



o/c

13th June 2022.

To,
The Director,
Ministry of Environment, Forest and Climate Change,
Regional Office (SEZ),
1st and 2nd Floor, Handloom Export Promotion Council,
34, Cathedral Garden Road, Nungambakkam,
Chennai – 34

RN 695995 29 2 IN

Vijayawada

RN 695995 01 0 IN

Chennai

Sub: Berger Paints India Limited – Half Yearly Compliance Report.

Dt.: 18th June 2022

Dear Sir,

Please find our Half-Yearly report (Oct'21 to Mar'22) on compliance as per the requirement given.

We would be pleased to provide you with additional information if required.

Kindly acknowledge the receipt.

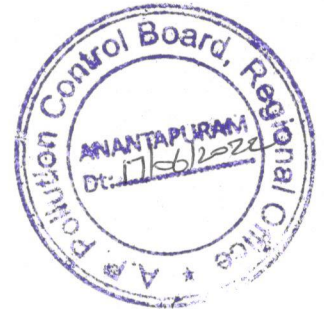
With Regards,
For Berger Paints India Ltd


Venkata Apparao.D
Factory Manager.

Copy to:

1. The Joint Chief Environmental Engineer UH4, D.No. 33-26-14 D/2, Near Sunrise Hospital, Pushpa Hotel Centre, Chalamvari Street, Kasturibaipet, Vijayawada – 520 008

2. The EE, AP Pollution Control Board, Door. No: 6-3-145, First Floor, Revenue ward 6, Ramnagar, Aanantapur – 515004, Andhra Pradesh



BERGER PAINTS INDIA LIMITED

Plot No. 262, Industrial Growth Centre Thumukunta Village, Hindupur-515211 Dist. Anantapur (A.P.)

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

Berger Paints India Limited, Hindupur

Pointwise Six-Months Compliance Report Oct'21 to Mar'22

Sl. No	Conditions	Compliance Status (under construction stage)	Remarks
A	SPECIFIC CONDITIONS:		
i)	Only water Paint shall be manufactured. No solvent paint shall be manufactured without prior permission obtained from ministry.	Complied	
ii)	No lead and chromium-based paint shall be manufactured.	Complied	
iii)	Adequate stack height shall be provided to HSD/LDO fired steam boilers (5 Nos) to control air emissions. As proposed adequate dust extraction system shall be provided to capture fugitive emissions of fine particles from mixers during powder charging.	Currently we are not operating HSD/LDO fire stream Boiler. For Mixers the plant has a dedicated dust extraction system.	
iv)	The gaseous emissions (SO ₂ , NO _x , CO and HC) and particulate matter from boiler stack shall conform to the norms prescribed by the CPCB/AP pollution Control Board (APPCB) from time to time. At no time, the emission levels shall go beyond the prescribed standards. In the event of failure of any pollution control system adopted by the unit, the respective unit shall not be restarted until the control measure are rectified to achieve the desired efficiency. Stack emissions shall be monitored regularly.	Currently we are not operating HSD/LDO fire steam Boiler	
v)	The levels of PM _{2.5} , NO _x , CO, HC (Methane and Non-methane) and VOCs shall be monitored in the ambient air and displayed at a convenient location near the main gate of the company and at important public places. The company shall upload the results of monitored data on its website and shall update the same periodically. It shall simultaneously be sent to the regional office MOEF, the respective Zonal office of CPCB and APPCB.	The applicable parameters are displayed at a convenient location near the main gate of the company for display to public.	
vi)	In plant control measures for checking fugitive emissions from all the vulnerable sources shall be provided. Fugitive emissions shall be controlled by providing closed storage, closed handling & conveyance of chemicals /materials, multi cyclone separator and water sprinkling system. Dust suppression system including water sprinkling system shall be provided at loading and unloading areas to control dust emissions. Fugitive emissions in the work zone environment, product, raw	Adequate dust extraction system and water sprinkler system and Process system to control the fugitive emissions	

