

COMPLIANCE REPORT

**AS PER CONDITIONS STIPULATED IN
THE ENVIRONMENTAL CLEARANCE**

**96/Parya/SEIAA/4604/2019,
dated May 29th, 2020**

**Six Monthly Compliance Report
(October-2021 to March-2022)**

FOR

**INTEGRATED PAINT PLANT
AT PLOT NO. - B4 & B5 AT**

SANDILA INDUSTRIAL AREA PHASE - I,

**TEHSIL: SANDILA, DISTRICT:
HARDOI,(U.P.).**

SUBMITTED BY

M/s Berger Paints India Limited

**BERGER HOUSE-129, PARK STREET, KOLKATA -
700017**

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CHAPTER-1

INTRODUCTION AND PROJECT DESCRIPTION

Six monthly environmental compliance/status report is submitted for Integrated Paint manufacturing plant of **M/s Berger Paints India Limited** for **October -2021 to March-2022**.

The Project is located at Plot No. – B4 & B5, Sandila Industrial Area Phase- I, District: Hardoi (U.P.). Prior Environment Clearance was obtained from Ministry of Environment & Forests (MoEFCC) vide letter no.: **96/Parya/SEIAA/4604/2019, dated May 29th, 2020**.

Consent to establish has already been obtained for the project Vide Ref No. - **108095/UPPCB/Unnao(LAB)/CTE/HARDOI/2020, dated 01/01/2021** for validity upto 31/12/2025. Copy of CTE is attached here as **Annexure-I**

Specific and general conditions stipulated in Environment Clearance are being complied during the construction phase.

Environmental mitigation measures described in Environmental Management Plan are being implemented during construction phase. M/s Berger Paints India Limited management team is fully conscious about Environmental Management and enhancing green belt development in project surrounding area.

Six monthly compliance/status reports for **October 2021 to March 2022** for conditions stipulated in the Environmental Clearance letter issued by MoEF are enclosed.

CHAPTER – 2

**COMPLIANCE OF STIPULATED CONDITIONS OF ENVIRONMENTAL
CLEARANCE**

Name of the Project: Integrated Paint manufacturing plant at Plot No. – B4 & B5 at Sandila Industrial Area Phase- I, District: Hardoi (U.P.) by **M/s Berger Paints India Limited.**

Clearance Letter No:96/Parya/SEIAA/4604/2019, dated May 29th, 2020

Period of Compliance Report: (October 2021 to March 2022).

I. SPECIFIC CONDITIONS		
Sr. No.	Statutory	Compliances
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.	Not applicable as there is no forest land involved in the project.
2.	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.	Not Applicable, there is no wild life sanctuary within 10 km radius.
3.	The project proponent shall prepare a Site-Specific Conservation Plan and approved by the Chief Wildlife Warden. The recommendation of the approved Site-Specific Conservation Plan/ Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report. (in case of the presence of schedule species in the study area).	From buffer zone ,Two species of birds i.e. Pavo crestatus (Peacock) and Haliastur Indus (Brahminy Kite) Falls in the Schedule-I category of wild life protection act (1972) and also reported in forest working plan of District Hardoi. The Conservation budget of Rs. 5,50,000 is allotted and expenditure will be carried out within due time period.

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.	The CTE (Consent to Establish) application has been Obtained from UPPCB. Copy of CTE attached as Annexure-I .
5.	The project proponent shall obtain authorization under the Hazardous and other waste management rules 2016 as amended from time to time.	The point is noted. Will be complied.
6.	The company shall strictly comply with the rules and guideline 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 Motors Vehicle Act (MVA),1989	The point is noted. Will be complied.
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 SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories.	The site is under construction We will comply with this condition after commissioning of the plant .
2.	The project proponent shall monitor fugitive emissions in the plant premises at least once in every	Point is noted and will be complied after commissioning

	quarter through labs recognized under Environment (Protection) Act, 1986.	of the plant.
3.	The project proponent shall install system carryout to Ambient Air Quality monitoring for common/criterion parameter relevant to the main pollutant released (e.g. PM ₁₀ and PM _{2.5} in reference to PM emission, and SO ₂ and Nox in reference to SO ₂ and Nox emission) within and outside the plant area at least at four location (one within and three outside the plant area at an angle of 120° each), covering upwind and downwind directions.	Ambient Air Monitoring quality has been done at 4 locations; Monitoring Reports are attached as Annexure-II .
4.	To control source and the fugitive emissions, suitable pollution control device 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 boiler 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.	Ambient Air Monitoring quality has been done at 4 locations; Monitoring Reports are attached as Annexure-II .
5.	Storage of raw materials, coal etc. shall be either stored in soils or in covered areas to prevent dust pollution and other fugitive emission.	Point is noted and same will be complied after commissioning of plant.
6.	National Emission Standards for Organic Chemicals manufacturing Industry issued by the Ministry vide G.S.R. No. 608 (E) dated 21 th July, 2010 and amended from time to time shall be followed.	Point is noted and same will be complied after commissioning of plant

7.	The National Ambient Air Quality Emission Standard issued by the Ministry vide G.S.R. No. 826(E) dated 16 th November, 2009 shall be complied with.	Point is noted and is being 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).	On completion of the project and on commissioning, the unit will install OCMS for the effluent & web camera at drain carrying the effluent as per CPCB guidelines.
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).	In no case treated water will be discharged outside the premises as unit is based on Zero Liquid Discharge. ETP, RO & MEE/MVR and ATFD will be installed to take care the proposed effluent load.
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.	Unit is based on Zero Liquid Discharge strategy, no effluent is discharged outside the premises. However all standards will be complied in accordance to the need and requirement.
4.	Total fresh water requirement shall not exceed the proposed quantity or as specified by the Committee.	NOC for ground water abstraction has been obtained from UPGWD.

	Prior permission shall be obtained from the concerned regulatory authority/CGWA In this regard.	Copy of the same is attached as Annexure-III .
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.	Separate storm and process water drain are being provided.
6.	The company shall harvest rainwater from the roof of the buildings and storm water drains to recharge the ground water and utilize the same for Different industrial operations within the plant.	Rain water harvesting will be done at site. Captured water will be used for gardening, sanitation and other internal purposes.
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 regards.	Adequate stack height for DG set will be provided as per norms and emission will be within CPCB norms.
IV. Noise monitoring and prevention		
1.	Acoustic enclosure shall be provided to DG set for controlling the noise pollution.	Point is noted and same will be complied.
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 enclosure will be provided with DG set and Noise level will be maintained
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 night time.	Point is noted and Copy of Ambient noise level attached as Annexure-IV .

V. Energy Conservation measures		
1.	The energy sources for lighting purposes shall preferably be LED based.	Point is noted and same shall be complied.
VI. Waste management		
1.	Hazardous chemicals shall be stored in tank, tank farms, drums, carboys etc. Flame arresters shall be provided on tank farm and the solvent transfer through pumps.	Point is noted and same shall be complied.
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.	Point is noted and waste generated will be recycled in-house/ co-processed through authorised recyclers / disposal to CHWTSDF vendor after commissioning of plant.
3.	<p>The company shall undertake waste minimization measures as below.</p> <ol style="list-style-type: none"> Metering and control of quantities of active ingredients to minimize waste. Reuse of by products from the process as raw materials or as raw material substitutes in other processes. Use of automated filling to minimize spillage. Use of close feed system into batch reactors. Venting equipment through vapour recovery system. Use of high pressure hoses for equipment clearing to reduce wastewater generation 	Point is noted and same shall be complied.

VII. Green Belt		
1.	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.	Unit is developing green belt as per the norms. (Approx. 33% of total area ie.4.805 ha).
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.	Condition noted and complied.
2.	The unit shall make the arrangement for protection of possible fire hazard during manufacturing process in material handling. Fire fighting system shall be as per the norms.	Condition noted and will be complied.
3.	The PP shall provide Personal Protection Equipment (PPE) as per the norms of Factory Act	The employees/operators will be provided with adequate 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.	Condition noted and will be complied. Daily TBTs and job specific trainings would be conducted for staff/workers.
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,	Condition noted and complied. Labour hutment colony are being built by the construction agency near the site with all necessary

	mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	facilities.
6.	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Point is noted and will be complied.
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.	Unit has earmarked adequate space for parking of vehicles in the layout plan.
IX. Corporate Environment Responsibility		
1.	The project proponent shall comply with the provision contained in this Ministry OM vide F.No. 22-65/2017 – IA.III dated 1 st may 2018, as applicable, regarding Corporate Environment Responsibility.	Point is noted and same shall be complied with in due time period.
2.	The company shall have a well laid down environmental policy duly approve 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 environment/forest/wildlife norms/conditions. The company shall have defined system of reporting infringements/deviation/violation of the environment/forest/wildlife norms I conditions and / or shareholders/stake holder.	Point is noted and company's environmental policy is well documented and made available to all stakeholders.

	The copy of the board resolution in this regard shall be submitted to the MoEF &CC as a part of six – monthly report.	
3.	As 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.	Point is noted and shall be complied.
4.	Action plan for implementing EMP and environment 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 environment protection measures shall be kept in separate account and not to be diverted for any other purpose. Year's wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the six Monthly Compliance Report.	Point is noted and shall be complied.
5.	Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.	Point is noted and shall be complied after commissioning of plant.
X. Miscellaneous		
1.	As proposed ZLD shall be achieved.	Point is noted and same will be complied after commissioning of plant.
2.	Under any circumstances no effluent of any kind be discharged outside the premises of Factory.	Point is noted

3.	The project proponent shall make public the environmental clearance granted for their project along with the environmental condition 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.	Public notice has been published in two newspaper "Indian Express" on 27 August 2020 and "JanSatta" on 27 August 2020. Copy of the same is attached as Annexure-V (A) & V(B) .
4.	The copies of the environmental clearance shall be submitted by the project proponent 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	Complied. Copy attached as Annexure- VI
5.	The project proponent shall upload the status of the compliance of the stipulated environment clearance condition, including results of monitored data and in conditions, including results of monitored data on their website and update the same on half-yearly basis.	Point is noted and same is being complied.
6.	The project proponent shall monitor the criteria pollutants level namely; PM ₁₀ , SO ₂ , Nox (ambient levels as well as stack emissions) or critical sect oral 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.	Monitoring Reports are attached as Annexure-II .

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 environmental clearance portal.	Point is noted and complied.
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 prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company	Point is noted and same will be complied after commissioning of plant.
9.	The project proponent shall inform the Regional Office as well as the Ministry, the date of development work and start of production operation by the project.	Point is noted and intimation has been submitted to the office of UP-SEIAA with a copy to RO, MOEF, Lucknow.
10.	The project authorities must strictly adhere to the stipulation made by the State Pollution Control Board and the State Government.	Point is noted and same will be complied.
11.	The project proponent shall abide by all the commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.	Point is noted.
12.	No further expansion or modification in the plant shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change (MoEF &CC).	Point is noted.

13.	Concealing factual data or submission of false fabricated data may result in revocation of this environmental clearance and attract action under the provision of Environment (Protection) Act, 1986.	Point is noted and same will be complied.
14.	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Point is noted
15.	The Ministry reverse the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.	Point is noted
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.	Point is noted
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 Trans boundary 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.	Point is noted
18.	Any appeal against this EC shall lie with the	Point is noted.

	National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	
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CHAPTER-3

DETAILS OF ENVIRONMENTAL MONITORING

3.1 AMBIENT AIR QUALITY MONITORING

3.1.1 Ambient air Quality Monitoring Stations

Ambient air quality monitoring has been carried out near Main Gate (Plant Premises) (Station No: 1), Village – Jamsara (Station No: 2), Village – Som (Station No: 3) and near Umartali Railway Station (Station No: 4) to assess the ambient air quality. Three stations have been selected at 120° from the center. This will enable to have analytical understanding about air quality and the changes in the air environment in the study area with respect to the condition prevailing. Sampling at site was done from 24.03.2022 to 25.03.2022. The locations of the ambient air quality monitoring stations are given in Table 3.1: -

**Table 3.1,
Details of Ambient Air Quality Monitoring Stations**

Sr. No	Location Code	Location Name/Description	Environmental Setting of surrounding
1.	AAQ-1	Near Main Gate(Plant Premises) (Station No: 1)	Industrial
2.	AAQ-2	Village – Jamsara(Station No: 2)	Residential
3.	AAQ-3	Village – Som(Station No: 3)	Residential
4.	AAQ-4	Near Umartali Railway Station (Station No: 4)	Residential

AAQ-1: Near Main Gate (Plant Premises) (Station No: 1)

The sampler was placed near Main gate(Plant Premises) and was free from any obstructions. Surroundings of the sampling site represent industrial environmental setting.

AAQ- 2: Village – Jamsara (Station No: 2)

The sampler was placed in village Jamsara and was free from any obstructions. Surroundings of the sampling site represent residential environmental setting.

AAQ-3: Village – Som(Station No: 3)

The sampler was placed in Son village and it was also free from any obstructions. Surroundings of the sampling site represent residential environment setting.

AAQ-4: Near Umartali Railway Station (Station No: 4)

The sampler was placed near Umartali Railway Station and it was also free from any obstructions. Surroundings of the sampling site represent residential environment setting.

3.1.2 Ambient Air Quality Monitoring Methodology

Monitoring was conducted in respect of the following parameters:

- Particulate Matter 2.5 (PM_{2.5})
- Particulate Matter 10 (PM₁₀)
- Sulphur Dioxide (SO₂)
- Nitrogen Dioxide (NO₂)

The duration of sampling of PM_{2.5}, PM₁₀, SO₂ and NO₂ was 24 hourly continuous sampling per day duration monitoring. The monitoring was conducted for one day at the location. This is to allow a comparison with the National Ambient Air Quality Standards.

The air samples were analyzed as per standard methods specified by Central Pollution Control Board (CPCB) and IS: 5182. The techniques used for ambient air quality monitoring and minimum detectable levels are given in **Table 3.2**.

