



To, The Joint Director, Ministry of Environment, Forest and Climate Change, Integrated Regional Office, Green house complex, Gopalareddy Road, Vijayawada, Andhra Pradesh 520010

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

Dear Sir,

Please find our Half-Yearly report (Oct'23 to Mar'24) on compliance to EC conditions as required.

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 GM-Manufacturing

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, Anantapur – 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, Part 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

Ма Истрија Надија	inistry of Environment, Complian 20	ent of India Forest and Clima ice Report 124 Oct - 31 Mar)	ate Chan	zee
Proposal Details				
Proposal Name		APIIC GROWTH	CENTER	LIMITED PLOT NO. 262, THUMUKUNTA ANDAL SRI SATYA SAI DESH - 515211
Name of Entity / Corporat	e Office	BERGER PAINTS	S INDIA I	LIMITED
Village(s)		TUMAKUNTA		
District	e	SRI SATHYA SA	I	
Proposal No. IA/AP/IND/21749/19		Category		Industrial Projects - 3
Plot / Survey <mark>/ Khasra</mark>	262	Sub-District		Hindupur
No.		Entity's PAN		AABCB0976E
State	ANDUD A DD ADESU	Linerty 51 mil		
State MoEF File No.	ANDHRA PRADESH J-11011/515/2010-IA II (I)	Entity name as PAN	per	BERGER PAINTS INDIA LIMITED
5	J-11011/515/2010-IA II (I)	Entity name as	per	
MoEF File No. Compliance Reportin Reporting Year	J-11011/515/2010-IA II (I) ng Details	Entity name as	per	
MoEF File No. Compliance Reporting Reporting Year Remarks (if any)	J-11011/515/2010-IA II (I) ng Details 2024 01 Jun(01 Oct - 31 Mar)	Entity name as	per	
MoEF File No. Compliance Reporting Reporting Year Remarks (if any) Reporting Period Details of Production	J-11011/515/2010-IA II (I) ng Details 2024 01 Jun(01 Oct - 31 Mar)	Entity name as PAN	per	
MoEF File No. Compliance Reporting Reporting Year Remarks (if any) Reporting Period Details of Production Name of Entity /	J-11011/515/2010-IA II (I) ng Details 2024 01 Jun(01 Oct - 31 Mar) n and Project Area RGER PAINTS INDIA LIMIT	Entity name as PAN		
MoEF File No. Compliance Reporting Reporting Year Remarks (if any) Reporting Period Details of Production Name of Entity /	J-11011/515/2010-IA II (I) ng Details 2024 01 Jun(01 Oct - 31 Mar) n and Project Area RGER PAINTS INDIA LIMIT	Entity name as PAN		INDIA LIMITED
MoEF File No. Compliance Reporting Reporting Year Remarks (if any) Reporting Period Details of Production Name of Entity / BE	J-11011/515/2010-IA II (I) Details 2024 01 Jun(01 Oct - 31 Mar) and Project Area RGER PAINTS INDIA LIMIT Project Area as	Entity name as PAN	Annua	INDIA LIMITED
MoEF File No. Compliance Reporting Reporting Year Remarks (if any) Reporting Period Details of Production Name of Entity / BE Corporate Office BE	J-11011/515/2010-IA II (I) Details 2024 01 Jun(01 Oct - 31 Mar) and Project Area RGER PAINTS INDIA LIMIT Project Area as 0	Entity name as PAN	- - - - - - - - - - - - - - - - - - -	INDIA LIMITED
MoEF File No. Compliance Reporting Reporting Year Remarks (if any) Reporting Period Details of Production Name of Entity / BE Corporate Office BE Private Revenue Land	J-11011/515/2010-IA II II II 2024 01 Jun(01 Oct - 31 Mar) II III IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	Entity name as PAN	- - - - - - - - - - - - - - - - - - -	INDIA LIMITED

Sr. no Product Name				units	Valid Upto	Capacity	Production last year	Capacity a per CTO
1 Water based distemper paints Othe		ers:MTPA	N/A	48000	0			
2 Water based polymer emulsion			Othe	ers:MTPA	N/A	100000	0	
Water C		li	hers:kilo tres per annum	N/A	272000	65262		
Conditi	ons	e						•
ecific C	onditions							
Sr.No.	Condition 7	Type	1	Conditi	on Details			
1	MISCELLA	ANEOUS		No lead	and chromium-	based paint sha	all be manufactu	ired.
PPs Su Noted	PPs Submission: Being Complied Interview MISCELLANEOUS Only water Paint shall be manufactured. No solven manufactured without prior permission obtained from							
			_					
PPs Su Noted	ıbmission: Beir	ng Complied				P. S.		Date: 13/04/2024
	AIR QUAL MONITORIN PRESERVAT	JTY NG AND		adequate s	eous emission fr stack height as p rovided to the D	ber CPCB stand	lards. Acoustic	13/04/2024 through enclosure
Noted 3 PPs Su	AIR QUAL MONITORIN PRESERVAT	JTY NG AND ΓΙΟΝ	eparate	adequate s shall be p	stack height as p rovided to the D	oer CPCB stand OG sets to mitig	lards. Acoustic tate the noise po	13/04/2024 through enclosure
Noted 3 PPs Su	AIR QUAL MONITORIN PRESERVAT	JTY NG AND FION		adequate s shall be pr e stacks with Occupat	stack height as p rovided to the D	oer CPCB stand G sets to mitig nt are available veillance of the	lards. Acoustic rate the noise po e workers shall	13/04/2024 through enclosure illution. Date: 13/04/2024 be done on a
Noted 3 PPs Su DG sets 4 PPs Su	AIR QUAL MONITORIN PRESERVAT Ibmission: Con are under acous Human Hea	JTY NG AND FION nplied stic enclosure. So alth Environmen	t e	adequate s shall be pr e stacks with Occupat regular ba	stack height as p rovided to the D n adequate heigh ional health sur	oer CPCB stand G sets to mitig nt are available veillance of the	lards. Acoustic rate the noise po e workers shall	13/04/2024 through enclosure illution. Date: 13/04/2024 be done on a
Noted 3 PPs Su DG sets 4 PPs Su	AIR QUAL MONITORIN PRESERVAT Ibmission: Con are under acous Human Hea	JTY NG AND FION splied stic enclosure. So alth Environmen nplied done and record	t e	adequate s shall be pr e stacks with Occupat regular ba maintained Provisio within the fuel for co medical h temporary All the co	stack height as p rovided to the D n adequate heigh ional health sur	er CPCB stand G sets to mitig at are available veillance of the maintained as p for the housin cessary infrastr oilets, mobile S he etc. The hou removed after es shall be man	ards. Acoustic ate the noise po workers shall per the Factorie g for the constru- ucture and facil STP, safe drinki sing may be in the completion	13/04/2024 through enclosure illution. Date: 13/04/2024 be done on a s Act. Date: 13/04/2024 uction labor ities such as ng water, the form of a of the project

6	PRESERVATION monitored data on its website and shall update the sa It shall simultaneously be sent to the Regional office respective Zonal office of CPCB and APPCB.					
Environ	Ibmission: Being Complied nental monitoring being done The app v for display to public.	plicable parameters are displayed at main gate of the	Date: 27/04/2024			
7	AIR QUALITY MONITORING AND PRESERVATION	In plant control measures for checking fugitive emiss the vulnerable sources shall be provided. Fugitive emiss controlled by providing closed storage, closed handling conveyance of chemicals /materials, multi cyclone sepa water sprinkling system. Dust suppression system inclu- sprinkling system shall be provided at loading and uplo control dust emissions. Fugitive emissions in the work environment, product, raw materials storage area etc. si regularly monitored. The emission shall confirm to the stipulated by the APPCB.	sions shall be g & arator and ading water bading areas to zone hall be			
Adequat	ibmission: Being Complied e dust extraction system and closed lo emissions	oop charging system are implemented to control the	Date: 27/04/2024			
8	Human Health Environment	VOCs detectors shall be installed in the work zone. We monitoring results indicate above the permissible limits measures shall be taken immediately.				
It is not a		ot using any solvent. However, we have procured check the VOC as per the requirement	Date: 13/04/2024			
9	MISCELLANEOUS	For further control of fugitive emissions, following st followed: Closed handling system shall be provided for Reflux condenser shall be provided over reactor. Syster detection and repair of pump/pipeline based on prevent maintenance. The acid shall be taken form storage tank through closed pipeline. Storage tanks shall be vented to receiver and condenser operated on chilled water. Cath shall be provided to the underground solvent storage tank	r chemicals. m of leak tive ts to reactor through trap odic protection			
Raw ma		arged through closed pipelines from storage area to maintenance being carried out. No acid is used in our	Date: 13/04/2024			
10	Statutory compliance	Total fresh water requirement from APIIC water suppexceed 524 cum/day and prior permission shall be obta concerned authority and a copy submitted to the minist office at Bangalore. No ground water shall be used.	ined from the			
	Ibmission: Complied ermission letter available. No ground	water is being used.	Date: 13/04/2024			
11	WATER QUALITY MONITORING AND PRESERVATION	Total industrial waste water generation shall not exce cum/day. Industrial effluent shall be treated in ETP cor physiochemical treatment facility, biological treatment	nprising			