Berger Paints India Limited, Hindupur

	materials storage area etc. shall be regularly monitored. The emission shall conform to the limits stipulated by the APPCB.		
vii)	VOCs detectors shall be installed in the work zone. When monitoring results indicate above the permissible limits, effective measures shall be taken immediately.	It is not applicable for our case since we are not using any solvent. However, we have procured portable VOC digital meter and are using it to check the VOC as per the requirement	
viii)	For further control of fugitive emissions, following steps shall be followed		
a	Closed handling system shall be provided for chemicals	Raw material (powder & liquids) is being charged through closed pipelines from storage area to process area	
b	Reflux condenser shall be provided over reactor.	NA	
c	System of leak detection and repair of pump/pipeline based on preventive maintenance.	PM being carried out	
d	The acid shall be taken from storage tanks to reactor through closed pipeline. Storage tanks shall be vented through trap receiver and condenser operated on chilled water.	NA	
e	Cathodic protection shall be provided to the underground solvent storage tanks.	NA	No solvents stored/No underground tanks
ix)	The gaseous emission from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution.	Complied	
x)	Total fresh water requirement from APIIC water supply shall not exceed 524 cum/day and prior permission shall be obtained from the concerned authority and a copy submitted to the ministry Regional office at Bangalore. No ground water shall be used.	Will not be using water more than 524 cum/day.	
xi)	Total industrial waste water generation shall not exceed 84 cum/day. Industrial effluent shall be treated in ETP comprising physiochemical treatment facility, biological treatment and tertiary treatment. Treated effluent shall be recycled/reused with in factory premises after	Complied	

Berger Paints India Limited, Hindupur

	achieving desired water quality for various purposes.		
xii)	No effluent shall be discharged outside the factory premises and Zero discharge concept shall be adopted.	Complied	
xiii)	Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arrestors shall be provided on tank farm. Solvent transfer shall be by pumps.	Solvents are not being used in process.	
xiv)	The company shall obtain Authorization for collection, storage and disposal of hazardous waste under hazardous Waste (management, Handling and Transboundary Movement) rules, 2016 and amended as on date for management of Hazardous wastes and prior permission from APPCB shall be obtained for disposal of solid /hazardous wastes in the TSDF. Measures shall be taken from for firefighting facilities in case of emergency.	The solid waste will be disposed to M/s GM Eco services. Water Sprinkler system has been installed in Scrap Yard.	
xv)	The company shall strictly comply with the rules and guidelines under manufacture, Storage and Import of hazardous chemicals (MSIHC) Rules 1989 as amended time to time. All Transportation of hazardous Chemicals shall be as per the Motor Vehicle Act (MVA), 1989.	Complied.	
xvi)	The company shall undertake following waste minimization measures :		
a	Metering and control of quantities of active ingredients to minimize waste.	All the powder and liquid ingredients will be taken from pneumatic conveying system with load cell and flow meter which automatically decreases the wastage.	
b	Reuse of by – products from the process as raw materials or as raw material substitute in other processes.	There is no by product in our process.	
c	Use of automated filling to minimize spillage.	Complied	
d	Use of close feed system into batch reactors.	Closed feeding system for TSDs & mixers is being used	
e	Venting equipment through vapor recovery system	It is not applicable as currently we are not using any solvents	
f	Use of high pressure hoses for equipment cleaning	Complied	

Berger Paints India Limited, Hindupur

	to reduce waste water generation.		
xvii)	Proper spillage management plan shall be prepared and implemented. A copy of spillage management plan shall be submitted to the Ministry's regional office at Bangalore.	Complied	
xviii)	The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Firefighting system shall be as per the OISD 117 norms. Fire hydrant system shall be provided along with fire monitor and flame detection system in the process as well as storage areas.	Complied	
xix)	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Complied	
xx)	Green belt shall be developed in 80,617 sqm out of total land 1, 92, 831 sqm. Thick green belt with suitable plant species shall be developed around the unit to mitigate the odor problem.	Complied More than 16 Acres	
xxi)	Provision shall be made for the housing for the construction labor within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structure to be removed after the completion of the project. All the construction wastes shall be managed so that there is no impact on the surrounding environment.	Complied	
B.	GENERAL CONDITIONS:		
i	The project authorities shall strictly adhere to the stipulations made by the AP Pollution Control Board.	Shall be adhered.	
ii	No further expansion or modification in the plant shall be carried out without prior approval of the Ministry of environment and Forests. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environment protection measures required if any.	Will comply in those circumstances	
iii	The locations of ambient air quality monitoring stations shall be decided in consultation with the State pollution Control Board and it shall be ensured that at least one stations is installed in the up wind and downwind direction as well as where maximum ground level concentrations are anticipated.	Complied	Annexure Attached
iv	The overall noise levels in and around the plant	Complied.	Annexure