Fine Particulate Sampler instruments have been used for monitoring Particulate Matter 2.5 (PM_{2.5} i.e. <2.5 microns), and Reparable Dust Sampler with gaseous sampling attachment was used for sampling Reparable fraction (<10 microns), gaseous pollutants like SO₂, and NO₂.

Table 3.2

Techniques used for Ambient Air Quality Monitoring

Sr. No	Parameter	Technique	Range of Testing
1.	Particulate Matter 2.5	Fine Particulate Sampler, Gravimetric Method	12 – 1200
2.	Particulate Matter 10	Respirable Dust Sampler, with cyclone separator, Gravimetric Method	12 – 500
3	Sulphur dioxide	Modified West and Gaeke	6 – 1000
4.	Nitrogen Dioxide	Jacob & Hochheiser	6 – 750

Ambient Air Quality Monitoring Results

Ambient Air quality monitoring results for PM_{2.5}, PM₁₀, SO₂ and NO_x at all three locations are presented in **Table 3.3, 3.4 ,3.5 & 3.6** respectively.

Table 3.3

AAQ Results at Near Main Gate (Plant Premises) (Station No: 1)

Sr. No	Particulars	Protocol	Unit	Result	Standard as per NAAQS ; dated 18/11/ 2009
1	Particulate matters size less than 10 µm (PM ₁₀)	IS: 5182 (Part-23):2006 Reaffirmed: 2017	µg/m ³	95.12	For 24 hour =100
2	Particulate matters size less than 2.5 µm (PM _{2.5})	IS: 5182 (Part-24): 2019	µg/m ³	50.08	For 24 hour =60
3	Sulphur Dioxides (SO ₂)	IS: 5182 (Part-2): 2001 Reaffirmed: 2017	µg/m ³	9.48	For 24 hour =80
4	Nitrogen Oxide (NO ₂)	IS: 5182 (Part-6): 2006 Reaffirmed: 2017	µg/m ³	18.64	For 24 hour =80

Table 3.4

AAQ Results at Village – Jamsara (Station No: 2)

Sr. No	Particulars	Protocol	Unit	Result	Standard as per NAAQS ; dated 18/11/ 2009
1	Particulate matters size less than 10 µm (PM ₁₀)	IS: 5182 (Part-23):2006 Reaffirmed: 2017	µg/m ³	91.21	For 24 hour =100
2	Particulate matters size less than 2.5 µm (PM _{2.5})	IS: 5182 (Part-24): 2019	µg/m ³	46.30	For 24 hour =60
3	Sulphur Dioxides (SO ₂)	IS: 5182 (Part-2): 2001 Reaffirmed: 2017	µg/m ³	6.95	For 24 hour =80
4	Nitrogen Dioxide (NO ₂)	IS: 5182 (Part-6): 2006 Reaffirmed: 2017	µg/m ³	15.29	For 24 hour =80

Table 3.5

AAQ Results at Village – Som(Station No: 3)

Sr. No	Particulars	Protocol	Unit	Result	Range of testing /limit of detection	Standard as per NAAQS ; dated 18/11/ 2009
1	Particulate matters size less than 10 µm (PM ₁₀)	IS: 5182 (Part-23): 2006 Reaffirmed: 2017	µg/m ³	92.17	12 – 1200	For 24 hour =100
2	Particulate matters size less than 2.5 µm (PM _{2.5})	IS: 5182 (Part-24): 2019	µg/m ³	45.88	12 – 500	For 24 hour =60
3	Sulphur Dioxides (SO ₂)	IS: 5182 (Part-2): 2001 Reaffirmed: 2017	µg/m ³	12.05	6 – 1050	For 24 hour =80
4	Nitrogen Dioxide(NO ₂)	IS: 5182 (Part-6): 2006 Reaffirmed: 2017	µg/m ³	19.18	6 – 750	For 24 hour =80

Table 3.6

AAQ Results near Umartali Railway Station(Station No: 4)

Sr. No	Particulars	Protocol	Unit	Result	Range of testing /limit of detection	Standard as per NAAQS ; dated 18/11/ 2009
1	Particulate matters size less than 10 µm (PM ₁₀)	IS: 5182 (Part-23): 2006 Reaffirmed: 2017	µg/m ³	96.17	12 – 1200	For 24 hour =100
2	Particulate matters size less than 2.5 µm (PM _{2.5})	IS: 5182 (Part-24): 2019	µg/m ³	52.19	12 – 500	For 24 hour =60
3	Sulphur Dioxides (SO ₂)	IS: 5182 (Part-2): 2001 Reaffirmed: 2017	µg/m ³	6.34	6 – 1050	For 24 hour =80
4	Nitrogen Dioxide(NO ₂)	IS: 5182 (Part-6): 2006 Reaffirmed: 2017	µg/m ³	17.26	6 – 750	For 24 our =80

Discussion on Ambient Air Quality in the Study Area

The value of PM₁₀ at Ambient Air Monitoring Station No: 1, 2 ,3 & 4 are 95.12 µg/m³, 91.21µg/m³, 92.17 µg/m³ & **96.17** µg/m³ respectively which were within permissible limit of 100 µg/m³ and PM_{2.5} levels are 50.08 µg/m³ at Station No: 1, 46.30 µg/m³ at Station No: 2, 45.88 µg/m³ at Station No: 3 and 52.19 µg/m³ at Station No: 4, were also observed within permissible limit of 60 µg/m³ (for residential, rural and other areas as stipulated in the National Ambient Air Quality Standards). SO₂ ranges between 6.34 µg/m³ to 12.05 µg/m³ and NO₂ ranges between 15.29 µg/m³ to 19.18 µg/m³ was also observed within the corresponding stipulated limits (Limit for SO₂ and NO₂; 80 µg/m³) at all of the 4 monitoring locations. Station wise variation of ambient air quality parameters has been graphically shown in Figure 3.1 to 3.4.