12	t flushing	ary units is available. The treated water is being used	13/04/2024
	Statutory compliance	No effluent shall be discharged outside the factory p Zero discharge concept shall be adopted.	premises and
	ubmission: Being Complied t is not at all discharged.		Date: 13/04/2024
13	Risk Mitigation and Disaster Management	Hazardous chemicals shall be stored in tanks, tank f carboys etc. Flame arrestors shall be provided on tank transfer shall be by pumps.	
	ubmission: Complied ardous chemicals are being used in ou	r plant. No solvents are being used.	Date: 13/04/2024
14	Statutory compliance	The company shall obtain Authorization for collectidisposal of hazardous waste under hazardous Waste (Handling and Transboundary Movement) rules, 2016 on date for management of Hazardous wastes and prior from APPCB shall be obtained for disposal of solid /h wastes in the TSDF. Measures shall be taken from for facilities in case of emergency.	management, and amended a or permission azardous
	ubmission: Complied horization available. Fire detection sy	ystem and fire protection systems are available.	Date: 13/04/2024
15	Statutory compliance	The company shall strictly comply with the rules an under manufacture, Storage and Import of hazardous (MSIHC) Rules 1989 as amended time to time. All Tr hazardous Chemicals shall be as per the Motor Vehicl 1989.	chemicals ansportation o
	ubmission: Complied f the raw materials used in our plant f	all under MSIHC rules.	Date: 13/04/2024
16	WASTE MANAGEMENT	The company shall undertake following waste minim measures : Metering and control of quantities of activ minimize waste. Reuse of by – products from the pro- materials or as raw material substitute in other process automated filling to minimize spillage. Use of close for batch reactors. Venting equipment through vapor reco Use of high-pressure hoses for equipment cleaning to water generation.	e ingredients to cess as raw ses. Use of eed system into overy system
All the p and flow Automa	w meter which automatically decrease	e taken from pneumatic conveying system with load cell es the wastage. There is no by-product in our process. ed loop feeding system is implemented. No solvents are ag used for cleaning of equipment.	Date: 13/04/2024
17	MISCELLANEOUS	Proper spillage management plan shall be prepared implemented. A copy of spillage management plan sh to the Ministry's regional office at Bangalore.	

	ubmission: Complied management plan available.		Date: 13/04/2024
18	Risk Mitigation and Disaster Management	The unit shall make the arrangement for protection hazards during manufacturing process in material has fighting system shall be as per the OISD 117 norms. system shall be provided along with fire monitor and system in the process as well as storage areas.	ndling. Fire- Fire hydrant
	ubmission: Complied te fire protection and fire detection sy	ystems are available	Date: 13/04/2024
19	GREENBELT	Green belt shall be developed in 80,617 sqm out of 831 sqm. Thick green belt with suitable plant species developed around the unit to mitigate the odor proble	shall be
	ubmission: Complied te green b <mark>elt is maintained which is 4</mark>	1.5 % of total site area.	Date: 13/04/2024
20	AIR QUALITY MONITORING AND PRESERVATION	Adequate stack height shall be provided to HSD/LI boilers (5 Nos) to control air emissions. As proposed extraction system shall be provided to capture fugitive fine particles from mixers during powder charging.	adequate dust
	ubmission: Being Complied by there are no Boilers in our plant. F	or Mixers the plant has a dedicated dust extraction	Date: 13/04/2024
21	AIR QUALITY MONITORING AND PRESERVATION	The gaseous emissions (SO2, NOx, CO and HC) at matter from boiler stack shall confirm to the norms p CPCB/AP pollution Control Board (APPCB) from the no time, the emission levels shall go beyond the press In the event of failure of any pollution control system unit, the respective unit shall not be restarted until the measure are rectified to achieve the desired efficiency emissions shall be monitored regularly.	rescribed by the me to time. At cribed standard a adopted by the e control
	ubmission: Complied y there are no Boilers in our plant. H	lence it is not applicable.	Date: 13/04/2024
neral C	Conditions	e-Payments	
Sr.No.	Condition Type	Condition Details	
1	Human Health Environment	Usage of Personnel protection equipment (PPEs) by workers shall be ensured.	y all employees
	ubmission: Complied te PPE being provided to employees	and usage is monitored and ensured.	Date: 13/04/2024
		No further expansion or modification in the plant shout without prior approval of the Ministry of environ	

	Submission: Agreed to Comply		Date: 13/04/2024
Noted			
3	AIR QUALITY MONITORING AND PRESERVATION	The locations of ambient air quality monitoring statt decided in consultation with the State pollution Contr shall be ensured that at least one stations is installed in and downwind direction as well as where maximum g concentrations are anticipated.	ol Board and in the up wind
	Submission: Complied stations installed.		Date: 13/04/2024
4	Noise Monitoring & Prevention	The overall noise levels in and around the plant area well within the standards by providing noise control r including acoustic hoods, silencers, enclosures etc. on noise generation. The ambient noise levels shall confi standards prescribed under environment (protection) a viz. 75 dBA (day time) and 70 dBA (night time)	neasures all sources of rm to the
	Submission: Being Complied monitoring being done.	a state of	Date: 27/04/2024
5	Human Health Environment	The company shall harvest rainwater from the roof to buildings and storm water drains to recharge the grout use the same water for the process activities of the pro- fresh water.	nd water and
22 No	Submission: Complied s of rain water recharge pits are availabl ter harvesting/recharge pits.	e. Strom water drains in plant are directed towards	Date: 13/04/2024
6	Human Health Environment	Training shall be imparted to the employees on safe aspects of chemicals handling. Pre-employment and r periodical medical examinations for the all employees undertaken on regular basis. Training to all employees chemicals shall be imparted.	outine shall be
Traini	Submission: Complied ng being imparted to all employees on s riodic) examinations are being done.	afe handling of chemicals. Medical (pre employment	Date: 13/04/2024
7	MISCELLANEOUS	The company shall also comply with all the environ protection measures and safeguards proposed in the d submitted to the Ministry. All the recommendations n EIA/EMP in respect of environmental management, r measures and public hearing relating to the project shi implemented.	ocuments hade in the isk mitigation
PPs Compl	Submission: Complied lied		Date: 13/04/2024
		The company shall undertake all relevant measures	for improving

	e	ancial year 23-24, laboratory equipment have been olleges at Hindupur & Madakasira in Sri Satya Sai 200.	Date: 27/04/2024
9	Corporate Environmental Responsibility	The company shall undertake eco developmental including community welfare in the project area for improvement of the environment.	
CER a Santhe		ke by removing plastics and other wastes in ints India Limited - Hindupur plant Collected plastic	Date: 03/05/2024
10	Human Health Environment	A separate environmental Management cell equip fledged laboratory facilities shall be set up to carry Environmental Management and Monitoring funct	out the
	Submission: Complied te environment management cell with	a laboratory is available and functional.	Date: 13/04/2024
11	Human Health Environment	The company shall earmark sufficient funds to in conditions stipulated by the Ministry of Environme well as state Government along with the implement all the conditions stipulated herein. The funds so ear environment management/pollution control measu diverted for any other purposes.	ent and Forests as tation schedule for armarked for
Separa	Submission: Complied te funds are earmarked and they are n		
Consu cost: ३ monit	atters for the FY23-24 is ₹ 1,23,51,3 umables cost for ETP: ₹ 5,56,216 ₹ 16,98,292 Capital expenditure 1 to <mark>ring: ₹ 4,46,666</mark> HW disposal: ₹	ever diverted for other purposed. Total expenditure for 362 Item wise cost details are as follows: Electricity cost for ETP: ₹ 3,78,840 Manpower towards Env. matters: ₹ 74,00,000 Env ₹ 9,99,900 Repair and maintenance cost: ₹ operation: ₹ 3,02,667	Date:
Consu cost: monit 2,09,1	atters for the FY23-24 is ₹ 1,23,51,3 umables cost for ETP: ₹ 5,56,216 ₹ <mark>16,98,292 Capital expenditure 1</mark>	862 Item wise cost details are as follows: Electricity cost for ETP: ₹ 3,78,840 Manpower towards Env. matters: ₹ 74,00,000 Env 9,99,900 Repair and maintenance cost: ₹	Date: 03/05/2024 e project propone corporation, unio ggestions
Consu cost: monit 2,09,1 12 PPs	atters for the FY23-24 is ₹ 1,23,51,3 umables cost for ETP: ₹ 5,56,216 ₹ 16,98,292 Capital expenditure 1 toring: ₹ 4,46,666 HW disposal: ₹ 49 Power cost for dust collector	 362 Item wise cost details are as follows: Electricity cost for ETP: ₹ 3,78,840 Manpower towards Env. matters: ₹ 74,00,000 Env 9,99,900 Repair and maintenance cost: ₹ operation: ₹ 3,02,667 A copy of the clearance letter shall be sent by the to concerned panchayat, Zilla parishad/Municipal of local body and the local NGO, if any from who sug 	Date: 03/05/2024
Consu cost: monit 2,09,1 12 PPs	atters for the FY23-24 is ₹ 1,23,51,3 umables cost for ETP: ₹ 5,56,216 ₹ 16,98,292 Capital expenditure 1 toring: ₹ 4,46,666 HW disposal: ₹ 49 Power cost for dust collector MISCELLANEOUS	 362 Item wise cost details are as follows: Electricity cost for ETP: ₹ 3,78,840 Manpower towards Env. matters: ₹ 74,00,000 Env 9,999,900 Repair and maintenance cost: ₹ operation: ₹ 3,02,667 A copy of the clearance letter shall be sent by the to concerned panchayat, Zilla parishad/Municipal of local body and the local NGO, if any from who sug representations, if any, were received while proces 	Date: 03/05/2024 e project propone: corporation, unio ggestions sing the proposal Date: 13/04/2024 hly reports on the Clearance h in hard copies a ce of MoEF, the tion Control Boar ly compliance
Consu cost: monit 2,09,1 12 PPs No suc 13	atters for the FY23-24 is ₹ 1,23,51,3 umables cost for ETP: ₹ 5,56,216 ₹ 16,98,292 Capital expenditure 1 toring: ₹ 4,46,666 HW disposal: ₹ 49 Power cost for dust collector MISCELLANEOUS Submission: Agreed to Comply ch representations received. Statutory compliance	 362 Item wise cost details are as follows: Electricity cost for ETP: ₹ 3,78,840 Manpower towards Env. matters: ₹ 74,00,000 Env 9,99,900 Repair and maintenance cost: ₹ operation: ₹ 3,02,667 A copy of the clearance letter shall be sent by the to concerned panchayat, Zilla parishad/Municipal of local body and the local NGO, if any from who sug representations, if any, were received while proces Conditions including results of monitored data (bot well as my e-mail) to the respective Regional Offic respective Zonal office of CPCB and the AP Pollur A copy of Environmental Clearance and six month 	Date: 03/05/2024 e project propone: corporation, unio ggestions sing the proposal Date: 13/04/2024 hly reports on the Clearance h in hard copies a ce of MoEF, the tion Control Boar ly compliance

