

State Level Environment Impact Assessment Authority, Uttar Pradesh

Directorate of Environment, U.P.

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To,

**Shri Dipankar Nag,
Authorized Signatory,
M/s Berger Paints India Limited,
Berger House-129, Prak Street,
Kolkata- 700017.**

Ref. No.....96...../Parya/SEIAA/4604/2019

Date: 29 May, 2020

Sub: Environmental Clearance for Integrated Paint Plant at Plot No.- B4 & B5 at Sandila Industrial Area Phase-I, District- Hardoi, U.P., M/s Berger Paints India Limited.

Dear Sir,

Please refer to your application/letters 17-12-2018, 04-01-2019, 14-10-2019 & 07-02-2020 addressed to the Chairman/Secretary, State Level Environment Impact Assessment Authority (SEIAA) and Director, Directorate of Environment Govt. of UP on the subject as above. The State Level Expert Appraisal Committee considered the matter in its meetings held on dated 28-02-2020 and SEIAA in its meeting dated 09-05-2020.

A presentation was made by the project proponent along with their consultant M/s Kadam Environmental Consultants. The proponent, through the documents submitted and the presentation made, informed the committee that :-

- 1- The environmental clearance is sought for Integrated Paint Plant at Plot No.- B4 & B5 at Sandila Industrial Area Phase-I, District- Hardoi, U.P., M/s Berger Paints India Limited.
- 2- Terms of reference in the matter were issued vide SEIAA letter dated 03/05/2019 and online EIA report was submitted by the project proponent on 14/10/2019.
- 3- Proposed project is having a plot area of 145407 Sqm. Proposed green area will be 33% i.e. approx. 48010 sqm within the industry premises.
- 4- Salient features of the project:

S. No.	Item	Details	
1	Location	Village	Sandila Industrial area
		Taluk	Sandila
		District	Hardoi
		State	Uttar Pradesh
		Project site falls under Notified Sandila Industrial Area	
3	Total Area of Plot	Land Area : 35.91 Acre	
4	Greenbelt Area	480107 m ² (33% of total plot area)	
5	Proposed production (Name and Capacity)	Water based paints	1,32,000 KL/MT/Annum
		Solvent based paints	69,000 KL/Annum
		Powder Putty	60,000 MT/Annum
		Emulsion for Water Base Paints	60,000 MT/Annum
		Resin for Liquid Solvent Base Paints	48,000 MT/Annum
6	Project Cost	INR ~400 Crore	
7	Employment with Full capacity Operation after expansion	Operation phase	350
		Construction phase	1000-1500
8	Power Supply (Grid and Standby)	Supply: Uttar Pradesh Power Corporation Ltd. (UPPCL)	
		Peak Demand: ~ 5140 KVA	
9	Fuel	HSD, Bio-Briquette / Briquette Pallet	
10	Water Supply	Source: Ground water	
11	Water Requirement	719 KLD	
12	Waste Water Generation	Total: 113 KLD	
		Domestic: 5 KLD	



		Industrial: 108KLD
13	Wastewater Management / Disposal	Domestic wastewater will be sent to STP for treatment and treated water will be used for gardening/toilet flushing Industrial wastewater 108 KLD to ETP
14	Solid / Hazardous Waste Management	Non Hazardous solid waste: Recyclable waste will be sold to scrap vendor, while biodegradable – canteen waste & STP sludge will be used as Manure Other industrial wastes like process waste/ residue/ paint sludge will be stored in designated place in factory premises and disposed off through TSDF as a land filling.
15	Proposed Air Pollution Control Equipments	Adequate stack height will be provided for all flue gas stacks in order to disperse the flue gases effectively. Stack emission quality will be maintained as per the UPPCB/CPCB norms. Process vents- closed loop operations in Emulsion Manufacturing plant Pulse jet bag filters will be attached to raw material storage silos. Fume Extraction system with scrubber

5- Land use details:

S. No.	Title	Area, m ²	% of total Area
1	Process area	16950	11.65
2	Storage area	12884	8.86
3	Waste water treatment plant (ETP & STP)	920	0.63
4	Utilities	17561.25	12.07
5	Admin Building, security cabin	1250	0.85
6	Greenbelt area	48010	33.05
7	Open space	47831.75	32.89
Total		145407	100.00

6- The major raw materials required for manufacture of Paint include the following:

- Extender and powder Raw Material, Pigments, Additives, Soft water, DM water, Solvents, Vegetable Oil, Monomers.