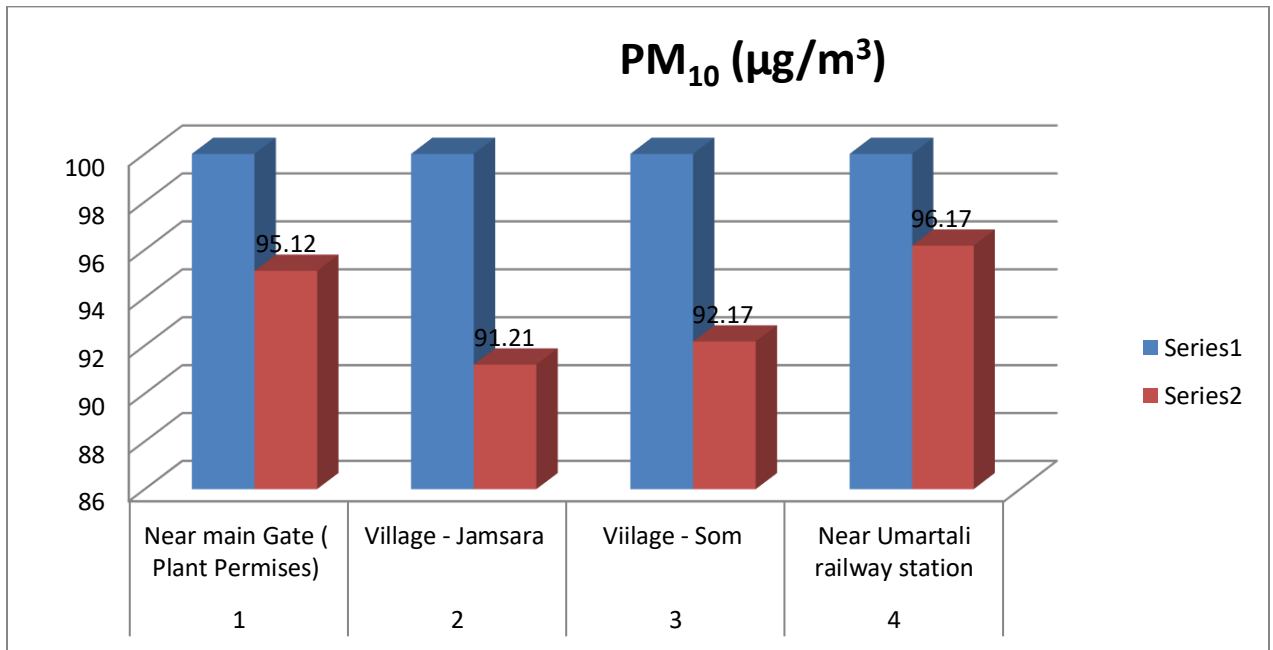


Figure 3.1: Graphs Showing PM10 Concentration at all sites

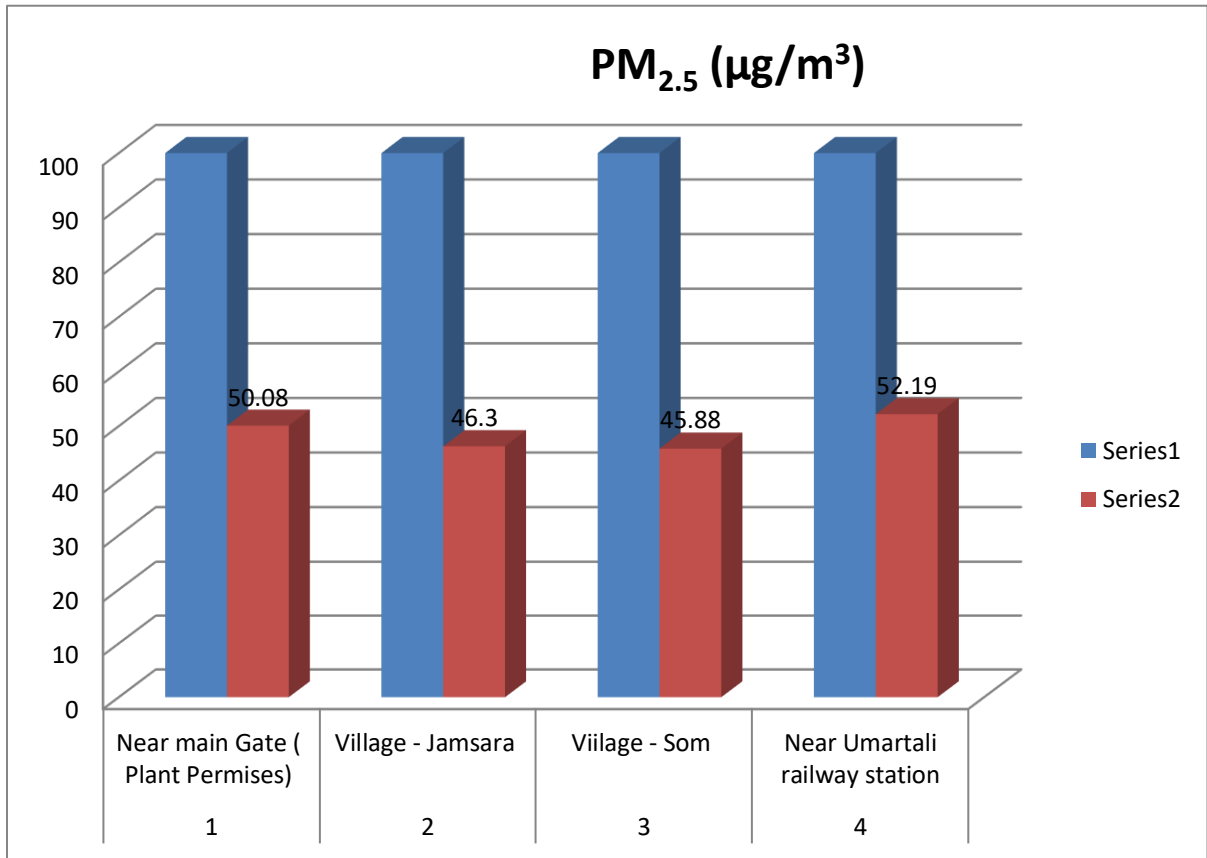


Figure 3.2: Graphs Showing PM_{2.5} Concentration at all sites

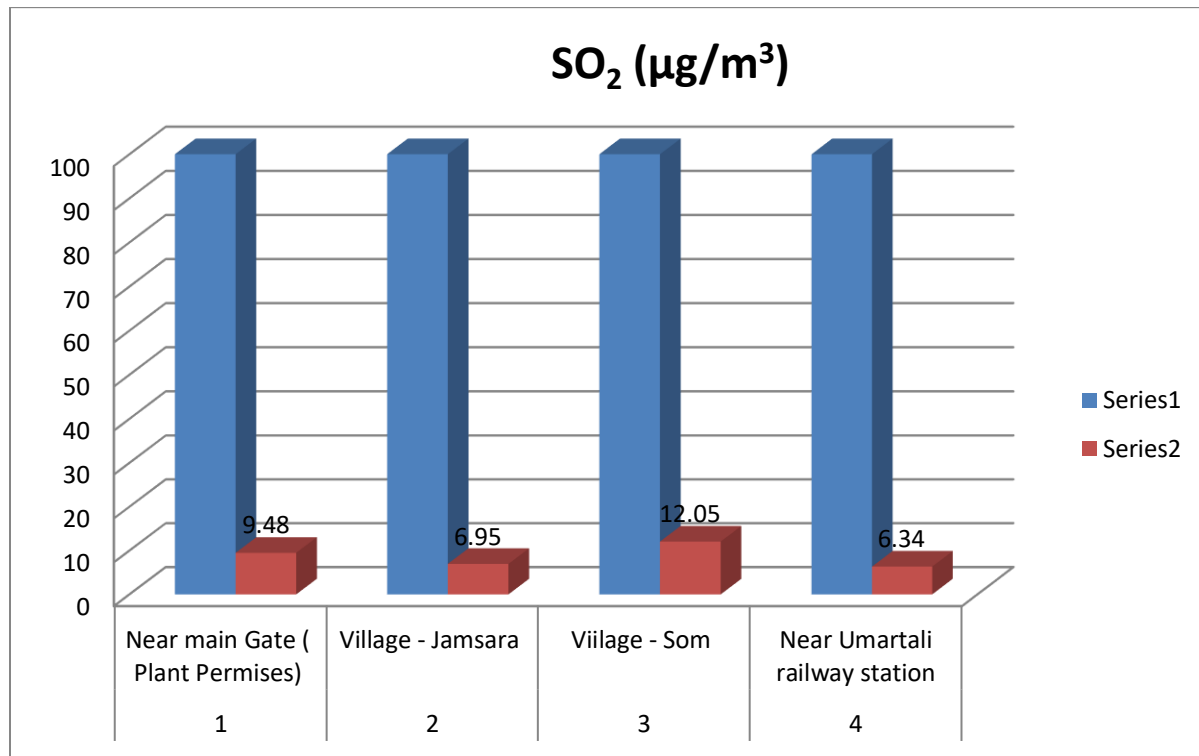


Figure 3.3: Graphs Showing SO₂ Concentration at all sites

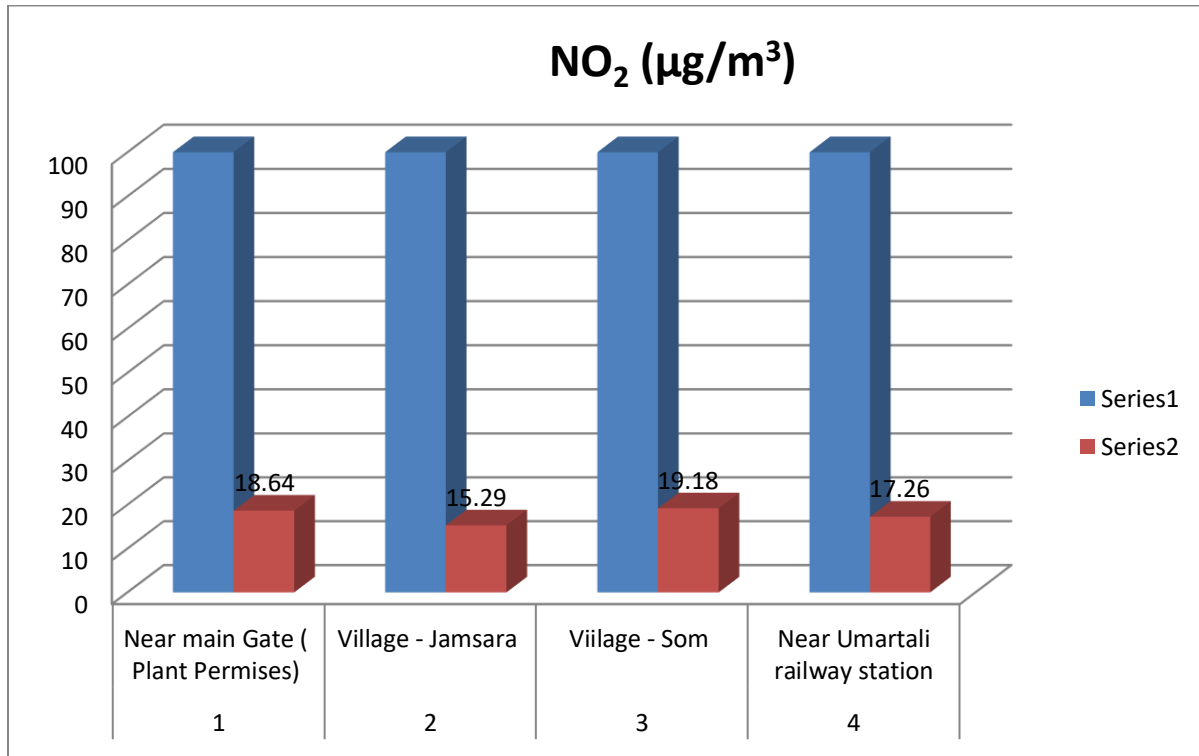


Figure 3.4: Graphs Showing NO_x Concentration at all sites

3.2 AMBIENT NOISE MONITORING

3.2.1 Ambient Noise Monitoring Locations

The main objective of noise monitoring in the study area is to assess the present ambient noise levels near project site due to various construction activities and increased vehicular movement. A preliminary reconnaissance survey has been undertaken to identify the major noise generating sources in the area. Monitoring was done on 25.03.2022. Ambient noise monitoring was conducted at 2 location as given in **Table 3.7**.

Table 3.7

Details of Ambient Noise Monitoring Stations

Sr. No	Location Code	Location name and description	Present Land use
1.	NQ-1	Near Main Gate	Industrial
2.	NQ-2	Village –Som	Residential

3.2.2 Methodology of Noise Monitoring

Noise levels were measured using sound level meter. Noise level monitoring was carried out continuously for 24-hours with one-hour interval starting at 06:00 hrs to 06:00 hrs next day. The noise levels were monitored on working days only. During each hour Leq were directly computed by the instrument based on the sound pressure levels. Monitoring was carried out at 'A' response.

3.2.3 Ambient Noise Monitoring Results

The location wise ambient noise monitoring results is summarized in **Table 3.8**. The noise levels are graphically presented in **Figure 3.5**.

Table 3.8 Ambient Noise Monitoring Results

Ambient Noise Level					
Sr. No.	Locations	Parameter	Unit	Results DAY TIME (6:00 AM – 10:00 PM)	Results NIGHT TIME (10:00 PM – 6:00 AM)
1.	Near Main Gate	Equivalent sound level	dB(A)	66.7	56.9
2.	Village –Som	Equivalent sound level	dB(A)	51.0	46.0

3.2.4 Discussion on Ambient Noise Levels in the Study Area

Day Time Noise Levels (L_{day}):

The day time noise level at monitoring station No.1. Near Main Gate And station No.2. Village Som were found 66.7 – 51.0 dB (A), which is within the limits prescribed for industrial area i.e. 75 db (A).

Night Time Noise Levels (L_{night}):

The night time noise level at monitoring station No.1. Near Main Gate And station No.2. Village Som was found 56.9 – 46.0 dB (A), which is within the limit prescribed for industrial area i.e. 70 dB (A).

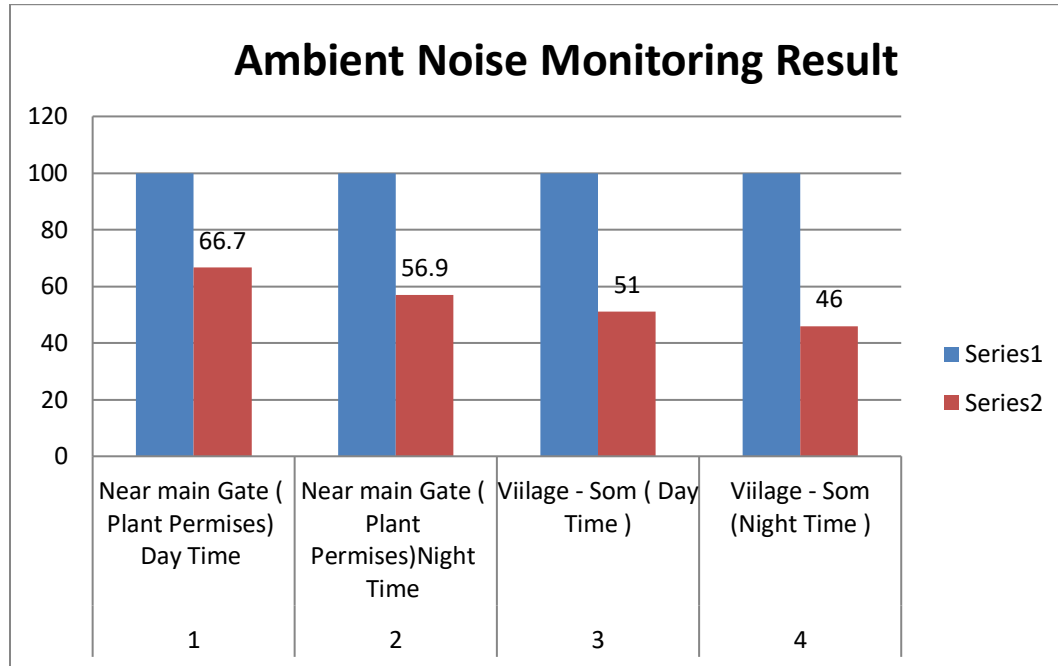


Figure 3.5: Graphs Showing Day & Night Time Noise Level

3.3 GROUND WATER QUALITY MONITORING

3.3.1 Ground water Quality Monitoring Locations

Keeping in view the importance of ground water, sample of ground water was collected from the project site for the assessment of impacts of the project on the groundwater quality. Water sample was collected from the project site. The sample was analyzed for various parameters to compare with the standards for Ground water as per IS: 10500:2012 for Groundwater sources **Annexure-VII** . The details of water sampling locations are given in **Table 3.9**.

Table 3.9

Details of Water Quality Monitoring Station

Sr. No	Location Code	Location name and description	Date of Monitoring
1.	GW-1	Ground Water inside site	12.03.2022

3.3.2 Methodology of ground water Quality Monitoring

Sampling of ground water was carried out on 12.03.2022. Sample was collected as grab sample and sampling forms are filled in as per the sampling plan. The preservative sample was properly added to preserve as per standard operating procedures (SOP) and stored immediately in ice boxes, which were ensured for appropriate temperatures. **Sample for chemical analysis was collected in polyethylene carboys. Sample collected for metal content were acidified to <2 pH with 1 ml HNO₃. A sample for bacteriological analysis was collected in sterilized glass bottles.**

Soon after the completion of sampling, chain of custody sheets for the samples are filled in and then they were transported by road to testing laboratory for further analysis. Proper care was taken during packing and transportation of samples. All the samples reached the central laboratory within the holding times for different parameters. After ensuring the same the samples was forwarded immediately for analysis.

The samples was analysed as per the standard procedures specified in 'Standard Methods for the Examination of Water and Wastewater' published by American Public Health Association (APHA), IS and CPCB. The analytical techniques and the test methods adopted for testing of ground water is given in **Table 3.10**.

3.3.3 Ground water Quality Monitoring Results

The detailed Ground water quality monitoring results are presented in **Table 3.10**

Table 3.10:

Ground water Quality Results at Hand pump (within premises)

S. No.	Parameters	Method	Requirement (Acceptable Limit) IS:1050-2012	Permissible Limit in Absence of Alternate Source (IS:1050-2012)	Result
Discipline : Chemical Group : Water					
A. Organoleptic & Physical Parameter					
a.	Colour (Hazen Units)	IS:3025(Part 4)	5 Max.	5 Max.	<1.0
b.	Odour	IS:3025(Part 5)	Agreeable	Agreeable	Agreeable
c.	Taste	IS:3025(Part 7 & 8)	Agreeable	Agreeable	Agreeable
d.	Turbidity(NTU)	IS:3025(Part 10)	1 Max.	5 Max.	<1.0
e.	pH Value	IS:3025 (Part – 11)	6.5-8.5	No relaxation	7.45
f.	Total Dissolved Solids,(mg/l)	IS:3025(Part 16)	500 Max.	2000 Max.	292.0
B. Parameters Concerning Undesirable Substances in excess amount					
a.	Aluminum as Al, (mg/l)	IS:3025(Part 55)	0.03 Max.	0.2 Max.	BDL(0.01)
b.	Ammonia (as total ammonia-N) (mg/l)	IS:3025(Part 34)	0.5 Max.	No Relaxation	BDL (0.1)
c.	Anionic detergent(as MBAS),(mg/l)	Annex K of IS : 13428	0.2 Max.	1.0 Max.	BDL (0.01)
d.	Barium (as Ba) (mg/l)	Annex F of IS : 13428	0.7 Max.	No relaxation	BDL(0.003)
e.	Boron (as B) (mg/l)	Cl. 29 of IS :3025	0.5 Max.	1 Max.	BDL (0.1)
f.	Calcium (as Ca), (mg/l)	IS:3025(Part 40)	75 Max.	200 Max.	24
g.	Chloride(as Cl) (mg/l)	IS:3025(Part 32)	250 Max.	1000 Max.	33.0
h.	Copper (as Cu) (mg/l)	IS:3025(P-42)	0.05 Max.	1.5 Max.	BDL (0.1)
i.	Fluoride as F (mg/l)	IS:3025(Part 60)	1.0 Max.	1.5 Max.	BDL (0.1)

j.	Free Residual Chlorine, (mg/l)	IS:3025(P-26)	0.2 Min.	1.0 Max.	BDL (0.1)
k.	Iron (as Fe) (mg/l)	IS:3025(Part 53)	0.3 Max.	No relaxation	BDL (0.03)
l.	Magnesium as Mg (mg/l)	IS:3025(Part 46)	30 Max.	100 Max.	31
m.	Manganese as Mn, (mg/l)	IS:3025(Part 59)	0.1 Max.	0.3 Max.	BDL(0.001)
o.	Mineral Oil, (mg/l)	Clause 6 of IS:3025(Part39)	0.5 Max.	No Relaxation	BDL(0.1)
p.	Nitrate as NO ₃ (mg/l)	IS:3025(Part 34)	45 Max.	No Relaxation	0.5
q.	Phenolic compounds (as C ₆ H ₅ OH), (mg/l)	IS:3025(P-43)	0.001 Max.	0.002 Max.	BDL(0.001)
r.	Selenium (as Se) (mg/l)	IS:3025(P-56)	0.01 Max.	No Relaxation	BDL(0.002)
s.	Silver (as Ag) (mg/l)	Annex J of IS:13428	0.1 Max.	No Relaxation	BDL(0.001)
t.	Sulphate(as SO ₄) (mg/l)	IS:3025(Part 24)	200 Max.	400 Max.	26.0
u.	Sulphide as H ₂ S, (mg/l)	IS:3025(Part 29)	0.05 Max.	No Relaxation	BDL(0.025)
v.	Total Alkalinity(as CaCO ₃)(mg/l)	IS:3025(Part 23)	200 Max.	600 Max.	152.0
w.	Total Hardness(as CaCO ₃), (mg/l)	IS 3025 (Part 21)	200 Max.	600 Max.	133.0
x.	Zinc(as Zn)(mg/l)	IS:3025(P-49)	5 Max.	15 Max.	BDL(0.025)
C.	Parameters Concerning Toxic Substances				
a.	Cadmium(as Cd)(mg/l)	IS:3025(P-41)	0.003 Max.	No Relaxation	BDL(0.002)
b.	Cyanide(asCN)(mg/l)	IS:3025(Part 27)	0.05 Max.	No Relaxation	BDL(0.01)
c.	Lead(as Pb)(mg/l)	IS:3025(P-47)	0.01 Max.	No Relaxation	BDL(0.002)
d.	Mercury(as Hg)(mg/l)	IS:3025(P-48)	0.001 Max.	No Relaxation	BDL(0.0002)
e.	Nickel(as Ni) (mg/l)	IS:3025(P-54)	0.02 Max.	No Relaxation	BDL(0.0002)
f.	Total Arsenic as (mg/l)	APHA 6630/ITAC/o8-02	0.0005 Max.	No Relaxation	BDL(0.0001)
g.	Total Chromium as Cr (mg/l)	APHA 66340/ITAC/o8-02	0.0001 Max.	No Relaxation	BDL(0.001)

Discipline : Biological Quality of Drinking Water :					
D.	Microbiological Tests				
a.	<i>E. Coli/100 ml</i>	IS:1622-1981	Absent	No Relaxation	Absent
b.	Total Coliform Count/100 ml	IS:1622-1981	Absent	No Relaxation	Absent

BDL (Below Detection Limit)

3.4. SOIL MONITORING

3.4.1 Soil Monitoring Locations

The objective of the soil monitoring is to identify the impacts of ongoing project activities on soil quality and also predict impacts, which have arisen due to execution of various construction activities. Accordingly, a study of assessment of the soil quality has been carried out.