Berger Paints India Limited, Hindupur

	area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under environment (protection) Act 1986 rules viz. 75 dBA (day time) and 70 dBA (night time)		Attached
v	The company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and use the same water for the process activities of the project to conserve fresh water.	Storm water in plant are directed towards rain water harvesting pits	
vi	Training shall be imparted to the employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for the all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.	Complied	Regular Training is given to all employees, Pre-employment and routine medical examination to all employees is under taken
vii	Usage of Personnel protection equipment (PPEs) by all employees/ workers shall be ensured.	Complied	
viii	The company shall also comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, risk mitigation measures and public hearing relating to the project shall be implemented.	Complied	
ix	The company shall undertake all relevant measures for improving the socioeconomic conditions of the surrounding area. CSR activities shall be undertaken by involving local villages and administrations.	Complied.	
x	The company shall undertake eco developmental measures including community welfare in the project area for the overall improvement of the environment.	Complied.	
xi	A separate environmental Management cell equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.	Complied.	
xii	The company shall earmark sufficient funds to implement the conditions stipulated by the Ministry of Environment and Forests as well as state Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management/pollution control measures shall not	Adhered.	

Berger Paints India Limited, Hindupur

	be diverted for any other purposes.		
xiii	A copy of the clearance letter shall be sent by the project proponent to concern panchayat, Zilla parishad/Municipal corporation, union local body and the local NGO, if any from who suggestions representations, if any, were received while processing the proposal.	Noted and will be complied	



Signature

Name: **Venkata Apparao D**

Address: **Berger Paints India Ltd**

Plot No: **262, Industrial Area,**

Hindupur,

Anantapur District.



MINERAL ENGINEERING SERVICES

Recognised by GOI, MoEF&CC under E(P)A 1986 Vide Gazette Notification
No. S.O. 857(E) dated 26.02.2018. Recognition valid upto 25.02.2023



ISO9001:2015
OHSAS (ISO 45001:2018)

Table No. 1 a

ANALYSIS REPORT OF AMBIENT AIR QUALITY

MES/AQ/FTR/08/00

Name of the Project : Berger Paints India Limited, Industrial Park, Thumakunta village, Hindupuram Mandal, Anantapuram Dist, Andhra Pradesh.

Location : DG Set Back Side (250KVA & 1250KVA)

Barometric pressure : 705 mm of Hg

Temperature : Min 15.0°C Max 26.0°C

Relative Humidity : Min 50% Max 71%

Duration : 24 Hrs.

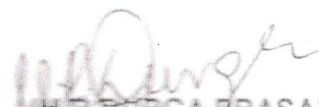
Date of Report : 24.12.2021

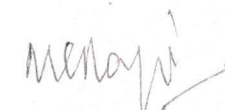
Report No : MES/WS/ARN/01

Date of Sampling	Concentration					
	Sulphur Dioxide (SO ₂), µg/m ³	Nitrogen Dioxide (NO ₂), µg/m ³	PM ₁₀ , (µg/m ³)	PM _{2.5} , (µg/m ³)	Ammonia (NH ₃), µg/m ³	Benzene (C ₆ H ₆), µg/m ³
17.12.2021 to 18.12.2021	12	14	57	26	<20	<1
Limits for Industrial, Residential, Rural and other Areas	80 24 Hrs	80 24 Hrs	100 24 Hrs	60 24 Hrs	400 24 Hrs	5 Annual

Date of Sampling	Concentration					
	Lead (Pb), µg/m ³	Nickel (Ni), ng/m ³	Arsenic (As), ng/m ³	Benzo(a)Pyrene (BaP), ng/m ³	Carbon Monoxide* (CO), mg/m ³	Ozone* (O ₃), µg/m ³
17.12.2021 to 18.12.2021	0.14	<0.5	<0.5	<0.5	0.31	24
Limits for Industrial, Residential, Rural and other Areas	1.0 24 Hrs	20 Annual	6 Annual	1 Annual	4 1 Hr	180 1 Hr

Note : * Parameters monitored for period of 1 hr


M.R. DURGA PRASAD
GOVT. ANALYST


(M.S. RAJU)
HEAD OF LABORATORY

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OHSAS (ISO 45001:2018)

Table No. 1 b

ANALYSIS REPORT OF AMBIENT AIR QUALITY

MES/AQ/FTR/08/00

Name of the Project : Berger Paints India Limited, Industrial Park, Thumakunta village, Hindupuram Mandal, Anantapuram Dist, Andhra Pradesh.