7- Hazardous waste details:

Sr. No.	Hazardous waste category	Hazardous Waste type / description	Quantity of Waste (MTPA)	Mode of Treatment and Disposal
1	5.1	Used oil / Spent Oil	2.5	Recycling through authorised recyclers
2	21.2	Spent solvent	115	In house recycling/ disposal to CHWTSDF
3	20.3, 21.1	Paint waste/residue/ sludge	25	Disposal to CHWTSDF
4	21.1	Process waste (Sweeping dust)	2.5	Disposal to CHWTSDF
5	33.1	Discarded paint & chemical containers/drums/barrels	10	recycling through authorised recyclers
6	35.3	ETP Sludge	50	Disposal to CHWTSDF

8- The project proposal falls under category-5(h) of EIA Notification, 2006 (as amended).

Based on the recommendations of the State Level Expert Appraisal Committee Meeting (SEAC) held on 28-02-2020 the State Level Environment Impact Assessment Authority (SEIAA) in its Meeting held 09-05-2020 and decided to grant the Environmental Clearance for proposed project along with subject to the effective implementation of the following general & specific conditions:-

1. Statutory compliance:

1. The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.
2. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
3. The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific



Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report. (in case of the presence of schedule species in the study area).

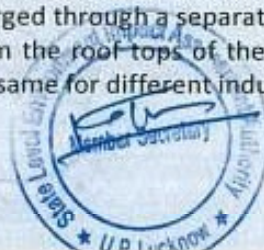
4. The project proponent shall obtain Consent to Establish/ Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State pollution Control Board/ Committee.
5. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.
6. The Company shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 as amended time to time. All transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA), 1989

II. Air quality monitoring and preservation:

1. The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
2. The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through labs recognized under Environment (Protection) Act, 1986.
3. The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM2s in reference to PM emission, and SO2 and NOx in reference to SO2 and NOx emissions) within and outside the plant area at least at four locations (one within and three outside the plant area at an angle of 120° each), covering upwind and downwind directions.
4. To control source and the fugitive emissions, suitable pollution control devices shall be installed to meet the prescribed norms and /or the NAAQS. Sulphur content should not exceed 0.5% in the coal for use in coal fired boilers to control particulate emissions within permissible limits (as applicable). The gaseous emissions shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines.
5. Storage of raw materials, coal etc shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.
6. National Emission Standards for Organic Chemicals Manufacturing Industry issued by the Ministry vide G.S.R. 608(E) dated 21st July, 2010 and amended from time to time shall be followed.
7. The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be complied with.

III. Water quality monitoring and preservation:

1. The project proponent shall provide 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 (applicable in case of the projects achieving ZLD)
2. As already committed by the project proponent, Zero Liquid Discharge shall be ensured and no waste/treated water shall be discharged outside the premises (applicable in case of the projects achieving the ZLD).
3. The effluent discharge shall conform to the standards prescribed under the Environment (Protection) Rules, 1986, or as specified by the State Pollution Control Board while granting Consent under the Air/Water Act, whichever is more stringent.
4. Total fresh water requirement shall not exceed the proposed quantity or as specified by the Committee. Prior permission shall be obtained from the concerned regulatory authority/CGWA in this regard.
5. Process effluent/any wastewater shall not be allowed to mix with storm water. The storm water from the premises shall be collected and discharged through a separate conveyance system.
6. The Company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and utilize the same for different industrial operations within the plant.



7. The DG sets shall be equipped with suitable pollution control devices and the adequate stack height so that the emissions are in conformity with the extant regulations and the guidelines in this regard.