To assess impacts of ongoing project activities on the soil in the area, the Physico-chemical characteristics of soils were examined by obtaining soil samples from selected points and analysis of the same. Single sample of soil was collected from the project site for studying soil characteristics, the location of which is listed in **Table 3.11**.

Table 3.11

Details of Soil Monitoring Stations

Sr. No	Location Code	Location name and description
1.	SQ-1	Within Plant Premises

3.4.2 Methodology of Soil Monitoring

The sampling has been done in line with IS: 2720 & Methods of Soil Analysis, Part-1st, 2nd Edition, 1986 of American Society for Agronomy and Soil Science Society of America. The homogenized samples were analyzed for physical and chemical characteristics (physical, chemical and heavy metal concentrations). The soil samples were collected on 25.03.2022. The samples have been analyzed as per the established scientific methods for Physico-chemical parameters **Vnnexure VIII**.

The heavy metals have been analyzed by using Atomic Absorption Spectro-photometer.

3.4.3 Soil Monitoring Results

Single sample of soil is collected from the site to check the quality of soil of the study area. The Physico-chemical characteristics of the soil, as obtained from the analysis of the soil sample, are presented in **Table 3.12**.

Table 3.12

Physico-Chemical Characteristics of Soil at Near Main Gate-1

<i>S.No.</i>	<i>Test Parameter</i>	<i>Protocol/ Test Method</i>	<i>Result</i>
a.	pH Value(1 % sol.)	STP/ITC/EW-20	7.82
b.	Moisture Content (% by mass)	STP/ITC/EW-17	10.25
c.	Nitrogen(as N)(% by mass)	STP/ITC/EW/010	0.010
d.	Phosphorous(as P), (% by mass)	STP/ITC/EW-16	0.005
e.	Potassium(as K)(% by mass)	STP/ITC/EW-11	0.009
f.	Calcium(as CaO)(% by mass)	IS: 2720 (P-23)	5.30
g.	Magnesium(as MgO)(% by mass)	STP/ITC/EW-13	1.35
h.	Conductivity(μ mhos/cm)(1 % sol.)	IS 14767	50.1
i.	Lead(as Pb)(mg/kg)	STP/ITC/EW-07	10.89
j.	Iron(as Fe ₂ O ₃)(% by mass)	STP/ITC/EW-07	0.60
k.	Zinc(as Zn) (mg/kg)	STP/ITC/EW-07	130.89
l.	Copper(as Cu)(mg/kg)	STP/ITC/EW-07	20.52
m.	Nikel (as Ni) (mg/kg)	STP/ITC/EW-07	10.98
n.	Total Chromium(as Cr) (mg/kg)	STP/ITC/EW-07	17.54
o.	Mercury (as Hg) (mg/kg)	STP/ITC/EW-07	32.25
p.	Cadmium(as Cd) (mg/kg)	STP/ITC/EW-07	BLQ(LOQ:1.0)
q.	Hexavalent Chromium(asCr+6)(mg/l)	STP/ITC/EW-07	Na
r.	Chloride (as Cl) (%by mass)	STP/ITC/EW-07	0.003

3.4.4 Discussion on Soil Characteristics in the Study Area

The soil in study area is characterized by moderate organic content. The soil quality in the project area has not been affected by the project activities.

Six Monthly Compliance Report of Environmental Clearance for Integrated Paint plant at Plot No. - B4 & B5 at Sandila Industrial Area Phase- I, District: Hardoi (U.P.) by M/s Berger Paints India Limited.

**EC Compliance
Oct -2021 to
March -
2022**

Annexure- I

CTE Berger Certificate



UTTAR PRADESH POLLUTION CONTROL BOARD
Building. No TC-12V Vibhuti Khand, Gomti Nagar, Lucknow-226010

Phone:0522-2720828,2720831, Fax:0522-2720764, Email: info@uppcb.com, Website: www.uppcb.com

Validity Period :01/12/2021 To 31/12/2025

Ref No. - 108095/UPPCB/Unnao(LAB)/CTE/HARDOI/2020

Dated:- 01/01/2021

To ,

Shri MR. ABHIJIT ROY
M/s BERGER PAINTS INDIA LIMITED
Berger Paints India Limited, B4 & B5, Sandila Industrial Area, District Hardoi
HARDOI

Sub : Consent to Establish for New Unit/Expansion/Diversification under the provisions of Water (Prevention and control of pollution) Act, 1974 as amended and Air (Prevention and control of Pollution) Act, 1981 as amended.

Please refer to your Application Form No.- 9891720 dated - 24/11/2020. After examining the application with respect to pollution angle, Consent to Establish (CTE) is granted subject to the compliance of following conditions :

1. Consent to Establish is being issued for following specific details :

A- Site along with geo-coordinates :

B- Main Raw Material :

Main Raw Material Details		
Name of Raw Material	Raw Material Unit Name	Raw Material Quantity
for water based paint attached Raw material list-1	Metric Tonnes/Month	11032.87
For Powder putty attached Raw Material list-3	Metric Tonnes/Month	5002
For Solvent based paint attached raw material list-2	Metric Tonnes/Month	5768.243

C- Product with capacity :

Product Detail	
Name of Product	Product Quantity
SOLVENT BASED PAINTS (KL-MT/MONTH)	5750
WATER BASED PAINTS (KL-MT/MONTH)	11000
POWDER PUTTY (MT/MONTH)	5000

D- By-Product if any with capacity :

By Product Detail			
Name of By Product	Unit Name	Licence Product Capacity	Install Product Capacity
NA	Metric Tonnes/Day	0	0

2. Water Requirement (in KLD) and its Source :

Source of Water Details		
Source Type	Name of Source	Quantity (KL/D)
Ground Water (within premises)	BORE WELL	719.0

3. Quantity of effluent (In KLD) :

Effluent Details	
Source Consumption	Quantity (KL/D)
Domestic	8.0
Industrial	711.0
Process	257.0
Boiler	18.0
Cooling	382.0
Others(Dust Suppression)	4.0
Others(Washing)	14.0
Others(Plantation)	130.0
aaa	5.0
aaa	13.0
aaa	1.0

4. Fuel used in the equipment/machinery Name and Quantity (per day) :

Fuel Consumption Details		
Fuel	Consumption(tpd/kld)	Use
Diesel	10.44	435 Lit/Hr for Steam Boiler, Thermic Fluid heater, DG Set (Considering three shift operation)
Others	1.776	74 Kg/Hr for Thermic Fluid Heater

5. For any change in above mentioned parameters, it will be mandatory to obtain Consent to Establish again. No further expansion or modification in the plant shall be carried out without prior approval of U.P. Pollution Control Board.

For any change in above mentioned parameters, it will be mandatory to obtain Consent to Establish again. No further expansion or modification in the plant shall be carried out without prior approval of U.P. Pollution Control Board.

2. You are directed to furnish the progress of Establishment of plant and machinery, green belt, Effluent Treatment Plant and Air pollution control devices, by 10th day of completion of subsequent quarter in the Board.
3. Copy of the work order/purchase order, regarding instruction and supply of proposed Effluent Treatment Plant/Sewerage Treatment Plant /Air Pollution control System shall be submitted by the industry till 31/12/2025 to the Board.
4. Industry will not start its operation, unless CTO is obtained under water (Prevention and control of Pollution) Act, 1974 and Air (Prevention and control of Pollution)Act, 1981 from the Board.
5. It is mandatory to submit Air and Water consent Application,complete in all respect, four months before start of operation, to the U.P. Pollution Control Board.
6. Legal action under water (Prevention and control of Pollution) Act, 1974 and Air (Prevention and Control of Pollution) Act,1981 may be initiated against the industry With out any prior information,in case of non compliance of above conditions.

Specific Conditions:

1. The CTE is being granted to M/s Berger Paints India Ltd., to establish Integrated plant at B-4, B5, Sandila, Industrial Area, Hardoi for the production of Water Base paints-11000 MT/month, Emulsion Intimated-5000 MT/month, Liquid Solvent Based Paint-5750 Kl/month, Resin Intimated-4000 MT/month and Powder Putty-5000 MT/month by using Liquid Solvent Base Paints raw material (BENZOIC ACID, ACETIC ACID, ACID PHOSPHORIC, ADIPIC ACID etc.), Water Base Paints raw material (methacrylic acid, hydrochloric acid commercial, potassium persulphate, Sod. bicarbonate etc.), and Powder Putty raw material (Water cement, Calcite/Dolomite Powder, RD Power, MHEC etc.)
2. In the case of any change/enhancement of capacity or process, further prior permission shall be obtained from the Board. This CTE shall be valid from the date of issue.
3. The unit shall install the STP (capacity-20.0 KLD as proposed) in such a manner so that it can achieve the standard specified in the notification issued by Ministry of Environment , Forest & Climate Change vide GSR 1265 (E) dated 13-10-2017 in the time period as specified in the notification.
4. For the treatment of industrial waste water an ETP of capacity (150 KLD) shall be installed as proposed. The treated water shall be further treated in RO Stage-1, R O Stage-2 and then finally evaporated to maintain Zero Liquid Discharge as per proposal.
5. The industry shall ensure to maintain ZLD situation all the time and no waste water shall be discharged outside the premises and nearest drain/river.
6. The industry shall ensure to install a HSD Fired Steam Boilers (03 nos.) of capacity 600 Kg/hr and 02 nos. Boilers of capacity 850 kg/hr and along with stacks of 30 meter height shall be attached with each boiler. No solid fuel shall be used as fuel.
7. The industry shall ensure to install 02 nos. Thermic Fluid Heaters each of capacity of 25 lakh kilo calorie/hr and 2 nos. of capacity 30 lakh kilo calorie/hr and along with 30 meter high chimney from Ground Level attached with each Thermic Fluid Heaters.
8. The industry shall operate and maintain the Air Pollution Control System (i.e. dust collection system and bag filters) efficiently and continuously so that parameters achieved the prescribed emission standards.
9. The stack monitoring report conducted by any NABL accredited lab shall be submitted quarterly.
10. The ash generated from the Thermic Fluid Heaters shall be sprinkled upon with water and disposed of safely.
11. The industry shall dispose the hazardous waste through authorized recyclers/TSDf and prior Authorization shall be obtained.
12. The industry shall comply with the order/directions issued by Hon'ble NGT /Hon'ble Supreme Court/Hon'ble High court & Board time to time.
13. Unit shall develop green belt as per the protocol of Board's office order H16405/220/2018/02 dated 16-02-2018, which is available on Board's Website www.uppcb.com.
14. The web cameras shall be installed at the proper places. Online continuous monitoring system shall be installed for monitoring of emissions and connected with CPCB/Board's server.
15. The industry shall comply with the provisions of Environment (Protection) Amendment, Rules 2018 notified by MoEF&CC by Notification no 49 Dt. 25-01-2018, Environment (Protection) Act 1986, Water (Prevention and Control of Pollution) Act, 1974 as amended, Air (Prevention and Control of Pollution) Act, 1981 as amended ,Plastic Waste Management Rules 2016, E- Waste (Management) Rules 2016, Solid Waste Management Rules 2016 & Hazardous and other Waste (Management and Transboundary Movement) Rules 2016 (Whichever is applicable).
16. The industry shall submit plan for Ash utilization within 2 months from the date of issue of this certificate. Ash shall not be stored outside the industry premises or near any surface water body

or pond.

17. The industry shall comply with the conditions as imposed in Environmental Clearance vide letter no. 96/Parya/SEIAA/4604/2019 dated 29.05.2020 from SEIAA.

18. The industry shall comply with the conditions as imposed in NOC from CGWA dated 23.03.2020.

19. The industry shall install Piezometer at sources of water extraction.

20. The industry shall install facility for Rain Water harvesting.

21. On-Site Disaster Management plan must be submitted to the Board to prevent any disaster from Storage of Hazardous chemicals within the industrial premises and must NOCs from relevant departments for storage of such chemicals.

22. The industry shall submit a bank guarantee of Rs 10.0 Lac in favour of the Board incorporating the condition no. 01 to 19 within 15 days for ensuring the compliance of conditions. Please note that consent to Establish will be revoked, in case of, non compliance to any of the above mentioned conditions. Board reserves its right for amendment or cancellation of any of the conditions specified above. Industry is directed to submit its first compliance report regarding above mentioned specific and general conditions till 30/01/2021 in this office. Ensure to submit the regular compliance report otherwise this Consent to Establish will be revoked.