DD _o (Submission: Being Complied		ental clearance conditions and shall Regional Offices of MoEF by e-ma	il. Date:		
	complied			21/04/2024		
15	MISCELLANEOUS	the Minis	ject authorities shall inform the Regi try, the date of financial closure and the concerned authorities and the da	final approval of the		
PPs S Compl	Submission: Complied	dC DS		Date: 21/04/2024		
16	MISCELLANEOUS	been acco the cleara also be se shall be a clearance circulated language	ject proponent shall inform the public orded environmental clearance by the nce letter are available with the SPC en at Website of the Ministry at http dvertised within seven days from the letter, at least in two local newspape in the region of which one shall be of the locality concerned and a copy to the concerned Regional Office of	Ministry and copies of B/Committee and may ://envfor.nic.in. This date of issue of the ers that are widely in the vernacular of the same shall be		
PPs S Compl	Submission: Complied	26		Date: 21/04/2024		
17	Statutory compliance		ject authorities shall strictly adhere t Pollution Control Board.	o the stipulations mad		
PPs S Noted	Submission: Complied	Protects 1	f She is Prot	Date: 13/04/2024		
	3.	2 ⁹ 2	REEN	ST 1		
		Visit R	emarks			
Last Site	e Visit Report Date:		25/04/2024			
Additional Remarks:			Half yearly compliance report for the period of Oct 23 t Mar 24			

Your (Environment Clearance) application has been Submitted with following details					
Proposal No	IA/AP/IND/21749/1910				
Compliance ID	60365431				
Compliance Number(For Tracking)	EC/M/COMPLIANCE/60365431/2024				
Reporting Year	2024				
Reporting Period	01 Jun(01 Oct - 31 Mar)				
Submission Date	03-05-2024				
IRO Name	V Geroge Jenner				
IRO Email	tr025@ifs.nic.in				
State	ANDHRA PRADESH				
IRO Office Address	Integrated Regional Offices, Vijayawada				
Note:- SMS and E-Mail has been sent to V Geroge Jenner,	ANDHRA PRADESH with Notification to Project Proponent.				

ENVIRONMENTAL MONITORING REPORT March, 2024

PROJECT: BERGER PAINTS INDIA LIMITED,

Industrial Park, Thumakunta Village, Hindupuram Mandal, Anantapuram Dist, Andhra Pradesh

CONSULTANT

MINERAL ENGINEERING SERVICES

(Accredited by QCI-NABET ORG000756) 25/XXV, Club Road, BELLARY-583103, Karnataka, Tel 08392-267421, Mob: 0919448367421, Email: mes_msraju@yahoo.co.uk mesbly25@gmail.com ENVIRONMENTAL LABORATORY Unit of Mineral Engineering Services) (Accredited by NABL &, MOEF&CC Under E(P) 1986) #948, 2nd Cross, Kammanahalli Main Road, St Thomas Town Post, Bangalore-560 084, Karnataka,

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	(UNIT OF			and the second second	1.1.1		
	Recognia	sed by BIS, FSS	SAI, ISO:45001:	2018 Certi	fied Labor	atory	,
R	ecognised by Mol		ST REPO	-	ition valid	upto 23.05.202	25
			SINER		- 1		4
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				ITY		lab	le No. 1 a
6		ANDLIN	AIN QUAL			Report No : NO	37424035
lame of the Project	: Berger Paints I	ndia Limited, Ir	ndustrial Park,	Thumakun	ta village,	Hindupuram	Mandal,
	Anantapuram	Dist, Andhra P	radesh.				
ocation	: A1 - DG Set Ba	ck Side (250K\	A & 1250KVA	1		9	×.
Barometric pressure	: 705 mm of Hg						
emperature	: Min 22.0 ⁰ C Ma	x 36.0 ⁰ C					
Relative Humidity	: Min 31% Max	52%					
Duration	: 24 Hrs.						
ssue Date	: 29.03.2024						
				Concent	ation		
Date of Sampling	Lab Code	Sulphur Dioxide	Nitrogen Dioxide	PM _{10,}	PM _{2.5,}	Ammonia	Benzene (C ₆ H ₆),
		$(SO_2), \mu g/m^3$	$(NO_2), \mu g/m^3$	(µg/m ³)	(µg/m ³)	(NH ₃), μg/m ³	μg/m ³
26.03.2024	N/24/03/5-0374	12	18	58	33	<20	<1
_imits for Industrial ,		80	80	100	60	400	5
Residential, Rural and other	r Areas	24 Hrs	24 Hrs	24 Hrs	24 Hrs	24 Hrs	Annual
-				Concent	ration		-
Date of Sampling	Lab Code	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
26.03.2024	N/24/03/5-0374	0.18	<0.1	<0.5	<0.5	0.32	28
Limits for Industrial ,		1.0	20	6	1	4	180
Residential, Rural and o		24 Hrs	Annual	Annual	Annual	1 Hr	1 Hr
Note : * Parameters r	nonitored for per	od of 1 hr					
	4						
	,						
							8
						M·(ae M.SACH	un laj - IIN RAJU
						Т.М С	Chemical Ithorised Signatory
3					~		

Note : This report is subject to the terms and conditions mentioned overleaf.



And a state ISO 45001:2018

1.1.1

OF MINERAL ENGINEERING SERVICES) (UNIT

Recognised by BIS, FSSAI, ISO:45001:2018 Certified Laboratory Recognised by MoEFCC(CPCB) under E(P) Act 1986 recognition valid upto 23.05.2025

TEST REPORT

Table No. 1 b

STATE STATE

AMBIENT AIR QUALITY

Report No : N037524035

Name of the Project	: Berger Paints India Limited, Industrial Park, Thumakunta village, Hindupuram Mandal,
	Anantapuram Dist, Andhra Pradesh.
Location	: A2 - Near ETP Area
Barometric pressure	: 705 mm of Hg
Temperature	: Min 22.0 ^o C Max 36.0 ^o C
Relative Humidity	: Min 31% Max 52%

Duration : 24 Hrs.

: 29.03.2024

Issue Date

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		Concentration						
Date of Sampling	Lab Code	Sulphur Dioxide (SO ₂), μg/m ³	Nitrogen Dioxide (NO ₂), μg/m ³	Ρ Μ _{10,} (μg/m ³)	РМ _{2.5,} (µg/m ³)	Ammonia (NH ₃), μg/m ³	Benzene (C ₆ H ₆), μg/m ³	
26.03.2024	N/24/03/5-0375	14	16	55	28	<20	<1	
Limits for Industrial ,	Areas	80 24 Hrs	80 24 Hrs	100 24 Hrs	60 24 Hrs	400 24 Hrs	5 Annual	

and the second second second second		Concentration						
Date of Sampling	Lab Code	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* (Ο ₃), μg/m	
26.03.2024	N/24/03/5-0375	0.21	<0.1	<0.5	<0.5	0.45	23	
imits for Industrial , Residential, Rural and other Areas		1.0 24 Hrs	20 Annual	6 Annual	1 Annual	4 1 Hr	180 1 Hr	

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TEST REPORT

Table No. 1 c

AMB	IENT	' AIR	QUAL	ITY
		and the second se		

		7 the start	1 / 111 4 0/1					
	1.1.1					Report No : N	037624035	
Name of the Project	: Berger Paints I	India Limited, I	ndustrial Park,	Thumakur	nta village,	Hindupuram	Mandal,	
	Anantapuram	Dist, Andhra F	radesh.					
Location	: A3 - Near Admi	in (U/G Water T	ank)					
Barometric pressure	: 705 mm of Hg							
Temperature	: Min 22.0 ⁰ C Ma	: Min 22.0 ^o C Max 36.0 ^o C						
Relative Humidity	: Min 31% Max	52%						
Duration	: 24 Hrs.							
Issue Date	: 29.03.2024							
	1 0-5	Concentration						
Date of Sampling	Lab Code	Sulphur Dioxide (SO ₂), μg/m ³	Nitrogen Dioxide (NO ₂), μg/m ³	ΡΜ _{10,} (μg/m ³)	Ρ Μ _{2.5,} (μg/m ³)	Ammonia (NH ₃), μg/m ³	Benzene (C ₆ H ₆), μg/m ³	
26.03.2024	N/24/03/5-0376	11	14	48	27	<20	<1	
Limits for Industrial,		80	80	100	60	400	5	
Residential, Rural and othe	r Areas	24 Hrs	24 Hrs	24 Hrs	24 Hrs	24 Hrs	Annual	
				Concent	ration			
Date of Sampling	Lab Code	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	
26.03.2024	N/24/03/5-0376	0.13	<0.1	<0.5	<0.5	0.22	22	

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24 Hrs

Note : * Parameters monitored for period of 1 hr

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VICES) ratory upto 23.05.202 Tal <u>Report No : N</u> , Hindupuram	ble No. 1 d
upto 23.05.202 Tal	ble No. 1 d
Report No : N	037724035
, Hindupuram	Mandal,
	4
1	
Ammonia	Benzene (C ₆ H ₆),
(NH ₃), μg/m ³	μg/m ³
<20	<1
400	5
24 Hrs	Annual
Carbon Monoxide* (CO), mg/m ³	Ozone* (O ₃), μg/m ³
0.2	24
0.3	
4	180
	400 24 Hrs Carbon

