazardous waste such as Distillation Residue and Off Specification Products shall be either sent to common incineration site or sent for coprocessing. 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
1.8	(viii) 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.
1.9	<p>(ix) The PP shall develop greenbelt of at least 5-10 m width over an area of 80,663.73 Sq. Meter area with 2500/ha plant species within the project site mainly along the plant periphery, preferably before December 2025. Another 5250 Tree 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.</p> <p>Plantation of saplings shall be carried out as a part of tree plantation campaign "EK PED MA ke NAAM" and details of the same to be uploaded in the MeriLiFE portal (https://merilife.nic.in) in respect to this Ministry's OM No. IA3-22/3/2024-IA.III(E-241594) dated 24th July 2024</p>
1.10	(x) 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 Officals .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 1 st July of every year for the activities carried out during previous year.

S. No	EC Conditions
1.11	(xi) 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 672 Lakhs (Capital cost) and 118 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 1 st July of every year for the activities carried out during previous year.
1.12	(xii) The ongoing rain water harvesting system shall be completed by October 2024.
1.13	(xiii) Monitoring of the compliance of EC conditions shall be submitted with third party audit every year.
1.14	(xiv) 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.
1.15	(xv) The project proponent shall comply with the environment norms for Integrated Paint Industry as notified by the Ministry of Environment, Forest and Climate Change, vide GSR 1241 (E), dated 28.12.2018 under the provisions of the Environment (Protection) Rules, 1986.
1.16	(xvi) 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.
1.17	(xvii) 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 sent to common incineration site or sent for coprocessing. 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.
1.18	(xviii) 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.

S. No	EC Conditions
1.19	(xix) 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.
1.20	(xx) 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.
1.21	(xxi) 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.
1.22	(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.
1.23	(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.
1.24	(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.
1.25	(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 vapor recovery system. (f) Use of high pressure-hoses for equipment cleaning to reduce wastewater generation.
1.26	(xxvi) 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.

Standard EC Conditions for (Integrated paint industry)

1.

S. No	EC Conditions
1.1	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.
1.2	The Project proponent 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.
1.3	The energy source for lighting purpose shall be preferably LED based, or advanced having preference in energy conservation and environment betterment.
1.4	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).
1.5	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.
1.6	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.
1.7	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.
1.8	The project proponent 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.
1.9	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

S. No	EC Conditions
	e-mail.
1.10	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.
1.11	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.
1.12	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.

Additional EC Conditions

N/A