Please note that consent to Establish will be revoked, in case of, non compliance of any of the above mentioned conditions. Board reserves its right for amendment or cancellation of any of the conditions specified above. Industry is directed to submit its first compliance report regarding above mentioned specific and general conditions till 01/02/2021 in this office. Ensure to submit the regular compliance report otherwise this Consent to Establish will be revoked.

Chief Environmental Officer, Circle-5, UPPCB.

Dated:- 01/01/2021

Copy To -

Regional Officer, UPPCB, Unnao.

Chief Environmental Officer, Circle-5, UPPCB.

Six Monthly Compliance Report of Environmental Clearance for Integrated Paint plant at Plot No. - B4 & B5 at Sandila Industrial Area Phase- I, District: Hardoi (U.P.) by M/s Berger Paints India Limited.

**EC Compliance
Oct -2021 to
March -
2022**

Annexure- II

Ambient Air Quality Monitoring Report

Test Report


Document QF : 2501
Page 1 of 2

Issued To Berger Paints India Limited Plot No.B4 & B5, Phase-1, UPSIDC, Sandila, Distt. HarDOI Sandila	Sample Reg. No. :E01-2203311567
	Sample Reg. Date :31-03-2022
	Report Date :08-04-2022
	Report No. :ICE-2204080307
	NABL ULR No. :TC592622000005756F
	Customer Ref. No. :-
	Letter Dated :-

Test Report as per :	: NAAQS 2009
General Information :	
Location of Sampling Point	: Near Main Gate (Plant Premises) Station No.1
Date of Monitoring	: 24-03-2022
Time of Monitoring	: 09:20 hrs
Purpose of Monitoring	: To assess the pollution level
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.30
Volume of air sampled,m3	: 1769.30
Avg. Ambient Temperature,°C	: 34

Description				
Description		Ambient Air Quality Monitoring		
S.No.	Parameters	Method	Specification	Result
Discipline : Chemical				
Group : Atmospheric Pollution				
1.	Ambient Air Quality Parameters			
a.	Sulphur Dioxide(SO ₂),µg/m ³	IS:5182(P-2)	80 Max	9.48
b.	Nitrogen Dioxide(NO ₂),µg/m ³	IS:5182(P-6)	80 Max	18.64
c.	Particulate Matter (PM ₁₀),µg/m ³	IS:5182(P-23)	100 Max	95.12
d.	Particulate matter (PM _{2.5}),µg/m ³	STP/ITC/EW-01	60 Max	50.08


Saurabh Sharma
08-04-2022
Reviewer


08-04-2022
PremKumar
[Authorized Signatory]

Disclaimer :

- The report is only for the sample tested.
- Total liability of ITC Labs is limited to the invoiced amount.
- The test report shall not be reproduced except in full without the written approval of the laboratory.
- If samples not consumed during analysis, it will be stored and retain as per company policy.
- Samples not drawn by us unless otherwise stated.
- Test report in full or parts shall not be used for promotional or publicity purposes.
- Legal disputes are subjected to Panchkula Jurisdiction only.

Test Report

Document QF : 2501
Page 2 of 2

Issued To Berger Paints India Limited Plot No.B4 & B5, Phase-1, UPSIDC, Sandila, Distt. Hardoi Sandila	Sample Reg. No. :E01-2203311567 Sample Reg. Date :31-03-2022 Report Date :08-04-2022 Report No. :ICE-2204080307 NABL ULR No. :TC592622000005756F Customer Ref. No. :- Letter Dated :-
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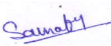
e.	Ozone(O ₃),µg/m ³	IS:5182(P-9)	180 Max	19.22
f.	Lead(As Pb),µg/m ³	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ:0.1)
g.	Carbon Monoxide(CO),mg/m ³	IS:5182(P-10)	4 Max	1.3
h.	Ammonia(NH ₃),µg/m ³	Method of Air Sampling & Analysis(Method No. 401)	400 Max	33.11
i.	Benzene (C ₆ H ₆),µg/m ³	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)
j.	Benzo (a) Pyrene Particulate Phase only,ng/m ³	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m ³	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ:1.0)
l.	Nickel(As Ni),ng/m ³	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ:1.0)


'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirement as per NAAQS 2009.
Sampling Procedure: SOP/ITC/EW/056

REMARKS :N/A

*****End Of Report*****


Saurabh Sharma
08-04-2022
Reviewer


08-04-2022
PremKumar
[Authorized Signatory]

Disclaimer :

- The report is only for the sample tested.
- Total liability of ITC Labs is limited to the invoiced amount.
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- If samples not consumed during analysis, it will be stored and retain as per company policy.
- Samples not drawn by us unless otherwise stated.
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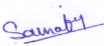
Test Report

Document QF : 2501
Page 1 of 2

Issued To Berger Paints India Limited Plot No.B4 & B5, Phase-1, UPSIDC, Sandila, Distt. HarDOI Sandila	Sample Reg. No. :E01-2203311568
	Sample Reg. Date :31-03-2022
	Report Date :08-04-2022
	Report No. :ICE-2204080308
	NABL ULR No. :TC592622000005758F
	Customer Ref. No. :-
	Letter Dated :-

Test Report as per :	: NAAQS 2009
General Information :	
Location of Sampling Point	: Village- Jamsara (Station No.2)
Date of Monitoring	: 24-03-2022
Time of Monitoring	: 12:30 hrs
Purpose of Monitoring	: To assess the pollution level
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.28
Volume of air sampled,m3	: 1742.08
Avg. Ambient Temperature,°C	: 34

Description				
Description		Ambient Air Quality Monitoring		
S.No.	Parameters	Method	Specification	Result
Discipline : Chemical				
Group : Atmospheric Pollution				
1.	Ambient Air Quality Parameters			
a.	Sulphur Dioxide(SO ₂),µg/m ³	IS:5182(P-2)	80 Max	6.95
b.	Nitrogen Dioxide(NO ₂),µg/m ³	IS:5182(P-6)	80 Max	15.29
c.	Particulate Matter (PM ₁₀),µg/m ³	IS:5182(P-23)	100 Max	91.21
d.	Particulate matter (PM _{2.5}),µg/m ³	STP/ITC/EW-01	60 Max	46.30


Saurabh Sharma
08-04-2022
Reviewer


08-04-2022
PremKumar
[Authorized Signatory]

Disclaimer :

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Test Report

Issued To Berger Paints India Limited Plot No.B4 & B5, Phase-1, UPSIDC, Sandila, Distt. Hardoi Sandila	Sample Reg. No. :E01-2203311568 Sample Reg. Date :31-03-2022 Report Date :08-04-2022 Report No. :ICE-2204080308 NABL ULR No. :TC592622000005758F Customer Ref. No. :- Letter Dated :-
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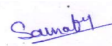
e.	Ozone(O ₃),µg/m ³	IS:5182(P-9)	180 Max	22.15
f.	Lead(As Pb),µg/m ³	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ:0.1)
g.	Carbon Monoxide(CO),mg/m ³	IS:5182(P-10)	4 Max	1.4
h.	Ammonia(NH ₃),µg/m ³	Method of Air Sampling & Analysis(Method No. 401)	400 Max	30.14
i.	Benzene (C ₆ H ₆),µg/m ³	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)
j.	Benzo (a) Pyrene Particulate Phase only,ng/m ³	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m ³	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ:1.0)
l.	Nickel(As Ni),ng/m ³	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ:1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirement as per NAAQS 2009.
 Sampling Procedure: SOP/ITC/EW/056

REMARKS :N/A

*****End Of Report*****


 Saurabh Sharma
 08-04-2022
 Reviewer


 08-04-2022
 PremKumar
 [Authorized Signatory]

Disclaimer :

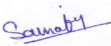
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Test Report

Issued To Berger Paints India Limited Plot No.B4 & B5, Phase-1, UPSIDC, Sandila, Distt. Hardoi Sandila	Sample Reg. No. :E01-2203311569
	Sample Reg. Date :31-03-2022
	Report Date :08-04-2022
	Report No. :ICE-2204080309
	NABL ULR No. :TC592622000005759F
	Customer Ref. No. :-
	Letter Dated :-

Test Report as per :	: NAAQS 2009
General Information :	
Location of Sampling Point	: Village- Som (Station No.3)
Date of Monitoring	: 24-03-2022
Time of Monitoring	: 10:00 hrs
Purpose of Monitoring	: To assess the pollution level
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.25
Volume of air sampled,m3	: 1695.73
Avg. Ambient Temperature,°C	: 35

Description				
Description		Ambient Air Quality Monitoring		
S.No.	Parameters	Method	Specification	Result
Discipline : Chemical				
Group : Atmospheric Pollution				
1.	Ambient Air Quality Parameters			
a.	Sulphur Dioxide(SO ₂),µg/m ³	IS:5182(P-2)	80 Max	12.05
b.	Nitrogen Dioxide(NO ₂),µg/m ³	IS:5182(P-6)	80 Max	19.18
c.	Particulate Matter (PM ₁₀),µg/m ³	IS:5182(P-23)	100 Max	92.17
d.	Particulate matter (PM _{2.5}),µg/m ³	STP/ITC/EW-01	60 Max	45.88


Saurabh Sharma
08-04-2022
Reviewer


08-04-2022
PremKumar
[Authorized Signatory]

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Test Report

Document QF : 2501
Page 2 of 2

Issued To Berger Paints India Limited Plot No.B4 & B5, Phase-1, UPSIDC, Sandila, Distt. HarDOI Sandila	Sample Reg. No. :E01-2203311569 Sample Reg. Date :31-03-2022 Report Date :08-04-2022 Report No. :ICE-2204080309 NABL ULR No. :TC592622000005759F Customer Ref. No. :- Letter Dated :-
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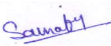
e.	Ozone(O ₃),µg/m ³	IS:5182(P-9)	180 Max	23.10
f.	Lead(As Pb),µg/m ³	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ:0.1)
g.	Carbon Monoxide(CO),mg/m ³	IS:5182(P-10)	4 Max	1.5
h.	Ammonia(NH ₃),µg/m ³	Method of Air Sampling & Analysis(Method No. 401)	400 Max	31.19
i.	Benzene (C ₆ H ₆),µg/m ³	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)
j.	Benzo (a) Pyrene Particulate Phase only,ng/m ³	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m ³	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ:1.0)
l.	Nickel(As Ni),ng/m ³	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ:1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirement as per NAAQS 2009.
 Sampling Procedure: SOP/ITC/EW/056

REMARKS : N/A

*****End Of Report*****


 Saurabh Sharma
 08-04-2022
 Reviewer


 08-04-2022
 PremKumar
 [Authorized Signatory]

Interstellar Testing Centre Pvt. Ltd.
 86, Industrial Area, Phase-1, Panchkula-134109 (Haryana)
 Panchkula-134109 (Haryana)
 Phone : (O) 0172-2561543, 2565825
 Email : customersupport@itclabs.com
 Visit us : www.itclabs.com

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Test Report

Document QF : 2501
Page 1 of 2

Issued To Berger Paints India Limited Plot No.B4 & B5, Phase-1, UPSIDC, Sandila, Distt. HarDOI Sandila	Sample Reg. No. :E01-2203311570
	Sample Reg. Date :31-03-2022
	Report Date :08-04-2022
	Report No. :ICE-2204080310
	NABL ULR No. :TC592622000005762F
	Customer Ref. No. :- Letter Dated :-

Test Report as per :	: NAAQS 2009
General Information :	
Location of Sampling Point	: Near Umartali Railway Station (Station No.4)
Date of Monitoring	: 24-03-2022
Time of Monitoring	: 11:00 hrs
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.31
Volume of air sampled,m3	: 1777.12
Avg. Ambient Temperature,°C	: 35

Description				
Description		Ambient Air Quality Monitoring		
S.No.	Parameters	Method	Specification	Result
Discipline : Chemical				
Group : Atmospheric Pollution				
1.	Ambient Air Quality Parameters			
a.	Sulphur Dioxide(SO ₂),µg/m ³	IS:5182(P-2)	80 Max	6.34
b.	Nitrogen Dioxide(NO ₂),µg/m ³	IS:5182(P-6)	80 Max	17.26
c.	Particulate Matter (PM ₁₀),µg/m ³	IS:5182(P-23)	100 Max	96.17
d.	Particulate matter (PM _{2.5}),µg/m ³	STP/ITC/EW-01	60 Max	52.19

Saurabh
Saurabh Sharma
08-04-2022
Reviewer

PremKumar
08-04-2022
PremKumar
[Authorized Signatory]

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Test Report

Issued To Berger Paints India Limited Plot No.B4 & B5, Phase-1, UPSIDC, Sandila, Distt. Hardoi Sandila	Sample Reg. No. :E01-2203311570
	Sample Reg. Date :31-03-2022
	Report Date :08-04-2022
	Report No. :ICE-2204080310
	NABL ULR No. :TC592622000005762F
	Customer Ref. No. :- Letter Dated :-

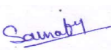
e.	Ozone(O ₃),µg/m ³	IS:5182(P-9)	180 Max	18.26
f.	Lead(As Pb),µg/m ³	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ:0.1)
g.	Carbon Monoxide(CO),mg/m ³	IS:5182(P-10)	4 Max	1.3
h.	Ammonia(NH ₃),µg/m ³	Method of Air Sampling & Analysis(Method No. 401)	400 Max	24.20
i.	Benzene (C ₆ H ₆),µg/m ³	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)
j.	Benzo (a) Pyrene Particulate Phase only,ng/m ³	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m ³	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ:1.0)
l.	Nickel(As Ni),ng/m ³	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ:1.0)


'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirement as per NAAQS 2009.
Sampling Procedure: SOP/ITC/EW/056

REMARKS :N/A

*****End Of Report*****


Saurabh Sharma
08-04-2022
Reviewer


08-04-2022
PremKumar
[Authorized Signatory]

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Six Monthly Compliance Report of Environmental Clearance for Integrated Paint plant at Plot No. - B4 & B5 at Sandila Industrial Area Phase- I, District: Hardoi (U.P.) by M/s Berger Paints India Limited.