Location : Near ETP Area

Barometric pressure : 705 mm of Hg

Temperature : Min 15.0°C Max 26.0°C

Relative Humidity : Min 50% Max 71%

Duration : 24 Hrs.

Date of Report : 24.12.2021

Report No : MES/WS/ARN/02

Date of Sampling	Concentration					
	Sulphur Dioxide (SO ₂), µg/m ³	Nitrogen Dioxide (NO ₂), µg/m ³	PM ₁₀ , (µg/m ³)	PM _{2.5} , (µg/m ³)	Ammonia (NH ₃), µg/m ³	Benzene (C ₆ H ₆), µg/m ³
17.12.2021 to 18.12.2021	9	12	51	26	<20	<1
Limits for Industrial , Residential, Rural and other Areas	80 24 Hrs	80 24 Hrs	100 24 Hrs	60 24 Hrs	400 24 Hrs	5 Annual

Date of Sampling	Concentration					
	Lead (Pb), µg/m ³	Nickel (Ni), ng/m ³	Arsenic (As), ng/m ³	Benzo(a)Pyrene (BaP), ng/m ³	Carbon Monoxide* (CO), mg/m ³	Ozone* (O ₃), µg/m ³
17.12.2021 to 18.12.2021	0.18	<0.5	<0.5	<0.5	0.26	21
Limits for Industrial , Residential, Rural and other Areas	1.0 24 Hrs	20 Annual	6 Annual	1 Annual	4 1 Hr	180 1 Hr

Note : * Parameters monitored for period of 1 hr

(M.R. DURGA PRASAD)
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ISO9001:2015
OHSAS (ISO 45001:2018)

Table No. 1 c

ANALYSIS REPORT OF AMBIENT AIR QUALITY

MES/AQ/FTR/08/00

Name of the Project	: Berger Paints India Limited, Industrial Park, Thumakunta village, Hindupuram Mandal, Anantapuram Dist, Andhra Pradesh.
Location	: Near Admin (U/G Water Tank)
Barometric pressure	: 705 mm of Hg
Temperature	: Min 15.0°C Max 26.0°C
Relative Humidity	: Min 50% Max 71%
Duration	: 24 Hrs.
Date of Report	: 24.12.2021
Report No	: MES/WS/ARN/03

Date of Sampling	Concentration					
	Sulphur Dioxide (SO ₂), µg/m ³	Nitrogen Dioxide (NO ₂), µg/m ³	PM ₁₀ , (µg/m ³)	PM _{2.5} , (µg/m ³)	Ammonia (NH ₃), µg/m ³	Benzene (C ₆ H ₆), µg/m ³
17.12.2021 to 18.12.2021	10	13	43	24	<20	<1
Limits for Industrial , Residential, Rural and other Areas	80 24 Hrs	80 24 Hrs	100 24 Hrs	60 24 Hrs	400 24 Hrs	5 Annual

Date of Sampling	Concentration					
	Lead (Pb), µg/m ³	Nickel (Ni), ng/m ³	Arsenic (As), ng/m ³	Benzo(a)Pyrene (BaP), ng/m ³	Carbon Monoxide* (CO), mg/m ³	Ozone* (O ₃), µg/m ³
17.12.2021 to 18.12.2021	0.09	<0.5	<0.5	<0.5	0.11	26
Limits for Industrial , Residential, Rural and other Areas	1.0 24 Hrs	20 Annual	6 Annual	1 Annual	4 1 Hr	180 1 Hr

Note : * Parameters monitored for period of 1 hr

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OHSAS (ISO 45001:2018)