M. SACHIN RAJUF, T.M. - Chemical

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TEST REPORT

Table No.1 e

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	FUG	ITIVE AIR	QUALITY					
				Report No : N038	024035			
Project	: Berger Paints	s India Limited	l, Industrial Park					
	Thumakunta (V), Hindupur	am (M), Anantapu	ıram Dist, AP				
Locatuon	: A5 - 1st Floor	r water Base						
Barometric pressure	: 705 mm of Hg							
Temperature	: Min 22.0 ^o C Max 36.0 ^o C							
Relative Humidity	: Min 31% Max	x 52%						
Issue Date	: 29.03.2024							
		Duration	: 8 Hrs					
Monitoring	Lab Code	Sulphur Dioxide	Nitrogen Dioxide	Particulate	e Matter			
Date		(SO₂), μg/m³	(NO ₂), μg/m ³	RPM µg/m ³	SPM µg/m ³			
27.03.2024	N/24/03/5-0380	14	15	112	321			
Methods of Measuremant	•	Improved Wes & Gaeke	t Modified Jacob & Hochheiser	Gravimetric	Gravimetric			
Ref : EPA Notification :	GSR176 (E)							
Permissible limits for Indu	ustrial Area, (Max)	SO ₂	NO ₂ SPM	RPM				
		120	120 500	150				
		X						
	8			÷	3			
			5					
		8 *						

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TEST REPORT

Table No.1 f

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	FUG	ITIVE AIR (QUALITY		
n				Report No : N038	124035
Project	: Berger Paints	India Limited,	Industrial Park,		
	Thumakunta (V), Hindupuran	n (M), Anantapu	ram Dist, AP	
Locatuon	: A6 - Raw Mate	eral Area Grour	nd Floor		
Barometric pressure	: 705 mm of Hg				
Temperature	: Min 22.0 ⁰ C M	ax 36.0 ⁰ C			
Relative Humidity	: Min 31% Max	52%			
Issue Date	: 29.03.2024				
	we an other	Duration :	8 Hrs		
Monitoring	Lab Code	Sulphur Dioxide	Nitrogen Dioxide	Particulate	Matter
Date	Lub Couc	(SO ₂), μg/m ³	(NO ₂), μg/m ³	RPM µg/m ³	SPM µg/m ³
27.03.2024	N/24/03/5-0381	13	18	121	335
Methods of Measuremant	4 1	Improved West & Gaeke	Modified Jacob & Hochheiser	Gravimetric	Gravimetric
Ref : EPA Notification :	GSR176 (E)				
Permissible limits for Indu	ustrial Area, (Max)	SO ₂ N	O ₂ SPM	RPM	
		120 12	20 500	150	
-					
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				<u>М</u> · <i>lc</i> M.SAC Т.М	HIN RAJU =) Chemical
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	Land March Control (1997)				

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TEST REPORT

Table No. 1 g

AMBIENT AIR QUALITY

VOC TEST REPORT.

Report No :. N037824035

Project : Berger Paints India Limited, Industrial Park,

Thumakunta village, Hindupuram Mandal, Anantapuram Dist, Andhra Pradesh.

Sample Collected by : Environmental Laboratory Representaive

Date of Monitoring: 26.03.2024

Lab Code: N/24/03/5-0378

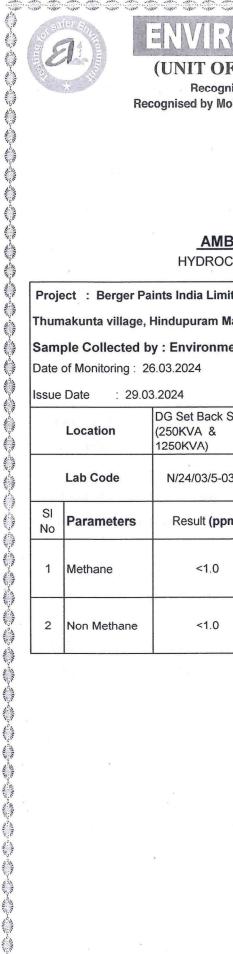
Issue Date : 29.03.2024

	Location	WB manufacturing building	Raw Material 1 st floor,	Tank yard	QC Lab
SI No	Parameters	Result µg/m ³	Result µg/m ³	Result µg/m ³	Result µg/m ³
1	Benzene	BDL	BDL	1.08	BDL
2	Toulene	BDL	BDL	BDL	0.70
3	Ethylbenzene	BDL	BDL	BDL	BDL
4	m-Xylene	BDL	BDL	BDL	BDL
Note:	BDL < 1.0 μg/m ³	till an an an	a Longing of the Longing of	 Eventserver 1 	. ,

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TEST REPORT

AMBIENT AIR QUALITY

HYDROCARBONS TEST REPORT

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Table No. 1h

Report No :N0374/0375/037624035

Project : Berger Paints India Limited, Industrial Park,

Thumakunta village, Hindupuram Mandal, Anantapuram Dist, Andhra Pradesh.

Sample Collected by : Environmental Laboratory Representaive

Date of Monitoring: 26.03.2024

Issue Date : 29.03.2024

	Location	DG Set Back Side (250KVA & 1250KVA)	Near ETP Area	Near Admin (U/G Water Tank)	Near Green Belt Area			
	Lab Code	N/24/03/5-0374	N/24/03/5-0375	N/24/03/5-0376	N/24/03/5-0377	Method of Testing		
SI No	Parameters	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	es.		
1	Methane	<1.0	<1.0	<1.0	<1.0	IS 5182 (P -19)1979 (RA 2009)		
2	Non Methane	<1.0	<1.0	<1.0	<1.0	IS 5182 (P -21)2001		

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TEST REPORT

Table No. 2 a

			Report No : N0292240 lia Limited, Industrial Park			
Sam Loc Date Date Lab	apple Collected by ation of Sampling e of sample collection e of sample receipt Code ne Date	 adupuram Mandal, Anantapuram Dist, Andhra Pradesh. Environmental Laboratory Representaive Raw Effluent water 26.03.2024 27.03.2024 N/24/03/5-0292 29.03.2024 Environmental (P) Rules, 1986 SCHEDULE I,- 01.01.20 				
SI. No.	Parameters	Result	Method of Testing			
1	рН	7.97	IS 3025 (P-11)2017			
2	Oil & Grease (mg/l), Max	<0.1	IS 3025 (P-39)1991 RA 2019			
3	Phenolic Compounds as C ₆ H ₅ OH (mg/l), Max	<0.001	IS 3025 (P-43) Sec 1			
4	Dissolved Solids (inorganic) mg/l, Max.	2472	IS 3025 (P-16)1984 RA 2017			
5	Suspended Solids (mg/l), Max	690	IS 3025 (P-16)1984 RA 2017			
6	Lead as Pb (mg/l), Max	<0.005	APHA 23rd Edition Method No 3030K			
7	Copper as Cu (mg/l), Max	<0.005	APHA 23rd Edition Method No 3030K			
8	Zinc as Zn (mg/l), Max	<0.005	APHA 23rd Edition Method No 3030K			
9	Nickel as Ni (mg/l), Max	<0.001	APHA 23rd Edition Method No 3030K			
10	Total Chromium as Cr(mg/l), Max	<0.001	APHA 23rd Edition Method No 3030K			
11	Hexavalent Chromium as Cr ⁺⁶ (mg/l), Max	<0.03	IS 3025 (P-52)			
12	COD (mg/l), Max	1510	IS 3025 (P-58) 2006 RA 2017			
13	BOD [3 days at 27 ⁰ C] (mg/l), Max	55.0	IS 3025 (P-44) 1993 RA 2019			
14	Bio-assay test	10% survival of fish after 96 hrs in 100% effluent	IS 6582:1971 RA2019			
		END OF REPORT"	en e			

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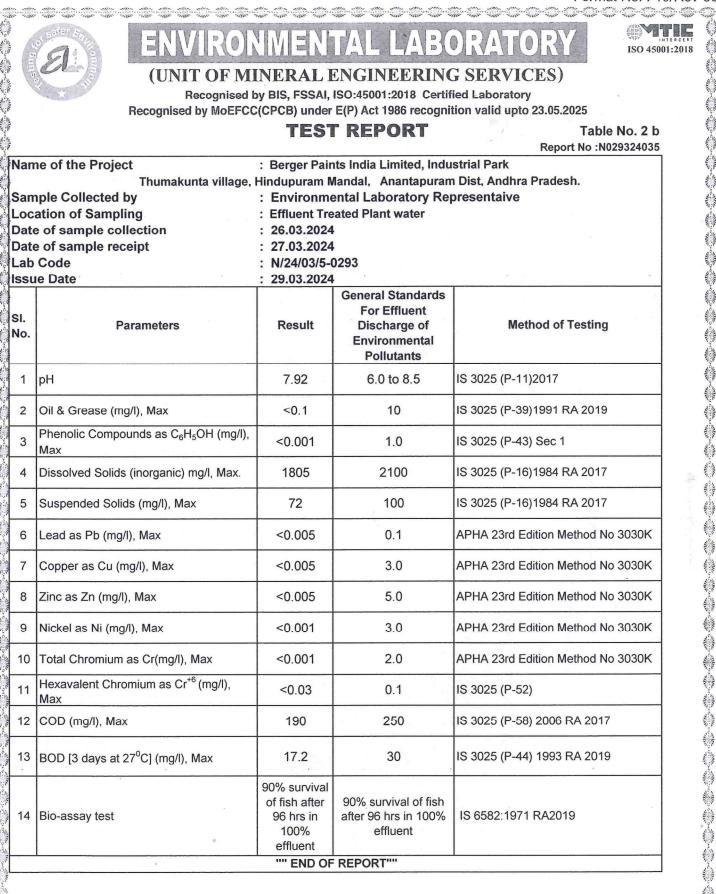
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TEST REPORT

Table No. 6

NOISE LEVEL DATA

Report No. EL01524035

Name of the Project : Berger Paints India Limited, Industrial Park,

Thumakunta village, Hindupuram Mandal, Anantapuram Dist, Andhra Pradesh.