**EC Compliance
Oct -2021 to
March -
2022**

Annexure- III

NOC- U.P. Ground Water Department



GROUND WATER DEPARTMENT

(Namami Gange & Rural Water Supply Department)

Ministry of Jal Shakti

Government of Uttar Pradesh

Form 8 (C)

[See Rule 8(1)]

AUTHORIZATION/ NO-OBJECTION CERTIFICATE FOR SINKING OF NEW / EXISTING WELL FOR INDUSTRIAL/ COMMERCIAL/ INFRASTRUCTURAL OR BULK USER OF GROUND WATER

[Under Section 14 of the Uttar Pradesh Ground Water Management and Regulation Act, 2019.]

AUTHORIZATION/ NO-OBJECTION CERTIFICATE NO: NOC049226

VALID FROM 30/12/2021 TO 29/12/2026

{UIS10(1) of the Uttar Pradesh Ground Water Management and Regulation Act, 2019}

Registration No.: 202111000435			
Name of the Owner	MUKHTAR NAQI		
Designation पद	REGIONAL COMMERCIAL MANAGER	Company Name कंपनी का नाम	BERGER PAINTS INDIA LIMITED
Company Address कंपनी का पता	P.N- B4,B5 UPSIDC INDS, AREA, SANDILA, HARDOI, U.P	Authorization Letter प्राधिकार पत्र	Download
Address of the Applicant	Berger Paints India Limited , B-22 , Sector-B , Aliganj , Lucknow	Application Form Serial No.	HRDO1121NIN0026
Date of Submission	25/11/2021	Specimen Signature	
Location Particulars			
District	Hardoi	Block	SANDILA
Plot No./Khasra No.	B4 & B5	Municipality/Corporation	No
Ward No./Holding No.			N/A
Particular of the Proposed Well and Pumping Device			
Date of Construction/Sinking of the Well	04/02/2022		
Type of Well	Tube Well/Boring	Depth of the Well (In meter)	175.00
Purpose of well	Industrial	Assembly Size(For Tube Well)	
Strainer Position (For Tube Well)			
Type of Pump Used	Submersible	H.P. of the Pump	30.00
Operational Device	Electric Motor	Rate of Withdrawal (m³/hr.)	60.00
Date of Energization (In Case of Electric Pump)		04/02/2022	
Maximum Allowable Rate of Withdrawal (m³/hr.):	60.00	Maximum Allowable Running Hours Per Day:	7.00

Maximum Allowable Annual Extraction of Ground Water:

130200

This No-Objection certificate authorizes the owner applicant (user) to sink a well in the location specified at Sl. (2) for extraction of ground water at a rate not exceeding that as shown at Sl. (3j), for Running Hours per day as shown at Sl. (3k), and for maximum allowable annual extraction of ground water as shown at Sl. (3k) and is valid subject to the observance of the conditions stated overleaf.

GENERAL CONDITIONS:

- In case of any change of ownership of the proposed well, fresh authorization has to be obtained.
- No change of location, design, rate of withdrawal and pumping device in respect of the proposed well as indicated at SL (2) and (3) of this certificate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this authorization
- For the purpose of measuring and recording the quantity of ground water extracted, every said user shall affix digital water flow meters (conforming to BIS/ IS standards) having telemetry system in the abstraction structure, which record rate and quantum of extraction, at outlet of pumping devices and it shall be presumed that the quantity recorded by the meter has been extracted by the said user, until the contrary is proved. The rate of extraction of ground water from the well as shown in item 3(k) shall not exceed to the recorded rate from water meters
- The concerned Authority reserves the right to stop extraction of ground water from the well due to quality hazards or any other reasons, if the situation so demands
- In case of any change of ownership of the existing well, fresh registration has to be obtained.
- No change of location, design, rate of withdrawal and pumping device in respect of the existing well as indicated at Sl. (2) and (3) of this certificate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this registration
- In case, any of the particulars l information furnished by the applicant in his application for issuance of this registration is found to be incorrect during verification at any subsequent stage , this registration is liable for cancellation.
- The Certificate of Authorization/ NOC shall be valid for a period of five years from the date of issue. The applicant shall have to apply for renewal through a fresh application, at least ninety days prior to expiry of its validity.
- Construction of piezometers and installation of digital water level recorders with telemetry shall be mandatory for user. Depth and zone tapped of piezometer should be commensurate with that of the pumping well. The data, obtained from digital water level recorders shall be made available to this office on monthly basis
- **Guidelines for Installation of Piezometers and their Monitoring**

Piezometer is a borewell /tubewell used only for measuring the water level by lowering the tape/ sounder or automatic water level measuring equipment. It is also used to take water sample for water quality testing when ever needed. General guidelines for installation of piezometers are as follows:

- The piezometer is to be installed/constructed at the minimum of 50 m distance from the pumping well through which ground water is being withdrawn. The diameter of the piezometer should be about 4" to 6".
- The depth of the piezometer should be same as is case of the pumping well from which ground water is being abstracted. If, more than one piezometers are installed the second piezometer should monitor the shallow ground water regime. It will facilitate shallow as well as deeper ground water aquifer monitoring.
- No. of piezometers to be constructed & Type of water level monitoring mechanism shall be as per below table:

S.No	Quantum of Ground water withdrawal (cum/day)	No.of piezometers required	Monitoring Mechanism	
			Manual	DWLR with Telemetry
1	< 10	0	0	0
2	11 - 50	1	1	0
3	50- 500	1	0	1
4	> 500	2	0	2

- The measuring frequency should be monthly and accuracy of measurement should be up to cm. the reported measurement should be given in meter upto two decimal.
- For measurement of water level sounder or automatic water level recorder (AWLR)/ Digital Automatic water level recorder (DWLR) with telemetry system should be used for accuracy.
- The measurement of water level in piezometer should be taken, only after the pumping from the surrounding tube wells has been stopped for about four to six hours.
- All the details regarding coordinates, reduced level (with respect to mean level), depth, zone taped and assembly lowered should be provided for bringing the piezometer into the Hydrograph Monitoring System for Ground Water Department, Uttar Pradesh, and for its validation.
- The ground water quality has to be monitored twice in a year during pre-monsoon (May/June) and post-monsoon (October/November) periods. Quality may be got analyzed from NABL approved lab. Besides, one sample (1 lt capacity bottle) to the concerned Director, Ground Water Department, Uttar Pradesh, for chemical analysis.
- A Permanent display board should be installed at piezometer/Tube wells site for providing the location, piezometer/ tube well number, depth and zone tapped of piezometer/tube well for standard referencing and identification.

- Any other site specific requirement regarding safety and access for measurement may be taken care of.
- Any other condition(s) that may be imposed by the concerned Authority.
- In case, any of the particulars I information furnished by the applicant in his application for issuance of this permit is found to be incorrect during verification at any subsequent stage, this permit is liable for cancellation.
-
- **SPECIFIC CONDITIONS:**
- **(A) For Industrial User:** No Objection Certificate for ground water extraction by industries shall be granted subject to the following specific conditions:
 - i) No Objection Certificate shall be granted only in such cases where local government water supply agencies are not able to supply the desired quantity of water.
 - ii) All industries shall be required to adopt latest water efficient technologies so as to reduce dependence on ground water resources.
 - iii) All industries abstracting ground water in excess of 100 m³/d shall be required to undertake annual water audit through Confederation of Indian Industries (CII)/ Federation Indian Chamber of Commerce and Industry (FICCI)/ National Productivity Council (NPC) certified auditors and submit audit reports within three months of completion of the same to Ground Water Department Uttar Pradesh. All such industries shall be required to reduce their ground water use by at least 20% over the next five years through appropriate means.
 - iv) Construction of observation well(s) (piezometer)(s) within the premises and installation of appropriate water level monitoring mechanism as mentioned in General Condition no.10 shall be mandatory for industries drawing/ proposing to draw more than 10 m³ /day of ground water and. Monitoring of water level shall be done by the project proponent. The piezometer (observation well) shall be constructed at a minimum distance of 50 m from the bore well/production well. Depth and aquifer zone tapped in the piezometer shall be the same as that of the pumping well/ wells. Monthly water level data shall be submitted online to the Ground Water Department, UP.
 - v) The proponent shall be required to adopt roof top rain water harvesting/ recharge in the project premises. Industries which are likely to pollute ground water (chemical, pharmaceutical, dyes, pigments, paints, textiles, tannery, pesticides/ insecticides, fertilizers, slaughter house, explosives etc.) shall store the harvested rain water in surface storage tanks for use in the industry.
 - vi) Injection of treated/ untreated waste water into aquifer system is strictly prohibited.
 - vii) Industries which are likely to cause ground water pollution e.g. Tanning, Slaughter Houses, Dye, Chemical/ Petrochemical, Coal washeries, other hazardous units etc. (as per CPCB list) need to undertake necessary well head protection measures to ensure prevention of ground water pollution.
-
- **(B) Infrastructural User:** The No Objection Certificate for ground water abstraction will be granted subject to the following specific conditions:
 - i) In case of infrastructure projects that require dewatering, proponent shall be required to carry out regular monitoring of dewatering discharge rate (using a digital water flow meter) and submit the data online to Ground Water Department, UP as applicable. Monitoring records and results should be retained by the proponent for two years, for inspection or reporting as required by District Ground Water Management Council.
 - ii) Installation of Sewage Treatment Plants (STP) shall be mandatory for new projects, where ground water requirement is more than 20 m³ /day. The water from STP shall be utilized for toilet flushing, car washing, gardening etc

Date :12/01/2022

Place:Hardoi

This certificate is electronically generated and does not require digital signature



GROUND WATER DEPARTMENT

(Namami Gange & Rural Water Supply Department)

Ministry of Jal Shakti

Government of Uttar Pradesh

Form 8 (C)

[See Rule 8(1)]

AUTHORIZATION/ NO-OBJECTION CERTIFICATE FOR SINKING OF NEW / EXISTING WELL FOR INDUSTRIAL/ COMMERCIAL/ INFRASTRUCTURAL OR BULK USER OF GROUND WATER

[Under Section 14 of the Uttar Pradesh Ground Water Management and Regulation Act, 2019.]

AUTHORIZATION/ NO-OBJECTION CERTIFICATE NO: NOC015864

VALID FROM 30/12/2021 TO 29/12/2026

{UIS10(1) of the Uttar Pradesh Ground Water Management and Regulation Act, 2019}

Registration No.: 202111000468			
Name of the Owner	MUKHTAR NAQI		
Designation पद	REGIONAL COMMERCIAL MANAGER	Company Name कंपनी का नाम	BERGER PAINTS INDIA LIMITED
Company Address कंपनी का पता	P.N- B4,B5 UPSIDC INDS, AREA, SANDILA, HARDOI, U.P	Authorization Letter प्राधिकार पत्र	Download
Address of the Applicant	Berger Paints India Limited , B-22 , Sector-B , Aliganj , Lucknow	Application Form Serial No.	HRDO1121NIN0027
Date of Submission	26/11/2021	Specimen Signature	
Location Particulars			
District	Hardoi	Block	SANDILA
Plot No./Khasra No.	B4 & B5	Municipality/Corporation	No
Ward No./Holding No.			N/A
Particular of the Proposed Well and Pumping Device			
Date of Construction/Sinking of the Well	09/02/2022		
Type of Well	Tube Well/Boring	Depth of the Well (In meter)	175.00
Purpose of well	Industrial	Assembly Size(For Tube Well)	
Strainer Position (For Tube Well)			
Type of Pump Used	Submersible	H.P. of the Pump	30.00
Operational Device	Electric Motor	Rate of Withdrawal (m³/hr.)	60.00
Date of Energization (In Case of Electric Pump)		09/02/2022	
Maximum Allowable Rate of Withdrawal (m³/hr.):	60.00	Maximum Allowable Running Hours Per Day:	7.00

Maximum Allowable Annual Extraction of Ground Water:

130200

This No-Objection certificate authorizes the owner applicant (user) to sink a well in the location specified at Sl. (2) for extraction of ground water at a rate not exceeding that as shown at Sl. (3j), for Running Hours per day as shown at Sl. (3k), and for maximum allowable annual extraction of ground water as shown at Sl. (3k) and is valid subject to the observance of the conditions stated overleaf.