Table No. 1 d

ANALYSIS REPORT OF AMBIENT AIR QUALITY

MES/AQ/FTR/08/00

Name of the Project	: Berger Paints India Limited, Industrial Park, Thumakunta village, Hindupuram Mandal, Anantapuram Dist, Andhra Pradesh.
Location	: Near Green Belt Area
Barometric pressure	: 705 mm of Hg
Temperature	: Min 15.0°C Max 26.0°C
Relative Humidity	: Min 50% Max 71%
Duration	: 24 Hrs.
Date of Report	: 24.12.2021
Report No	: MES/WS/ARN/04

Date of Sampling	Concentration					
	Sulphur Dioxide (SO ₂), µg/m ³	Nitrogen Dioxide (NO ₂), µg/m ³	PM ₁₀ , (µg/m ³)	PM _{2.5} , (µg/m ³)	Ammonia (NH ₃), µg/m ³	Benzene (C ₆ H ₆), µg/m ³
17.12.2021 to 18.12.2021	9	10	49	21	<20	<1
Limits for Industrial , Residential, Rural and other Areas	80 24 Hrs	80 24 Hrs	100 24 Hrs	60 24 Hrs	400 24 Hrs	5 Annual

Date of Sampling	Concentration					
	Lead (Pb), µg/m ³	Nickel (Ni), ng/m ³	Arsenic (As), ng/m ³	Benzo(a)Pyrene (BaP), ng/m ³	Carbon Monoxide* (CO), mg/m ³	Ozone* (O ₃), µg/m ³
17.12.2021 to 18.12.2021	0.19	<0.5	<0.5	<0.5	0.21	20
Limits for Industrial , Residential, Rural and other Areas	1.0 24 Hrs	20 Annual	6 Annual	1 Annual	4 1 Hr	180 1 Hr

Note : * Parameters monitored for period of 1 hr

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Table No.1 e

ANALYSIS REPORT OF FUGITIVE AIR QUALITY

MES/AQ/FTR/08/00

Project	: Berger Paints India Limited, Industrial Park, Thumakunta (V), Hindupuram (M), Anantapuram Dist, AP			
Locatuon	: 1st Floor water Base			
Barometric pressure	: 705 mm of Hg			
Temperature	: Min 15.0°C Max 26.0°C			
Relative Humidity	: Min 50% Max 71%			
Date of Report	: 24.12.2021			
Report No	: MES/WS/ARN/05			
Duration : 8 Hrs				
Monitoring Date	Sulphur Dioxide (SO ₂), µg/m ³	Nitrogen Dioxide (NO ₂), µg/m ³	Particulate Matter	
			SPM µg/m ³	RPM µg/m ³
18.12.2021	10	14	235	156
Methods of Measuremant	Improved West & Gaeke	Modified Jacob & Hochheiser	Gravimetric	Gravimetric
Ref : EPA Notification :GSR176 (E)				
Permissible limits for Industrial Area, (Max)				
	SO ₂	NO ₂	SPM	RPM
	120	120	500	150

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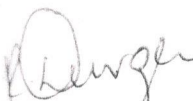
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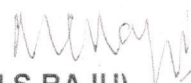
Table No.1 f

ANALYSIS REPORT OF FUGITIVE AIR QUALITY

MES/AQ/FTR/08/00

Project	: Berger Paints India Limited, Industrial Park, Thumakunta (V), Hindupuram (M), Anantapuram Dist, AP			
Locatuon	: Raw Materal Area Ground Floor			
Barometric pressure	: 705 mm of Hg			
Temperature	: Min 15.0 ^o C Max 26.0 ^o C			
Relative Humidity	: Min 38% Max 75%			
Date of Report	: 24.12.2021			
Report No	: MES/WS/ARN/06			
		Duration : 8 Hrs		
Monitoring Date	Sulphur Dioxide (SO ₂), µg/m ³	Nitrogen Dioxide (NO ₂), µg/m ³	Particulate Matter	
			SPM µg/m ³	RPM µg/m ³
18.12.2021	12	16	270	155
Methods of Measuremant	Improved West & Gaeke	Modified Jacob & Hochheiser	Gravimetric	Gravimetric
Ref : EPA Notification :GSR176 (E)				
Permissible limits for Industrial Area, (Max)				
	SO ₂	NO ₂	SPM	RPM
	120	120	500	150