Sample Collected by : Environmental Laboratory Representaive

Date of sample collection : 26.03.2024

Issue Date : 29.03.2024

Code	ode		Day			Nigt		
No.	Monitoring stations	L _{min}	L _{eq}	L max	L _{min}	L _{eq}	L max	
N1	WBP Manufacturing building 1 st floors	40.8	63.5	71.5	37.6	46.5	52.9	
N2	Near Gate No 1 outside	47.8	61.2	70.5	36.8	46.6	51.0	
N3	RMS Area	44.4	51.7	60.5	36.0	44.4	50.8	
N4	DG Set Area at 1mtr distance	40.0	58.0	63.0	34.3	47.2	54.0	
N5	Near Gate No 2 outside	47.8	69.0	77.1	36.5	46.5	58.0	
	Permissible Limits of Ambien	t Noise Le	vels as pe	er CPCB C	Suidelines	<u> </u>		
		Leq. Lim						
	Inductoist serves	Day	Night					
	Industrial areas Commercial area	75	70					
	Residential area	65 55	55 45					
Permis	ssible limits as per ILO Code of		40					
	protected ear - 8 hrs working shif							
	ig limit - $85 dB(A)$	1810-012-3						
	r limit - 90 dB(A)		i secia				10.41	
Worker	r not to be exposed for more than	115 dB(A))					
With ea	ar protection -							
130 dB	(A) 'Impulse' or 120 dB(A) 'Fast'							
No entr	ry when noise level exceeds 140	dB(A)						
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							HIN RAJ Chemica	
						Analyst / A		

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TEST REPORT

Table No. 8a

Stack Monitoring Report Report No : N029924035 Name of the Industry : Berger Paints India Limited,, Industrial Park, Thumakunta village, Hindupuram Mandal, Anantapur Dist., Andhra Pradesh. Stack ID : DG set 1 Sample Collected by : Environmental Laboratory Representative Date of sample Collection : 26.03.2024 Particulars of Sample : Emissions from stack collected through stack Collected sample VSS1 Date of Sample Receipt : 27.03.2024 Lab Code : N/24/03/5-0299 Issue date : 29.03.2024 **GENRAL DETAILS Fuel Used** Diesel 1 2 Capacity (KVA) 250 Stack height (M) 5 3 4 Stack diameter (M) 0.13 5 AmbientTemperature (°C) 36 150 Stack Temperature (⁰C) 6 Velocity (m/s) 18.62 7 Quanitity of flue Gas Discharged into atmosphere 8 415 (Nm³/hr) 9 Sample Condition When Received Satisfactory Vayubodhan Stack 10 Model of the Equipment used for Monitoring Sampler VSS1 338-DTH-2014 11 Serial No. of the Equipment 12 Calibration done on and due on 18.11.2024 Test Method IS: 11255 13 **Pollutional Parameters (Result)** SI.No Parameters Unit Results Limits Nox +HC 0.72 ≤ 4.0 1 2 CO g/Kw-Hr 0.70 ≤ 3.5 PM 0.12 ≤ 0.2 3

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TEST REPORT

Table No. 8b

				Table No. ob			
	<u>S</u>	tack Monitorin	ng Report	Report No : N030024035			
Name	of the Industry	: Berger Paints I	ndia Limited,,				
		Industrial Park, 1	humakunta vil	lage,			
		Hindupuram Mandal, Anantapur Dist., Andhra Pradesh.					
Stack	ID	: DG set 2					
Sampl	e Collected by	: Environmental	Laboratory Rep	presentative			
Date o	f sample Collection	: 26.03.2024		*			
Partico Collec	ulars of Sample ted	: Emissions from sample VSS1	n stack collecte	d through stack			
Date of Sample Receipt		: 27.03.2024					
Lab Co	ode	: N/24/03/5-0300					
Issue	date	: 29.03.2024					
		GENRAL DE	TAILS				
1	Fuel Used			Diesel			
2	Capacity (KVA)			1250			
3	Stack height (M)	5					
4	Stack diameter (M)		0.38				
5	AmbientTemperature (36					
6	Stack Temperature (°C	346					
7	Velocity (m/s)	18.20					
8	Quanitity of flue Gas D (Nm ³ /hr)	ischarged into atm	osphere	6505			
9	Sample Condition Whe	en Received		Satisfactory			
10	Model of the Equipme	nt used for Monitor	ring	Vayubodhan Stack Sampler VSS1			
11	Serial No. of the Equip	oment		338-DTH-2014			
12	Calibration done on ar	nd due on	-	18.11.2024			
13	Test Method		IS: 11255				
	F	ollutional Paramet	ers (Result)				
SI.No	Parameters	Unit	Results	DG Limits 0.8MW to 75MW			
1	NO _x as (NO ₂) (at 15% O ₂), Dry basis	PPMV	126.0	710			
2	NHC (as C) (at 15% O2),	mg/Nm ³	62.6	100			
3	PM (at 15% O2),	mg/Nm ³	56.2	75			
4	CO (at 15% O2),	mg/Nm ³	44.4	150			

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TEST REPORT

Table No. 8c

Stack Monitoring Report Report No : N030124035 Name of the Industry : Berger Paints India Limited,, Industrial Park, Thumakunta village, Hindupuram Mandal, Anantapur Dist., Andhra Pradesh. Stack ID : DG set 3 Sample Collected by : Environmental Laboratory Representative Date of sample Collection : 26.03.2024 Particulars of Sample : Emissions from stack collected through stack Collected sample VSS1 **Date of Sample Receipt** : 27.03.2024 Lab Code : N/24/03/5-0301 Issue date : 29.03.2024 **GENRAL DETAILS Fuel Used** Diesel 1 2 Capacity (KVA) 1250 Stack height (M) 3 5 Stack diameter (M) 0.38 4 5 AmbientTemperature (°C) 36 Stack Temperature (⁰C) 362 6 18.46 Velocity (m/s) 7 Quanitity of flue Gas Discharged into atmosphere 8 6599 (Nm³/hr) 9 Sample Condition When Received Satisfactory Vayubodhan Stack 10 Model of the Equipment used for Monitoring Sampler VSS1 Serial No. of the Equipment 11 338-DTH-2014 Calibration done on and due on 12 18.11.2024 13 Test Method IS: 11255 **Pollutional Parameters (Result) DG Limits** SI.No **Parameters** Unit Results 0.8MW to 75MW NO_x as (NO₂) (at 15% PPMV 163.0 710 1 O₂), Dry basis NHC (as C) (at 15% 2 mg/Nm³ 81.1 100 02), 3 52.5 75 PM (at 15% O2), mg/Nm³ 4 CO (at 15% O2), 45.0 150 mg/Nm³

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TEST REPORT

Table No. 10

RESULTS OF RESIPARBLE AIR-BORNE DUST SURVEY

Report No. : N037924035 Name of the Project : Berger Paints India Limited, Industrial Park, Thumakunta village, Hindupuram Mandal, Anantapuram Dist, Andhra Pradesh. Sample Collected by : Environmental Laboratory Representative Duration : 08 Hrs Instrument Used : Environtech APM 801

Calibration due date of instrument : 17.07.2024

Date of sample : 26.03.2024

Lab Code : N/24/03/5-0379

Issue date : 29.0.2024

SI.No	Date Sampling	Loaction	Name of Person	Result (mg/m ³)	Instrument Serial No
1	26.03.2024	WBP first floor	Static	1.28	199 DTH 2017
2	26.03.2024	WBP ground floor	Static	1.02	235 DTC 2019
3	26.03.2024	ASRS loading bay	Imran	1.81	197 DTH 2017
4	26.03.2024	RMS first floor	Static	0.67	196 DTH 2017
5	26.03.2024	RMS ground floor	Static	1.30	195 DTH 2017
6	26.03.2024	ETP	Static	1.96	237 DTC 2019

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Solution of the terms and conditions mentioned overleaf.

ENVIRONMENTAL MONITORING REPORT

February, 2024

PROJECT: BERGER PAINTS INDIA LIMITED,

Industrial Park, Thumakunta Village, Hindupuram Mandal, Anantapuram Dist, Andhra Pradesh

CONSULTANT

MINERAL ENGINEERING SERVICES (Accredited by QCI-NABET ORG000756) 25/XXV, Club Road, BELLARY-583103, Karnataka, Tel 08392-267421, Mob: 0919448367421, Email: mes_msraju@yahoo.co.uk mesbly25@gmail.com ENVIRONMENTAL LABORATORY Unit of Mineral Engineering Services) (Accredited by NABL &, MOEF&CC Under E(P) 1986) #948, 2nd Cross, Kammanahalli Main Road, St Thomas Town Post, Bangalore-560 084, Karnataka,



Location

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TEST REPORT

Table No. 1 a

AMBIENT AIR QUALITY

Name of the Project : Berger Paints India Limited, Industrial Park, Thumakunta village, Hindupuram Mandal,

Anantapuram Dist, Andhra Pradesh.

: A1 - DG Set Back Side (250KVA & 1250KVA)

Barometric pressure : 705 mm of Hg

Temperature : Min 17.0^oC Max 33.0^oC

Relative Humidity : Min 17% Max 58%

Duration : 24 Hrs.