GENERAL CONDITIONS:

- In case of any change of ownership of the proposed well, fresh authorization has to be obtained.
- No change of location, design, rate of withdrawal and pumping device in respect of the proposed well as indicated at SL (2) and (3) of this certificate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this authorization
- For the purpose of measuring and recording the quantity of ground water extracted, every said user shall affix digital water flow meters (conforming to BIS/ IS standards) having telemetry system in the abstraction structure, which record rate and quantum of extraction, at outlet of pumping devices and it shall be presumed that the quantity recorded by the meter has been extracted by the said user, until the contrary is proved. The rate of extraction of ground water from the well as shown in item 3(k) shall not exceed to the recorded rate from water meters
- The concerned Authority reserves the right to stop extraction of ground water from the well due to quality hazards or any other reasons, if the situation so demands
- In case of any change of ownership of the existing well, fresh registration has to be obtained.
- No change of location, design, rate of withdrawal and pumping device in respect of the existing well as indicated at Sl. (2) and (3) of this certificate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this registration
- In case, any of the particulars I information furnished by the applicant in his application for issuance of this registration is found to be incorrect during verification at any subsequent stage , this registration is liable for cancellation.
- The Certificate of Authorization/ NOC shall be valid for a period of five years from the date of issue. The applicant shall have to apply for renewal through a fresh application, at least ninety days prior to expiry of its validity.
- Construction of piezometers and installation of digital water level recorders with telemetry shall be mandatory for user. Depth and zone tapped of piezometer should be commensurate with that of the pumping well. The data, obtained from digital water level recorders shall be made available to this office on monthly basis
- **Guidelines for Installation of Piezometers and their Monitoring**

Piezometer is a borewell /tubewell used only for measuring the water level by lowering the tape/ sounder or automatic water level measuring equipment. It is also used to take water sample for water quality testing when ever needed. General guidelines for installation of piezometers are as follows:

- The piezometer is to be installed/constructed at the minimum of 50 m distance from the pumping well through which ground water is being withdrawn. The diameter of the piezometer should be about 4" to 6".
- The depth of the piezometer should be same as is case of the pumping well from which ground water is being abstracted. If, more than one piezometers are installed the second piezometer should monitor the shallow ground water regime. It will facilitate shallow as well as deeper ground water aquifer monitoring.
- No. of piezometers to be constructed & Type of water level monitoring mechanism shall be as per below table:

S.No	Quantum of Ground water withdrawal (cum/day)	No.of piezometers required	Monitoring Mechanism	
			Manual	DWLR with Telemetry
1	< 10	0	0	0
2	11 - 50	1	1	0
3	50- 500	1	0	1
4	> 500	2	0	2

- The measuring frequency should be monthly and accuracy of measurement should be up to cm. the reported measurement should be given in meter upto two decimal.
- For measurement of water level sounder or automatic water level recorder (AWLR)/ Digital Automatic water level recorder (DWLR) with telemetry system should be used for accuracy.
- The measurement of water level in piezometer should be taken, only after the pumping from the surrounding tube wells has been stopped for about four to six hours.
- All the details regarding coordinates, reduced level (with respect to mean level), depth, zone taped and assembly lowered should be provided for bringing the piezometer into the Hydrograph Monitoring System for Ground Water Department, Uttar Pradesh, and for its validation.
- The ground water quality has to be monitored twice in a year during pre-monsoon (May/June) and post-monsoon (October/November) periods. Quality may be got analyzed from NABL approved lab. Besides, one sample (1 lt capacity bottle) to the concerned Director, Ground Water Department, Uttar Pradesh, for chemical analysis.
- A Permanent display board should be installed at piezometer/Tube wells site for providing the location, piezometer/ tube well number, depth and zone tapped of piezometer/tube well for standard referencing and identification.

- Any other site specific requirement regarding safety and access for measurement may be taken care of.
- Any other condition(s) that may be imposed by the concerned Authority.
- In case, any of the particulars I information furnished by the applicant in his application for issuance of this permit is found to be incorrect during verification at any subsequent stage, this permit is liable for cancellation.
-
- **SPECIFIC CONDITIONS:**
- **(A) For Industrial User:** No Objection Certificate for ground water extraction by industries shall be granted subject to the following specific conditions:
 - i) No Objection Certificate shall be granted only in such cases where local government water supply agencies are not able to supply the desired quantity of water.
 - ii) All industries shall be required to adopt latest water efficient technologies so as to reduce dependence on ground water resources.
 - iii) All industries abstracting ground water in excess of 100 m³/d shall be required to undertake annual water audit through Confederation of Indian Industries (CII)/ Federation Indian Chamber of Commerce and Industry (FICCI)/ National Productivity Council (NPC) certified auditors and submit audit reports within three months of completion of the same to Ground Water Department Uttar Pradesh. All such industries shall be required to reduce their ground water use by at least 20% over the next five years through appropriate means.
 - iv) Construction of observation well(s) (piezometer)(s) within the premises and installation of appropriate water level monitoring mechanism as mentioned in General Condition no.10 shall be mandatory for industries drawing/ proposing to draw more than 10 m³ /day of ground water and. Monitoring of water level shall be done by the project proponent. The piezometer (observation well) shall be constructed at a minimum distance of 50 m from the bore well/production well. Depth and aquifer zone tapped in the piezometer shall be the same as that of the pumping well/ wells. Monthly water level data shall be submitted online to the Ground Water Department, UP.
 - v) The proponent shall be required to adopt roof top rain water harvesting/ recharge in the project premises. Industries which are likely to pollute ground water (chemical, pharmaceutical, dyes, pigments, paints, textiles, tannery, pesticides/ insecticides, fertilizers, slaughter house, explosives etc.) shall store the harvested rain water in surface storage tanks for use in the industry.
 - vi) Injection of treated/ untreated waste water into aquifer system is strictly prohibited.
 - vii) Industries which are likely to cause ground water pollution e.g. Tanning, Slaughter Houses, Dye, Chemical/ Petrochemical, Coal washeries, other hazardous units etc. (as per CPCB list) need to undertake necessary well head protection measures to ensure prevention of ground water pollution.
-
- **(B) Infrastructural User:** The No Objection Certificate for ground water abstraction will be granted subject to the following specific conditions:
 - i) In case of infrastructure projects that require dewatering, proponent shall be required to carry out regular monitoring of dewatering discharge rate (using a digital water flow meter) and submit the data online to Ground Water Department, UP as applicable. Monitoring records and results should be retained by the proponent for two years, for inspection or reporting as required by District Ground Water Management Council.
 - ii) Installation of Sewage Treatment Plants (STP) shall be mandatory for new projects, where ground water requirement is more than 20 m³ /day. The water from STP shall be utilized for toilet flushing, car washing, gardening etc

Date :12/01/2022

Place:Hardoi

This certificate is electronically generated and does not require digital signature

Annexure- IV

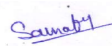
Ambient Noise Monitoring Report


Test Report

Issued To Berger Paints India Limited Plot No.B4 & B5, Phase-1, UPSIDC, Sandila, Distt. HarDOI Sandila	Sample Reg. No. :E01-2203311571
	Sample Reg. Date :31-03-2022
	Report Date :04-04-2022
	Report No. :ICE-2204040060
	NABL ULR No. :TC592622000005562F
	Customer Ref. No. :- Letter Dated :-

Test Report as per :	: EPA Act 1986/PCLS/2010
General Information :	
Name of Sample	: Ambient Noise
Date of Monitoring	: 25-03-2022
Time of Monitoring	: Day & Night
Nature of Industry	: Berger Point
Purpose of Monitoring	: To assess the noise level

Description				
Description		Noise Monitoring		
S.No.	Parameters	Method	Specification	Result
Discipline : Chemical				
Group : Atmospheric Pollution				
1.	Location Name			
a.	Near Main Gate (Day Time), Leq dB (A)	IS: 9989 (Reaffirmed 2014)	Max 75.0	66.7
b.	Near Main Gate (Night Time), Leq dB (A)	IS: 9989 (Reaffirmed 2014)	Max 70.0	56.9
c.	Village: Som (Day Time), Leq dB (A)	IS: 9989 (Reaffirmed 2014)	Max. 75.0	51.0
d.	Village: Som (Night Time), Leq dB (A)	IS: 9989 (Reaffirmed 2014)	Max. 70.0	46.0


Saurabh Sharma
04-04-2022
Reviewer


04-04-2022
PremKumar
[Authorized Signatory]

Disclaimer :

- The report is only for the sample tested.
- Total liability of ITC Labs is limited to the invoiced amount.
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- Samples not drawn by us unless otherwise stated.
- Test report in full or parts shall not be used for promotional or publicity purposes.
- Legal disputes are subjected to Panchkula Jurisdiction only.

Test Report

Document QF : 2501
Page 2 of 2

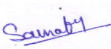
Issued To Berger Paints India Limited Plot No.B4 & B5, Phase-1, UPSIDC, Sandila, Distt. Hardoi Sandila	Sample Reg. No. :E01-2203311571 Sample Reg. Date :31-03-2022 Report Date :04-04-2022 Report No. :ICE-2204040060 NABL ULR No. :TC592622000005562F Customer Ref. No. :- Letter Dated :-
--	--


#' represents Customer Defined Fields

NOTE : NA- Not Applicable, Requirements as per EPA Act 1986/PCLS/2010, Sampling Procedure : SOP/ITC/EW/056. Day Time - 06 :00 Hrs To 22 :00 Hrs, Night Time - 22 :00 Hrs To 06 :00 Hrs

REMARKS :N/A

*****End Of Report*****


Saurabh Sharma
04-04-2022
Reviewer


04-04-2022
PremKumar
[Authorized Signatory]

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Annexure-V (A)

Public Notice

Annexure-V (B)

Jansatta

Annexure-VI

Submission of EC –Intimation to Govt. Office



BPIL/UP/EC/03

To
The Member
U.P Pollution Control Board
Building No. TC-12V,
Vibhuti Khand, Gomti Nagar,
Lucknow, Uttar Pradesh 226010

Date: 30/06/2020

Subject: Receipt of Environmental Clearance for the Integrated Paint Manufacturing Plant at Plot no B4 and B5 of Sandila Industrial Area, Phase-I, District Hardoi, Uttar Pradesh of Berger Paints India Limited

Dear Sir,

We would like to bring your kind attention to the fact that SEAC/ SEIAA-Uttar Pradesh has granted Environmental Clearance for our Integrated Paint Manufacturing Plant at Plot No. B4 and B5 of Sandila Industrial Area, Phase-I, District Hardoi, Uttar Pradesh vide Reference No. 96/Parya/SEIAA/4604/2019 Dated: 29/05/2020. A copy of the Environmental Clearance is enclosed herewith this letter. As a requirement towards the compliances would request you to allow us to display the approval copy in your notice board.

Kindly acknowledge the receipt of the same.

Thanking You,
For,
Berger Paints India Limited,


Mukhtar Nagi
Authorized Signatory

आक प्राप्ति रसीद
प्राप्ति दिनांक 02.07.20
प्राप्तकर्ता के हस्ताक्षर
वायु प्रदूषण नियंत्रण बोर्ड, लखनऊ

Enclosure : 1. Copy of Environmental Clearance vide Reference No: 96/Parya/SEIAA/4604/2019 Dated: 29/05/2020

Copy To : 1. Mr. Dipankar Nag, Corporate EHS & TQM Head, HO-Berger House, 129 Park Street, Berger Paints India Limited, Kolkata-700017
2. The Managing Director, UPSIDC - Kanpur
3. The RO-PCB- Unnao
4. Office Copy

BERGER PAINTS INDIA LIMITED

Office : B-22, Sector-B, Allgang, Lucknow-1 - 226024

Regd. Office : Berger House, 129, Park Street, Kolkata - 700 017, Phone : 2229 9724-28, 2229 6005-08, Fax : 91-33-2249 9009/9729, www.bergerpaints.com



BPIL/UP/EC/034

29/05/2020

To
The Managing Director
Uttar Pradesh State Industrial Development Corporation Ltd
UPSIDC Ltd, A-1/4,
Lakhanpur, Khyora, Kanpur,
Uttar Pradesh 208024

Subject: Receipt of Environmental Clearance for the Integrated Paint Manufacturing Plant at Plot no. B4 and B5 of Sandila Industrial Area, Phase-I, District Hardoi, Uttar Pradesh of Berger Paints India Limited

Dear Sir,

We would like to bring your kind attention to the fact that SEAC/ SEIAA-Uttar Pradesh has granted Environmental Clearance for our Integrated Paint Manufacturing Plant at Plot No. B4 and B5 of Sandila Industrial Area, Phase-I, District Hardoi, Uttar Pradesh vide Reference No. 96/Parya/SEIAA/4604/2019 Dated: 29/05/2020. A copy of the Environmental Clearance is enclosed herewith this letter. As a requirement towards the compliances would request you to allow us to display the approval copy in your notice board.

Kindly acknowledge the receipt of the same.

Thanking You,

For,

Berger Paints India Limited,


Mukhtar Naqi

Authorized Signatory

Enclosure : 1. Copy of Environmental Clearance vide Reference No: 96/Parya/SEIAA/4604/2019 Dated: 29/05/2020

Copy To : 1. Mr. Dipankar Nag, Corporate EHS & TQM Head, HO-Berger House, 129 Park Street



BPIL/UP/EC/034

To
The Regional Office
U.P Pollution Control Board
Avas Vikas Colony,
Unnao, Uttar Pradesh 209801

Date: 30/06/2020


Subject: Receipt of Environmental Clearance for the Integrated Paint Manufacturing Plant at Plot no. B4 and B5 of Sandila Industrial Area, Phase-I, District Hardoi, Uttar Pradesh of Berger Paints India Limited

Dear Sir,

We would like to bring your kind attention to the fact that SEAC/ SEIAA-Uttar Pradesh has granted Environmental Clearance for our Integrated Paint Manufacturing Plant at Plot No. B4 and B5 of Sandila Industrial Area, Phase-I, District Hardoi, Uttar Pradesh vide Reference No: 96/Parya/SEIAA/4604/2019 Dated: 29/05/2020. A copy of the Environmental Clearance is enclosed herewith this letter. As a requirement towards the compliances would request you to allow us to display the approval copy in your notice board.

Kindly acknowledge the receipt of the same.