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Table No. 4 b

GROUND TEST ANALYSIS REPORT

MES/W/TR/11/00

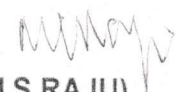
Name of the Project : Berger Paints India Limited, Industrial Park, Thumakunta village,
Hindupuram Mandal, Anantapuram Dist, Andhra Pradesh.
Location of Sampling : GW2- U/G Tank Near Parking Area
Date of sampling : 17.12.2021.
Date of Report : 24.12.2021
Report No : MES/WS/WR/04

Ref : IS:10500-2012 Norms (Drinking Water Standards)

Sl. No.	Parameters	Method of Testing	Result
i	Copper (as Cu),mg/l	IS:3025 (Part-42)	0.06
ii	Zinc (as Zn),mg/l	IS:3025 (Part-49)	0.05
iii	Lead (as Pb),mg/l	IS:3025 (Part-47)	<0.005
iv	Nickel (as Ni),mg/l	IS:3025 (Part-54)	<0.01
v	Total Chromium (as Cr),mg/l	IS:3025 (Part-52)	<0.03
vi	Hexavalent Chromium as Cr ⁺⁶ (mg/l)	IS 3025 (Part-52)	<0.03

Samples Collected & Analysed by Mineral Engineering Services, Ballari


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ISO9001:2015
OHSAS (ISO 45001:2018)

Table No. 4 c

GROUND TEST ANALYSIS REPORT


MES/W/TR/11/00

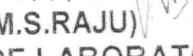
Name of the Project : Berger Paints India Limited, Industrial Park, Thumakunta village,
Hindupuram Mandal, Anantapuram Dist, Andhra Pradesh.
Location of Sampling : GW3- Pump house
Date of sampling : 17.12.2021.
Date of Report : 24.12.2021
Report No : MES/WS/WR/05

Ref : IS:10500-2012 Norms (Drinking Water Standards)

Sl. No.	Parameters	Method of Testing	Result
i	Copper (as Cu),mg/l	IS:3025 (Part-42)	0.05
ii	Zinc (as Zn),mg/l	IS:3025 (Part-49)	0.09
iii	Lead (as Pb),mg/l	IS:3025 (Part-47)	<0.005
iv	Nickel (as Ni),mg/l	IS:3025 (Part-54)	<0.01
v	Total Chromium (as Cr),mg/l	IS:3025 (Part-52)	<0.03
vi	Hexavalent Chromium as Cr ⁺⁶ (mg/l)	IS 3025 (Part-52)	<0.03

Samples Collected & Analysed by Mineral Engineering Services, Ballari


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ISO9001:2015
OHSAS (ISO 45001:2018)

Table No. 6

NOISE LEVEL DATA

MES/NOISE/FR/02/00

Name of the Project : Berger Paints India Limited, Industrial Park, Thumakunta village, Hindupuram Mandal, Anantapuram Dist, Andhra Pradesh.							
Date of monitoring : 17.12.2021							
Date of Report : 24.12.2021							
Report No : MES/WS/NRN/01							
Code No.	Monitoring stations	Day			Nigt		
		L _{min}	L _{eq}	L _{max}	L _{min}	L _{eq}	L _{max}
N1	WB Manufacturing building 1 st floors	50.0	62.6	67.4	41.6	51.5	54.2
N2	Near two gates outside	47.5	53.9	60.1	42.1	46.1	49.6
N3	RM Area	52.5	55.0	56.2	47.6	50.9	52.8
N4	DG Set Area	52.6	61.8	63.0	50.6	57.8	60.0
Permissible Limits of Ambient Noise Levels as per CPCB Guidelines							
Leq. Limit dB(A)							
Day Night							
Industrial areas 75 70							
Commercial area 65 55							
Residential area 55 45							
Permissible limits as per ILO Code of Practice							
For Unprotected ear - 8 hrs working shift							
Warning limit - 85 dB(A)							
Danger limit - 90 dB(A)							
Worker not to be exposed for more than 115 dB(A)							
With ear protection -							
130 dB(A) 'Impulse' or 120 dB(A) 'Fast'							
No entry when noise level exceeds 140 dB(A)							

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Table No. 7 a

STACK MONITORING REPORT

MES/STK/FTR/03/00

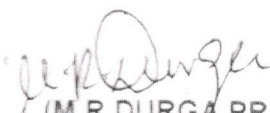
Project : Berger Paints India Limited, Industrial Park, Thumakunta village,
Hindupuram Mandal, Anantapur Dist., Andhra Pradesh.