Issue Date : 20.02.2024

			Concentration								
Date of Sampling	Lab Code	Sulphur Dioxide (SO₂), μg/m³	Nitrogen Dioxide (NO₂), μg/m ³	PM _{10,} (µg/m ³)	ΡΜ _{2.5,} (μg/m ³)	Ammonia (NH₃), μg/m³	Benzene (C ₆ H ₆), μg/m ³				
13.02.2024 N/24/02/4-0080		14	18	53	32	<20	<1				
Limits for Industrial ,	80	80	100	60	400	5					
Residential, Rural and other Areas		24 Hrs	24 Hrs	24 Hrs	24 Hrs	24 Hrs	Annual				

			Concentration								
Date of Sampling	Lab Code	Lead (Pb), µg/m ³	Nickel (Ni), ng/m ³	Arsenic (As), ng/m ³	Benzo(a) Pyrene (BaP), ng/m ³	Carbon Monoxide*	Ozone* (O ₃), μg/m ³				
13.02.2024	N/24/02/4-0080	0.18	<0.1	<0.5	<0.5	0.25	22				
Limits for Industrial ,		1.0	20	6	1	4	180				
Residential, Rural and other Areas		24 Hrs	Annual	Annual	Annual	1 Hr	1 Hr				
Note : * Parameters monitored for period of 1 hr											

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TEST REPORT

Table No. 1 b

AMBIENT AIR QUALITY

Name of the Project : Berger Paints India Limited, Industrial Park, Thumakunta village, Hindupuram Mandal,

Anantapuram Dist, Andhra Pradesh.

Location : A2 - Near ETP Area

Barometric pressure : 705 mm of Hg

Temperature : Min 17.0^oC Max 33.0^oC

Relative Humidity : Min 17% Max 58%

Duration : 24 Hrs.

Issue Date : 20.02.2024

			Concentration							
Date of Sampling	Lab Code	Sulphur Dioxide (SO₂), μg/m³	Nitrogen Dioxide (NO₂), 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			
13.02.2024 N/24/02/4-0081		11	13	48	25	<20	<1			
Limits for Industrial ,		80	80	100	60	400	5			
Residential, Rural and other Areas		24 Hrs	24 Hrs	24 Hrs	24 Hrs	24 Hrs	Annual			

				Concent	ration				
Date of Sampling Lab Code		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		
13.02.2024	N/24/02/4-0081	0.21	<0.1	<0.5	<0.5	0.32	25		
Limits for Industrial ,		1.0	20	6	1	4	180		
Residential, Rural and other Areas		24 Hrs	Annual	Annual	Annual	1 Hr	1 Hr		
Note : * Parameters monitored for period of 1 hr									

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TEST REPORT

Table No. 1 c

AMBIENT AIR QUALITY

Name of the Project : Berger Paints India Limited, Industrial Park, Thumakunta village, Hindupuram Mandal,

Anantapuram Dist, Andhra Pradesh.

Location : A3 - Near Admin (U/G Water Tank)

Barometric pressure :705 mm of Hg

Temperature : Min 17.0^oC Max 33.0^oC

Relative Humidity : Min 17% Max 58%

Duration : 24 Hrs.

Issue Date : 20.02.2024

			Concentration							
Date of Sampling	Lab Code	Sulphur Dioxide (SO₂), μg/m³	Nitrogen Dioxide (NO ₂), μg/m ³	PM _{10,} (µg/m ³)	ΡΜ _{2.5,} (μg/m ³)	Ammonia (NH ₃), µg/m ³	Benzene (C ₆ H ₆), μg/m ³			
13.02.2024 N/24/02/4-0082		10	11	35	21	<20	<1			
Limits for Industrial ,	80	80	100	60	400	5				
Residential, Rural and other Areas		24 Hrs	24 Hrs	24 Hrs	24 Hrs	24 Hrs	Annual			

	Lab Code			Concent	ration					
Date of Sampling		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* (O₃), μg/m³			
13.02.2024	N/24/02/4-0082	0.16	<0.1	<0.5	<0.5	0.22	23			
Limits for Industrial ,		1.0	20	6	1	4	180			
Residential, Rural and ot	24 Hrs	Annual	Annual	Annual	1 Hr	1 Hr				
Note : * Parameters n	Note : * Parameters monitored for period of 1 hr									

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TEST REPORT

Table No. 1 d

AMBIENT AIR QUALITY

Name of the Project : Berger Paints India Limited, Industrial Park, Thumakunta village, Hindupuram Mandal,

Anantapuram Dist, Andhra Pradesh.

Location : A4 - Near Green Belt Area

Barometric pressure : 705 mm of Hg

Temperature : Min 17.0^oC Max 33.0^oC

Relative Humidity : Min 17% Max 58%

Duration : 24 Hrs.

Issue Date : 20.02.2024

			Concentration							
Date of Sampling	Lab Code	Sulphur Dioxide (SO₂), μg/m³	Nitrogen Dioxide (NO₂), μg/m³	PM _{10,} (µg/m ³)	РМ _{2.5,} (µg/m ³)	Ammonia (NH₃), μg/m³	Benzene (C ₆ H ₆), μg/m ³			
13.02.2024 N/24/02/4-0083		7	9	41	27	<20	<1			
Limits for Industrial ,		80	80	100	60	400	5			
Residential, Rural and other Areas		24 Hrs	24 Hrs	24 Hrs	24 Hrs	24 Hrs	Annual			

				Concent	ration				
Date of Sampling Lab Code		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* (O₃), μg/m³		
13.02.2024	N/24/02/4-0083	0.13	<0.1	<0.5	<0.5	0.24	21		
Limits for Industrial,		1.0	20	6	1	4	180		
Residential, Rural and of	24 Hrs	Annual	Annual	Annual	1 Hr	1 Hr			
Note : * Parameters monitored for period of 1 hr									

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TEST REPORT

Table No.1 e

FUGITIVE AIR QUALITY

Project : Berger Paints India Limited, Industrial Park Thumakunta (V), Hindupuram (M), Anantapuram Dist, AP Locatuon : A5 - 1st Floor water Base **Barometric pressure** : 705 mm of Hg : Min 17.0°C Max 33.0°C Temperature : Min 17% Max 58% **Relative Humidity Issue Date** : 20.02.2024 Duration : 8 Hrs Monitoring Sulphur Nitrogen **Particulate Matter** Dioxide Dioxide Lab Code (SO₂), μg/m³ $(NO_2), \mu g/m^3$ Date RPM µg/m³ SPM µg/m³ 14.02.2024 N/24/02/4-0084 13 18 93 248 Improved West Modified Jacob & Methods of Measuremant Gravimetric Gravimetric & Gaeke Hochheiser Ref : EPA Notification :GSR176 (E) Permissible limits for Industrial Area, (Max) SO₂ NO₂ SPM RPM

120

120

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150

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TEST REPORT

Table No.1 f

FUGITIVE AIR QUALITY

Project	: Berger Paint	s India Limited,	Industrial Park,					
	Thumakunta	(V), Hindupura	m (M), Anantapu	ram Dist, AP				
Locatuon	: A6 - Raw Mat	teral Area Grou	nd Floor					
Barometric pressure	: 705 mm of Hg			x				
Temperature	: Min 17.0 ⁰ C N	lax 33.0 ⁰ C						
Relative Humidity	: Min 17% Ma	: Min 17% Max 58%						
Issue Date	: 20.02.2024							
		Duration :	8 Hrs					
Monitoring	Lab Code	Sulphur Dioxide	Nitrogen Dioxide	Particulate Matter				
Date		(SO ₂), μg/m ³	(NO ₂), μg/m ³	RPM µg/m ³	SPM µg/m ³			
14.02.2024	N/24/02/4-0085	12	15	96	256			
Methods of Measuremant		Improved West & Gaeke	Modified Jacob & Hochheiser	Gravimetric	Gravimetric			
Table and acception of the second of the								

Ref : EPA Notification :GSR176 (E)

	120	120	500	150	
Permissible limits for Industrial Area, (Max)	SO2	NO2	SPM	RPM	2

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TEST REPORT

Table No. 1 g

AMBIENT AIR QUALITY VOC TEST REPORT

Project : Berger Paints India Limited, Industrial Park,

Thumakunta village, Hindupuram Mandal, Anantapuram Dist, Andhra Pradesh.

Sample Collected by : Environmental Laboratory Representaive

Date of Monitoring: 13.02.2024

Issue Date : 20.02.2024

SI No	Parameters	WB manufacturing building floor,		Tank yard	QC Lab					
		Result µg/m ³	Result µg/m³	Result µg/m³	Result µg/m³					
1	Benzene	BDL	BDL	1.08	BDL					
2	Toulene	BDL	BDL	BDL	0.70					
3	Ethylbenzene	BDL	BDL	BDL	BDL					
4	m-Xylene	BDL	BDL	BDL	BDL					
Note:	Note: BDL < 1.0 μg/m ³									

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TEST REPORT

Table No. 1 h

AMBIENT AIR QUALITY HYDROCARBONS TEST REPORT

Project : Berger Paints India Limited, Industrial Park,

Thumakunta village, Hindupuram Mandal, Anantapuram Dist, Andhra Pradesh.