IV. Noise monitoring and prevention :

1. Acoustic enclosure shall be provided to DG set for controlling the noise pollution.
2. 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.
3. The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during nighttime

V. Energy Conservation measures:

1. The energy sources for lighting purposes shall preferably be LED based.

VI. Waste management:

1. Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arresters shall be provided on tank farm and the solvent transfer through pumps.
2. Process organic residue and spent carbon, if any, shall be sent to cement industries. ETP sludge, process inorganic & evaporation salt shall be disposed off to the TSDF.
3. 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

VII. Green Belt:

1. The green belt of 5-10 m width shall be developed in more than 33% of the total project area, mainly along the plant periphery, in downward wind direction, and along road sides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department.

VIII. Safety, public hearing and human health issues:

1. Emergency preparedness plan based on the Hazard Identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
2. The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Firefighting system shall be as per the norms.
3. The PP shall provide Personal Protection Equipment (PPE) as per the norms of Factory Act.
4. Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.
5. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
6. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
7. 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

IX. Corporate Environment Responsibility:



1. The project proponent shall comply with the provisions contained in this Ministry's OM vide F. No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility.
2. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for 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. The company shall have defined system of reporting infringements / deviation/ violation of the environmental/ forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
3. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
4. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry /Regional Office along with the Six Monthly Compliance Report.
5. Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.

X. *Miscellaneous:*

1. As proposed ZLD shall be achieved.
2. Under any circumstances no effluent of any kind be discharged outside the premises of factory.
3. The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent ' s website permanently.
4. 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.
5. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
6. The project proponent shall monitor the criteria pollutants level namely; PM10, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.
7. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
8. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
9. The project proponent 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, commencing the land development work and start of production operation by the project.
10. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
11. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
12. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
13. 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.

14. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
15. The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
16. 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.
17. The above conditions shall 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, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.
18. 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.

Concealing factual data and information or submission of false/fabricated data and failure to comply with any of the conditions stipulated in the Prior Environmental Clearance attract action under the provision of Environmental (Protection) Act, 1986.

This Environmental Clearance is subject to ownership of the site by the project proponents in confirmation with approved Master Plan for Hardoi. In case of violation; it would not be effective and would automatically be stand cancelled.

The project proponent has to ensure that the proposed site in not a part of any no- development zone as required/prescribed/identified under law. In case of the violation this permission shall automatically deemed to be cancelled. Also, in the event of any dispute on ownership or land use of the proposed site, this Clearance shall automatically deemed to be cancelled.

The project proponent has to mandatorily submit the compliance of specific conditions no- 3, 5,6 & 7 given in E.C. letter within 3 months, falling which the Clearance shall automatically deemed to be cancelled.

Further project proponent has to submit the regular 6 monthly compliance report regarding general & specific conditions as specified in the E.C. letter and comply the provision of EIA notification 2006 (as Amended).


These stipulations would be enforced among others under the provisions of Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and EIA Notification, 2006 including the amendments and rules made thereafter.


(Ashish Tiwari)
Member Secretary, SEIAA

No...../Parya/SEAC/4604/2019 Dated: As above

Copy with enclosure for Information and necessary action to:

1. The Principal Secretary, Department of Environment, Govt. of Uttar Pradesh, Lucknow.
2. Advisor, IA Division, Ministry of Environment, Forests & Climate Change, Govt. of India, Indira Paryavaran Bhawan, Jor Bagh Road, Aliganj, New Delhi.
3. Additional Director, Regional Office, Ministry of Environment & Forests, (Central Region), Kendriya Bhawan, 5th Floor, Sector-H, Aliganj, Lucknow.
4. District Magistrate Hardoi.
5. The Member Secretary, U.P. Pollution Control Board, TC-12V, Paryavaran Bhawan, Vibhuti Khand, Gomti Nagar, Lucknow.
6. Copy to Web Master/ guard file.


(Ashish Tiwari)
Member Secretary, SEIAA