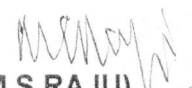
Date of Monitoring : 17.12.2021

Date of Report : 24.12.2021.

Report No : MES/WS/STR/01

Sl No	Parameters	units	Result	Limits
			DG set 1	
1	Stack height	Mts	5	--
2	Stack diameter	Mts	0.13	--
3	Capacity of DG	KVA	250	--
4	Stack Temperature	(°C)	388	--
5	Velocity	(m/sec)	19.62	--
6	Quantity of Gases	(Nm ³ /hr)	819	--
7	Nox +HC	(g/Kw-Hr)	1.97	≤ 4.0
8	CO		1.290	≤ 3.5
9	PM		0.139	≤ 0.2


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Table No. 7 b

STACK MONITORING REPORT

MES/STK/FTR/03/00


Project : Berger Paints India Limited, Industrial Park, Thumakunta village,
Hindupuram Mandal, Anantapur Dist., Andhra Pradesh.

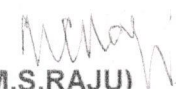
Date of Monitoring : 17.12.2021

Date of Report : 24.12.2021.

Report No : MES/WS/STR/02

Sl No	Parameters	units			DG Limits 0.8MW to 75MW
			DG sets 2	DG sets 3	
1	Stack height	Mts	5	5	--
2	Stack diameter	Mts	0.38	0.38	--
3	Capacity of DG	KVA	1250	1250	--
4	Stack Temperature	(°C)	355	365	--
5	Velocity	(m/sec)	17.9	18.4	--
6	Quantity of Gases	(Nm ³ /hr)	6584	6716	--
7	NO _x as (NO ₂) (at 15% O ₂), Dry basis	PPMV	226	236	710
8	NHC (as C) (at 15% O ₂),	mg/Nm ³	40	32	100
9	PM (at 15% O ₂),	mg/Nm ³	33	36	75
10	CO (at 15% O ₂),	mg/Nm ³	43	54	150


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ISO9001:2015
OHSAS (ISO 45001:2018)

Table No. 7 c

STACK MONITORING REPORT

MES/STK/FTR/03/00

Project : Berger Paints India Limited, Industrial Park, Thumakunta village,
Hindupuram Mandal, Anantapuram Dist, Andhra Pradesh.

Location : Stack of Dust Collectors


Date of Monitoring : 17.12.2021

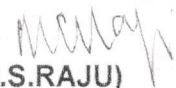
Date of Report : 24.12.2021

Report No : MES/WS/STR/03

Ref ; G.S.K 1214(E)

Sl No	Parameters	Result
1	Barometric pressure (mm of Hg)	705
2	Stack diameter (Mts)	0.74
3	Stack Temperature (°C)	44
4	Velocity (m/sec)	12.65
5	Quantity of Gas flow (Nm ³ /hr)	17130
6	Sulphur Dioxide (SO ₂), mg/Nm ³	48.6
7	Nitrogen Dioxide (NO ₂), mg/Nm ³	13.8
8	Particulate Matter (PM) (mg/Nm ³)	22.6


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Table No. 8

SOIL ANALYSIS REPORT

MES/SOIL/FTR/03/00

Project : Berger Paints India Limited, Industrial Park, Thumakunta village,
Hindupuram Mandal, Anantapuram Dist, Andhra Pradesh.


Location : 1. Near ETP Plant Area, 2. Near Green Belt Area & 3. Near Scrap Yard

Date of Samples : 17.12.2021

Date of Report : 24.12.2021

Report No : MES/WS/SR/01

SL.	PARAMETERS	Result		
		Near ETP Plant Area	Near Green Belt Area	Near Scrap Yard
1	Total Chromium as Cr(mg/Kg)	3.78	2.21	3.17
2	Copper as Cu(mg/Kg)	0.36	0.31	0.45
3	Hexavalent Chromium as Cr ⁺⁶ (mg/Kg)	0.30	0.43	0.31
4	Lead as Pb (mg/Kg)	0.26	0.35	0.25
5	Zinc as Zn (mg/Kg)	0.20	0.17	0.35
6	Nickel as Ni (mg/Kg)	0.16	0.44	0.31

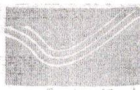

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