Thanking You,
For,
Berger Paints India Limited;


Mukhtar Nagi
Authorized Signatory

Enclosure : 1. Copy of Environmental Clearance vide Reference No: 96/Parya/SEIAA/4604/2019 Dated: 29/05/2020

Copy To : 1. Mr. Dipankar Nag, Corporate EHS & TQM Head, HO-Berger House, 129 Park Street, Berger Paints India Limited, Kolkata-700017
2. The Managing Director, UPSIDC - Kanpur
3. The Member, Pollution Control Board - Lucknow
4. Office Copy

BERGER PAINTS INDIA LIMITED

Office : B-22, Sector-B, Allgang, Lucknow-1 - 226024

Regd. Office : Berger House, 129, Park Street, Kolkata - 700 017, Phone : 2229 9724-28, 2229 6005-06, Fax : 91-33-2249 9009/9729, www.bergerpaints.com
CIN - L51434WB1923PLC004793, E-mail : consumerfeedback@bergerindia.com

भारतीय डाक



India Post

EN309632731EN IVR:69053
 SP ALIGANJ SO (226004)
 Counter No:4,30/07/2020,15:57
 To:MD UPBIDA,
 PIN:208004, K P University SO
 From:BERGER,
 Wt:55gms
 Amt:41.30(Cash)Tax:6.30
 Track on www.indiapost.gov.in

Clear Masks, Stay Safe

भारतीय डाक



India Post

EN309632728EN IVR:69353
 SP ALIGANJ SO (226004)
 Counter No:4,30/07/2020,15:57
 To:SB OFC JFB
 PIN:209801, Unnao HO
 From:BERGER,
 Wt:50gms
 Amt:41.30(Cash)Tax:6.30
 Track on www.indiapost.gov.in

To:SB OFC JFB

PIN:209801

Annexure- VII

Bore well Water Test Report



TEST REPORT

TEST REPORT OF DRINKING WATER

AUTHORITY : M/S BERGER PAINTS INDIA LIMITED,
PLOT NO. - B-4, B-5, INDUSTRIAL AREA, PHASE-1,
SANDILA, DISTT. - HARDOI-241204

Report No. : C202203130007

NAME OF SAMPLE : DRINKING WATER (BORE WELL)

Date of sample collection : 12.03.2022

Date of completion : 20.03.2022

Sampling Done by : ITL Representative

Table 1 Organoleptic and Physical Parameters (Clause 4)

S.No	Parameter	Method	Requirement (Acceptable Limit)(IS:10500 2012)	Permissible Limit in Absence of Alternate Source (IS: 10500-2012)	Result
1	Colour, (Hazen units)	IS: 3025 (P-4)	5 max.	15 max.	<1.0
2	Odour	IS: 3025 (P-5)	Agreeable	Agreeable	Agreeable
3	Taste	IS: 3025 (P-7 & 8)	Agreeable	Agreeable	Agreeable
4	Turbidity (NTU)	IS: 3025 (P-10)	1 max.	5 max.	<1.0
5	pH value	IS: 3025 (P-11)	6.5 to 8.5	No relaxation	7.45
6	Total Dissolved Solids (mg/l)	IS: 3025 (P-16)	500 max.	2000 max.	292.0

Table 2 General Parameters Concerning Substances Undesirable in Excessive Amounts (Clause 4)

1	Aluminium as Al (mg/l)	IS: 3025 (P-55)	0.03 max.	0.2 max.	BDL (0.01)
2	Total Ammonia as N (mg/l)	IS: 3025 (P-34)	0.5 max.	No relaxation	BDL (0.1)
3	Anionic Detergents as MBAS (mg/l)	Anx. K of IS: 13428	0.2 max.	1.0 max.	BDL (0.1)
4	Barium as Ba (mg/l)	Anx. F of IS: 13428	0.7 max.	No relaxation	BDL (0.003)
5	Boron as B (mg/l)	Cl.29 of IS: 3025	0.5 max.	1 max.	BDL (0.1)
6	Calcium as Ca (mg/l)	IS: 3025 (P-40)	75 max.	200 max.	24
7	Chloride as Cl (mg/l)	IS: 3025 (P-32)	250 max.	1000 max.	33.0
8	Copper as Cu (mg/l)	IS: 3025 (P-42)	0.05 max.	1.5 max.	BDL (0.1)
9	Fluoride as F (mg/l)	IS: 3025 (P-60)	1.0 max.	1.5 max.	BDL (0.1)
10	Free Residual Chlorine (mg/l)	IS: 3025 (P-26)	0.2 min.	1 min.	BDL (0.1)
11	Iron as Fe (mg/l)	IS: 3025 (P-53)	0.3 max.	No relaxation	BDL (0.03)
12	Magnesium as Mg (mg/l)	IS: 3025 (P-46)	30 max.	100 max.	31
13	Manganese as Mn (mg/l)	IS: 3025 (P-59)	0.1 max.	0.3 max.	BDL (0.001)
14	Nitrate as NO ₃ (mg/l)	IS: 3025 (P-34)	45 max.	No relaxation	0.5


Reviewed by


Authorized Signatory



TEST REPORT

Report No. C202203130007

Page 2 of 2

17	Phenolic Compounds as C ₆ H ₅ OH	IS: 3025 (P-43)	0.001 max	0.002 max	BDL (0.001)
18	Selenium as Se (mg/l)	IS: 3025 (P-56)	0.01 max	No relaxation	BDL (0.002)
19	Silver as Ag (mg/l)	Anx. J of IS: 13428	0.1 max	No relaxation	BDL (0.01)
20	Sulphate as SO ₄ (mg/l)	IS: 3025 (P-24)	200 max	400 max	26.0
21	Sulphide as H ₂ S (mg/l)	IS: 3025 (P-29)	0.05 max	No relaxation	BDL(0.025)
22	Total Alkalinity as HCO ₃ (mg/l)	IS: 3025 (P-23)	200 max	600 max	152.0
23	Total Hardness as CaCO ₃ (mg/l)	IS: 3025 (P-21)	200 max	600 max	133.0
24	Zinc as Zn (mg/l)	IS: 3025 (P-49)	5 max	15 max	BDL (0.025)

Table 3 Parameters Concerning Toxic Substances (Clause 4)

1	Cadmium as Cd (mg/l)	IS: 3025 (P-41)	0.003 max	No relaxation	BDL (0.002)
2	Cyanide as CN (mg/l)	IS: 3025 (P-27)	0.05 max	No relaxation	BDL (0.01)
3	Lead as Pb (mg/l)	IS: 3025 (P-47)	0.01 ma	No relaxation	BDL (0.002)
4	Mercury as Hg (mg/l)	IS: 3025 (P-48)	0.001 max	No relaxation	BDL (0.0002)
5	Nickel as Ni (mg/l)	IS: 3025 (P-54)	0.02 max	No relaxation	BDL (0.002)
6	Total Arsenic as As (mg/l)	IS: 3025 (P-37)	0.01 max	0.05 max	BDL (0.0001)
7	Total Chromium as Cr (mg/l)	IS: 3025 (P-52)	0.05 max	No relaxation	BDL (0.001)

Table 4 Bacteriological Quality of Drinking Water

1	E. coli / 100ml	IS: 1622-1981	Absent	No relaxation	Absent
2	Total Coliform Bacteria/ 100ml	IS: 1622-1981	Absent	No relaxation	Absent

Note: 1. All parameters are in mg/l except pH, Colour.

2. The results listed refer only to tested sample and applicable parameters.

Remarks- Above referred water sample confirm requirements of IS 10500:2012 for drinking purpose

Reviewed by

Auth. Sign.

Authorized Signatory

F/7.8/10



JAS-ANZ



Annexure- VII

Soil Monitoring Report

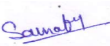
Test Report

Issued To Berger Paints India Limited Plot No.B4 & B5, Phase-1, UPSIDC, Sandila, Distt. Hardoi Sandila	Sample Reg. No. :E01-2203311566
	Sample Reg. Date :31-03-2022
	Report Date :19-04-2022
	Report No. :ICE-2204190736 (1)
	NABL ULR No. :TC592622000006243F
	Customer Ref. No.:- Letter Dated :-

Test Report as per IS:NA	With Amendment No.(s):
---------------------------------	-------------------------------

PART A : PARTICULARS OF SAMPLE SUBMITTED

a)	Nature of Sample#	Soil Sample
b)	Sample Condition	Good
c)	Grade / Variety / Type / Class / Size etc.	NA
d)	Brand Name	NA
e)	Declared Values,if any	NA
f)	Code No.	
g)	Batch Number#	NA
h)	D.O.M#	NA
i)	Date of Expiry#	NA
j)	Sample Quantity#	350gm
k)	Batch Size/Location#	NA
l)	Mode of Packing	Packed in poly pack
m)	Date of Receipt	31-03-2022
n)	Date of Start	31-03-2022
o)	Date of Completion	19-04-2022
p)	Seal (Intact/Not Intact/Unsealed)	NA
q)	IO'S Signature (Signed/Unsigned)	Unsigned
r)	Any Other Information	Sample collected by lab rep. on 25.03.2022, Sample from Inside the plant 3 feet depth


 Saurabh Sharma
 19-04-2022
 Reviewer


 19-04-2022
 PremKumar
 [Authorized Signatory]

Disclaimer :

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Test Report

Issued To Berger Paints India Limited Plot No.B4 & B5, Phase-1, UPSIDC, Sandila, Distt. Hardoi Sandila	Sample Reg. No. :E01-2203311566
	Sample Reg. Date :31-03-2022
	Report Date :19-04-2022
	Report No. :ICE-2204190736 (1)
	NABL ULR No. :TC592622000006243F
	Customer Ref. No.:-
	Letter Dated :-

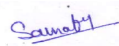
s)	Test Request Submitted By	Berger Paints India Limited-Sandila (Uttar Pradesh)
t)	Manufactured By#	NA
u)	Supplied By#	NA

PART B : SUPPLEMENTARY INFORMATIONS

a.	Reference to sampling procedure, whenever applicable	: N/A
b.	Supporting documents for the measurement taken and results derived like graphs, tables, sketches and / or photographs as appropriate to test reports, if any	: N/A
c.	Deviation from the test methods as prescribed in relevant ISS/WORK Instruments, if any	: N/A

Description

Description		Soil Sample		
S.No.	Parameters	Method	Specification	Result
Discipline : Chemical				
Group : Pollution & Environment				
1. General Parameters				
a.	pH Value(1 % sol.)	STP/ITC/EW-20		7.82
b.	Moisture Content (% by mass)	STP/ITC/EW-17		10.25
c.	Nitrogen(as N)(% by mass)	STP/ITC/EW/010		0.010
d.	Phosphorous(as P), (% by mass)	STP/ITC/EW-16		0.005
e.	Potassium(as K)(% by mass)	STP/ITC/EW-11		0.009
f.	Calcium(as CaO)(% by mass)	IS: 2720 (P-23)		5.30
g.	Magnesium(as MgO)(% by mass)	STP/ITC/EW-13		1.35
h.	Conductivity(μ mhos/cm)(1 % sol.)	IS 14767		50.1


Saurabh Sharma
19-04-2022
Reviewer


19-04-2022
PremKumar
[Authorized Signatory]

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Issued To Berger Paints India Limited Plot No.B4 & B5, Phase-1, UPSIDC, Sandila, Distt. Hardoi Sandila	Sample Reg. No. :E01-2203311566 Sample Reg. Date :31-03-2022 Report Date :19-04-2022 Report No. :ICE-2204190736 (1) NABL ULR No. :TC592622000006243F Customer Ref. No. :- Letter Dated :-
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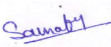
i.	Organic Carbon (% by mass)	STP/ITC/EW-21	0.46
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*' represents categories/test parameters not covered under NABL '#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Sampling Procedure: SOP/ITC/EW/056

REMARKS :N/A

*****End Of Report*****


Saurabh Sharma
19-04-2022
Reviewer


19-04-2022
PremKumar
[Authorized Signatory]

Disclaimer :

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Test Report

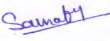
Document QF : 2501
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Issued To Berger Paints India Limited Plot No.B4 & B5, Phase-1, UPSIDC, Sandila, Distt. Hardoi Sandila	Sample Reg. No. :E01-2203311566 Sample Reg. Date :31-03-2022 Report Date :19-04-2022 Report No. :ICE-2204190736 (2) Customer Ref. No.:- Letter Dated :-
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Test Report as per IS:NA	With Amendment No.(s):
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PART A : PARTICULARS OF SAMPLE SUBMITTED

a)	Nature of Sample #	Soil Sample
b)	Sample Condition	Good
c)	Grade / Variety / Type / Class / Size etc.	NA
d)	Brand Name	NA
e)	Declared Values,if any	NA
f)	Code No.	
g)	Batch Number #	NA
h)	D.O.M #	NA
i)	Date of Expiry #	NA
j)	Sample Quantity #	350gm
k)	Batch Size/Location #	NA
l)	Mode of Packing	Packed in poly pack
m)	Date of Receipt	31-03-2022
n)	Date of Start	31-03-2022
o)	Date of Completion	19-04-2022
p)	Seal (Intact/Not Intact/Unsealed)	NA
q)	IO'S Signature (Signed/Unsigned)	Unsigned
r)	Any Other Information	Sample collected by lab rep. on 25.03.2022, Sample from Inside the plant 3 feet depth
s)	Test Request Submitted By	Berger Paints India Limited-Sandila (Uttar Pradesh)
t)	Manufactured By #	NA


 Saurabh Sharma
 19-04-2022
 Reviewer


 19-04-2022
 PremKumar
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Test Report

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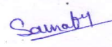
u) Supplied By#	NA
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PART B : SUPPLEMENTARY INFORMATIONS

a. Reference to sampling procedure, whenever applicable	: N/A
b. Supporting documents for the measurement taken and results derived like graphs, tables, sketches and / or photographs as appropriate to test reports, if any	: N/A
c. Deviation from the test methods as prescribed in relevant ISS/WORK Instruments, if any	: N/A

Description				
Description		Soil Sample		
S.No.	Parameters	Method	Specification	Result
Discipline : Chemical				
Group : Pollution & Environment				
1.	General Parameters			
a.	Lead(as Pb)(mg/kg)	STP/ITC/EW-07		10.89
b.	Iron(as Fe ₂ O ₃)(% by mass)	STP/ITC/EW-07		0.60
c.	Zinc(as Zn)(mg/kg)	STP/ITC/EW-07		130.89
d.	Copper(as Cu)(mg/kg)	STP/ITC/EW-07		20.52
e.	Nickel(as Ni)(mg/kg)	STP/ITC/EW-07		10.89
f.	Total Chromium(as Cr)(mg/kg)	STP/ITC/EW-07		17.54
g.	Mercury(as Hg)(mg/kg)	STP/ITC/EW-07		32.25
h.	Cadmium(as Cd)(mg/kg)	STP/ITC/EW-07		BLQ(LOQ:1.0)
i.	Hexavalent Chromium(As Cr+6)(mg/L)	In House		NA
j.	Chloride(as Cl)(% by mass)	Method Manual Soil Testing in India		0.003

represents Customer Defined Fields


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 19-04-2022
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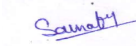
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NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Sampling Procedure: SOP/ITC/EW/056

REMARKS :N/A

*****End Of Report*****



Saurabh Sharma
19-04-2022
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