Sample Collected by : Environmental Laboratory Representaive

Date of Monitoring: 13.02.2024

Issue Date : 20.02.2024

SI	Locations	Results		
No.		Methane (ppm)	Non Methane (ppm)	
1	DG Set Back Side (250KVA & 1250KVA)	<1.0	<1.0	
2	Near ETP Area	<1.0	<1.0	
3	Near Admin (U/G Water Tank)	<1.0	<1.0	
4	Near Green Belt Area	<1.0	<1.0	
Method of Testing		IS 5182 (P -19)1979 (RA 2009)	IS 5182 (P -21)2001	

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Table No. 2 a



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TEST REPORT

			Report No. N004324023		
Name of the Project : Berger Paints India Limited, Industrial Park					
Sample Collected by Location of Sampling		upuram Mandal, Anantapuram Dist, Andhra Pradesh. : Environmental Laboratory Representaive : Raw Effluent water			
Date of sample collection Date of sample receipt Lab Code Issue Date		: 13.02.2024 : 15.02.2024 : N/24/02/3-0043 : 20.02.2024			
Ref		: Environmental (P) Rules, 1986 SCHEDULE I,- 01.01.2016			
SI. No.	Parameters	Result	Method of Testing		
1	pН	8.06	IS 3025 (P-11)2017		
2	Oil & Grease (mg/l), Max	<0.1	IS 3025 (P-39)1991 RA 2019		
3	Phenolic Compounds as C ₆ H₅OH (mg/l), Max	<0.001	IS 3025 (P-43) Sec 1		
4	Dissolved Solids (inorganic) mg/l, Max.	2400	IS 3025 (P-16)1984 RA 2017		
5	Suspended Solids (mg/l), Max	700	IS 3025 (P-16)1984 RA 2017		
6	Lead as Pb (mg/l), Max	<0.005	APHA 23rd Edition Method No 3030K		
7	Copper as Cu (mg/l), Max	<0.005	APHA 23rd Edition Method No 3030K		
8	Zinc as Zn (mg/l), Max	<0.005	APHA 23rd Edition Method No 3030K		
9	Nickel as Ni (mg/l), Max	<0.001	APHA 23rd Edition Method No 3030K		
10	Total Chromium as Cr(mg/l), Max	<0.001	APHA 23rd Edition Method No 3030K		
11	Hexavalent Chromium as Cr ⁺⁶ (mg/l), Max	<0.03	IS 3025 (P-52)		
12	COD (mg/l), Max	1470	IS 3025 (P-58) 2006 RA 2017		
13	BOD [3 days at 27ºC] (mg/l), Max	52.0	IS 3025 (P-44) 1993 RA 2019		
14	Bio-assay test	10% survival of fish after 96 hrs in 100% effluent	IS 6582:1971 RA2019		
•	"" END OF REPORT""				

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TEST REPORT

Table No. 2 b Report No. N004424023

				Report No. N004424023					
Nar	ne of the Project	-	nts India Limited, Indu						
				n Dist, Andhra Pradesh.					
	nple Collected by	: Environmental Laboratory Representaive							
	ation of Sampling	: Effluent Treated Plant water							
	e of sample collection		: 13.02.2024						
Date of sample receipt : 15.02.2024									
Lab	Code	: N/24/02/3-	0044						
Issu	Je Date	: 20.02.2024	4						
SI. No.	Parameters	Result	General Standards For Effluent Discharge of Environmental Pollutants	Method of Testing					
1	pН	7.10	6.0 to 8.5	IS 3025 (P-11)2017					
2	Oil & Grease (mg/l), Max	<0.1	10	IS 3025 (P-39)1991 RA 2019					
3	Phenolic Compounds as C ₆ H ₅ OH (mg/l), Max	<0.001	1.0	IS 3025 (P-43) Sec 1					
4	Dissolved Solids (inorganic) mg/l, Max.	1770	2100	IS 3025 (P-16)1984 RA 2017					
5	Suspended Solids (mg/l), Max	56	100	IS 3025 (P-16)1984 RA 2017					
6	Lead as Pb (mg/l), Max	<0.005	0.1	APHA 23rd Edition Method No 3030K					
7	Copper as Cu (mg/l), Max	<0.005	3.0	APHA 23rd Edition Method No 3030K					
8	Zinc as Zn (mg/l), Max	<0.005	5.0	APHA 23rd Edition Method No 3030K					
9	Nickel as Ni (mg/l), Max	<0.001	3.0	APHA 23rd Edition Method No 3030K					
10	Total Chromium as Cr(mg/l), Max	<0.001	2.0	APHA 23rd Edition Method No 3030K					
11	Hexavalent Chromium as Cr ⁺⁶ (mg/l), Max	<0.03	0.1	IS 3025 (P-52)					
12	COD (mg/l), Max	182	250	IS 3025 (P-58) 2006 RA 2017					
13	BOD [3 days at 27 ⁰ C] (mg/l), Max	13.5	30	IS 3025 (P-44) 1993 RA 2019					
14	Bio-assay test	90% survival of fish after 96 hrs in 100% effluent	90% survival of fish after 96 hrs in 100% effluent	IS 6582:1971 RA2019					
		"" END OF	REPORT''''						

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TEST REPORT

Table No. 6

NOISE LEVEL DATA

Name of the Project : Berger Paints India Limited, Industrial Park,

Thumakunta village, Hindupuram Mandal, Anantapuram Dist, Andhra Pradesh.

Sample Collected by : Environmental Laboratory Representaive

Date of sample collection : 13.02.2024

Issue Date : 20.02.2024

Code	Manifaning stations		Day							
No.	Monitoring stations	L _{min}	L _{eq}	L max	L _{min}	L _{eq}	L _{max}			
N1	WB Manufacturing building 1 st floors	40.0	65.9	70.0	39.0	49.2	53.2			
N2	Near Gate No 1 outside	43.0	61.9	68.0	40.5	50.6	55.3			
N3	RM Area	37.2	61.8	65.0	35.6	45.3	52.0			
N4	DG Set Area at 1mtr distance	40.0	58.0	63.0	36.0	44.9	51.0			
N5	Near Gate No 2 outside	38.0	62.9	66.8	36.5	47.1	55.0			
Permissible Limits of Ambient Noise Levels as per CPCB Guidelines										
		Leq. Limi								
		Day	Night							
	Industrial areas	75	70							
	Commercial area	65	55							
Dormio	Residential area	55	45							
	sible limits as per ILO Code o									
For Unp	protected ear - 8 hrs working shi	ft								
Warning	g limit – 85 dB(A)		×							
Danger	limit - 90 dB(A)									
Worker	not to be exposed for more that	n 115 dB(A)								
With ea	r protection -	÷			e e		÷.			
130 dB((A) 'Impulse' or 120 dB(A) 'Fast'	130 dB(A) 'Impulse' or 120 dB(A) 'Fast'								

No entry when noise level exceeds 140 dB(A)

Govt. Analyst / Authorised Signatory

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ENVIRONMENTAL LABORATORY

(UNIT OF MINERAL ENGINEERING SERVICES)

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TEST REPORT

Table No. 7a

				Table No. 7		
	<u>S</u>	tack Monitori	ng Report	Report No. : N00532402		
Name	of the Industry	: Berger Paints India Limited,, Industrial Park, Thumakunta village, Hindupuram Mandal, Anantapur Dist., Andhra Pradesh.				
Stack	ID	: DG set 1				
Samp	le Collected by	: Environmental	Laboratory Re	presentative		
Date o	of sample Collection	: 13.02.2024	120			
Partic Collec	ulars of Sample cted	: Emissions fror sample VSS1	n stack collecte	ed through stack		
Date o	of Sample Receipt	: 15.02.2024				
Lab C	ode	: N/24/02/3-0053				
lssue	date	: 20.02.2024				
		GENRAL DE	TAILS	·		
1	Fuel Used			Diesel		
2	Capacity (KVA)		9	250		
3	Stack height (M)			5		
4	Stack diameter (M)	0.13				
5	AmbientTemperature (33				
6	Stack Temperature (°C	175				
7	Velocity (m/s)			18.60		
8	Quanitity of flue Gas D (Nm ³ /hr)	ischarged into atn	nosphere	415		
9	Sample Condition Whe	en Received		Satisfactory		
10	Model of the Equipmer	nt used for Monito	ring	Vayubodhan Stack Sampler VSS1		
11	Serial No. of the Equip	ment		338 DTH 14		
12	Calibration done on an	d due on		Done on 19.11.2022 and Due on 18.11.2024		
13	Test Method			IS: 11255		
	P	ollutional Paramet	ters (Result)			
SI.No	Parameters	Unit	Results	Limits		
1	Nox +HC		0.61	≤ 4.0		
2	CÓ	g/Kw-Hr	0.66	≤ 3.5		
3	PM	e.	0.10	≤ 0.2		

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(UNIT OF MINERAL ENGINEERING SERVICES)

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TEST REPORT

Table No. 7b

				Table No. 7			
	5	stack Monitori	<u>ng Report</u>	Papart No N00542402			
Name	of the Industry	: Berger Paints	India Limited	Report No. : N00542402			
		Industrial Park, Thumakunta village,					
				r Dist., Andhra Pradesh.			
Stack	ID	: DG set 2					
Samp	le Collected by	: Environmental	Laboratory Re	presentative			
•	of sample Collection						
	ulars of Sample	: Emissions from sample VSS1	n stack collect	ed through stack			
	of Sample Receipt	: 15.02.2024					
Lab C Issue		: N/24/02/3-0054					
issue	date	: 20.02.2024	TAILO				
1	Fuel Used	GENRAL DE	TAILO	Discol			
2	Capacity (KVA)			Diesel			
3	Stack height (M)			1250 5			
4	Stack diameter (M)			0.38			
5	AmbientTemperature (°C)		33			
6	Stack Temperature (⁰ C			341			
7	Velocity (m/s)	1		18.12			
	Quanitity of flue Gas D	ischarged into atn	nosphere				
8	(Nm ³ /hr)	_	•	6521			
9	Sample Condition Whe	en Received		Satisfactory			
10	Model of the Equipmen		ring	Vayubodhan Stack Sampler VSS1			
11	Serial No. of the Equip	ment		338 DTH 14			
12	Calibration done on an	d due on		Done on 19.11.2022 and Due on 18.11.2024			
13	Test Method	9		IS: 11255			
	Р	ollutional Parame	ters (Result)				
SI.No	Parameters	Unit	Results	DG Limits 0.8MW to 75MW			
1	NO _x as (NO ₂) (at 15% O ₂), Dry basis	PPMV	[.] 320.0	710			
2 [,]	NHC (as C) (at 15% O2),	mg/Nm ³	59.3	100			
3	PM (at 15% O2),	mg/Nm ³	53.0	75			
4	CO (at 15% O2),	mg/Nm ³	41.2	150			

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TEST REPORT

Table No. 7c

				Table No. 70		
	S	tack Monitori	ng Report	Papart No N00552402		
Name	of the Industry	: Berger Paints	India Limited	Report No. : N00552402		
	et the muteting	Industrial Park, Thumakunta village,				
				r Dist., Andhra Pradesh.		
Stack	ID	: DG set 3	·····			
Samp	le Collected by	: Environmental	Laboratory Re	presentative		
	of sample Collection	: 13.02.2024	,			
	ulars of Sample		n stack collecte	ed through stack		
Date o	of Sample Receipt	: 15.02.2024				
Lab C	ode	: N/24/02/3-0055				
Issue	date	: 20.02.2024		e.		
R.		GENRAL DE	TAILS	A		
1	Fuel Used			Diesel		
2	Capacity (KVA)			1250		
3	Stack height (M)			5		
4	Stack diameter (M)		<i>2</i>	0.38		
5	AmbientTemperature (33				
6	Stack Temperature (°C)		354		
7	Velocity (m/s)			18.34		
8	Quanitity of flue Gas D (Nm ³ /hr)	ischarged into atn	nosphere	6600		
9	Sample Condition Whe	en Received		Satisfactory		
10	Model of the Equipmer		ring	Vayubodhan Stack Sampler VSS1		
11	Serial No. of the Equip	ment		338 DTH 14		
12	Calibration done on an	d due on		Done on 19.11.2022 and Due on 18.11.2024		
13	Test Method			IS: 11255		
	Р	ollutional Paramet	ters (Result)			
SI.No	Parameters	Unit	Results	DG Limits 0.8MW to 75MW		
1	NO _x as (NO ₂) (at 15% O ₂), Dry basis	PPMV	280.0	710		
2	NHC (as C) (at 15% O2),	mg/Nm ³	89.0	100		
3	PM (at 15% O2),	mg/Nm ³	49.0	75		
4	CO (at 15% O2),	mg/Nm ³	46.5	150		

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TEST REPORT

Table No. 7d

Report No. : N00632403

Stack Monitoring Report

				Report No N0003240			
Name	of the Industry	: Berger Paints India Limited,,					
	· .	Industrial Park, Thumakunta village,					
		Hindupuram Mar	ndal, Anantapu	r Dist., Andhra Pradesh.			
Stack	ID	: Stack of Dust	Collectors				
Samp	le Collected by	: Environmental	Laboratory Re	presentative			
Date o	of sample Collection	: 14.02.2024					
Partic Collec	ulars of Sample cted	: Emissions from sample VSS1	n stack collecte	ed through stack			
Date o	of Sample Receipt	: 15.02.2024					
Lab C	ode	: N/24/02/3-0063		8			
Issue	date	: 20.02.2024					
		GENRAL DE	TAILS				
1	Fuel Used	<i>2</i>	2	· -			
2	Barometric pressure	(mm of Hg)		705			
3	Stack diameter (M)			0.74			
4	AmbientTemperature	33					
5	Stack Temperature (⁰	48					
6	Velocity (m/sec)	13.20					
7	Quanitity of flue Gas (Nm ³ /hr)	18548					
8	Sample Condition Wh	en Received		Satisfactory			
9	Model of the Equipme	Vayubodhan Stack Sampler VSS1					
10	Serial No. of the Equi	pment		338 DTH 14			
11	Calibration done on a	nd due on	-	Done on 19.11.2022 and Due on 18.11.2024			
12	Test Method			IS: 11255			
		Pollutional Paramet	ers (Result)	1			
SI.No	Parameters		Unit	Results			
. [.] 1	Sulphur Dioxide (SO ₂)		mg/Nm3	40.8			
2	NO _x as (NO ₂)	2 5	mg/Nm3	15.2			
3	Particulate Matter (PM)		mg/Nm3	22			

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November, 2023

PROJECT: BERGER PAINTS INDIA LIMITED,

Industrial Park, Thumakunta Village, Hindupuram Mandal, Anantapuram Dist, Andhra Pradesh

CONSULTANT

MINERAL ENGINEERING SERVICES

(Accredited by QCI-NABET ORG000756) 25/XXV, Club Road, BELLARY-583103, Karnataka, Tel 08392-267421, Mob: 0919448367421,

Email : mes_msraju@yahoo.co.uk mesbly25@gmail.com

ENVIRONMENTAL LABORATORY Unit of Mineral Engineering Services)

(Accredited by NABL &, MOEF&CC Under E(P) 1986) #948, 2nd Cross, Kammanahalli Main Road, St Thomas Town Post, Bangalore-560 084, Karnataka,

R	UNIT OF N Recognis ecognised by MoEF	ed by BIS, FSSA	I, ISO:45001:201	8 Certified	Laboratory			
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			Γ AIR QUA			Та	able No. 1 a	
		AMDILN			the desired and the second and			
Name of the Project	: Berger Paints In	dia Limited, Ind	lustrial Park, Th	numakunta	village, H	lindupuram Ma	andal,	
	Anantapuram D						-	
ocation	: A1 - DG Set Bac	k Side (250KVA	& 1250KVA)					
Barometric pressure	: 705 mm of Hg							
emperature	: Min 18.0 ⁰ C Max	с 26.0 ⁰ С						
Relative Humidity	: Min 54% Max	79%						
Ouration	: 24 Hrs.							
ssue Date	: 16.11.2023							
		Sulphur	Nitrogen	Concen	[
Date of Sampling	Lab Code	Dioxide (SO ₂), µg/m ³	Dioxide (NO₂), μg/m³	ΡΜ _{10,} (µg/m ³)	ΡΜ _{2.5,} (μg/m ³)	Ammonia (NH ₃), μg/m ³	Benzene (C ₆ H ₆), μg/m ³	
06.11.2023	N/23/11/3-0028	12	14	46	22	<20	<1	
imits for Industrial ,	<u>1</u>	80	80	100	60	400	5	
esidential, Rural and othe	r Areas	24 Hrs	24 Hrs	24 Hrs	24 Hrs	24 Hrs	Annual	
		Concentration						
Date of Sampling	Lab Code	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* (O₃), μg/m³	
06.11.2023	N/23/11/3-0028	<0.1	<0.5	<0.5	<0.5	<0.2	<20	
imits for Industrial ,		1.0	20	6	1	4	180	
esidential, Rural and of		24 Hrs	Annual	Annual	Annual	1 Hr	1 Hr	
ote : * Parameters n	ionitored for period					•	·	
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	# 948, 2nd Cross,	St. Thomas Tow	n Post, Kammar	ahalli. Ban	alore - 560	084.		

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		TES	T REPOI	RT			
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		AMBIEN	<u>T AIR QUA</u>	<u>LITY</u>			
Name of the Project	: Berger Paints In	dia Limited, Ind	lustrial Park, Tl	numakunta	village, H	lindupuram Ma	andal,
	Anantapuram D)ist, Andhra Pra	desh.	-			
Location	: A2 - Near ETP A	rea					
Barometric pressure	: 705 mm of Hg						
Temperature	: Min 18.0 ⁰ C Max	c 26.0 ⁰ C					
Relative Humidity	: Min 54% Max	79%					
Duration	: 24 Hrs.						
Issue Date	: 16.11.2023						
			T	Concen	tration	T	1
Date of Sampling	Lab Code	Sulphur Dioxide (SO ₂), µg/m ³	Nitrogen Dioxide (NO ₂), µg/m ³	РМ _{10,} (µg/m ³)	ΡM _{2.5,} (μg/m ³)	Ammonia (NH ₃), μg/m ³	Benzene (C ₆ H ₆), μg/m³
06.11.2023	N/23/11/3-0029	9	12	40	20	<20	<1
Limits for Industrial ,	·	80	80	100	60	400	5
Residential, Rural and othe	er Areas	24 Hrs	24 Hrs	24 Hrs	24 Hrs	24 Hrs	Annual
· · ·	1			Concen	tration		
Date of Sampling	Lab Code	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* (O₃), μg/m³
06.11.2023	N/23/11/3-0029	0.11	<0.5	<0.5	<0.5	<0.2	21
imits for Industrial ,		1.0	20	6	1	4	180
Residential, Rural and o		24 Hrs	Annual	Annual	Annual	1 Hr	1 Hr
lote : * Parameters n	nonitored for period	d of 1 hr			<u></u>		
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Note : This report is subject to the terms and conditions mentioned overleaf.

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		TES ⁻	T REPOR	XT			
		ABADICAL		1 1777		Та	able No. 1 d
		AWDIEN	T AIR QUA				
Name of the Project	: Berger Paints In	dia Limited, Ind	lustrial Park, Th	numakunta	village, H	lindupuram Ma	andal,
	Anantapuram D)ist, Andhra Pra	desh.				
Location	: A3 - Near Admin	(U/G Water Tar	nk)				
Barometric pressure	: 705 mm of Hg						
Temperature	: Min 18.0 ⁰ C Max	c 26.0 ⁰ C					
Relative Humidity	: Min 54% Max	79%	Ĩ				
Duration	: 24 Hrs.		4				
ssue Date	: 16.11.2023						
	d _{are}	Sulphur	Nitrogen	Concen	1		
Date of Sampling	Lab Code	Dioxide (SO ₂), μg/m ³	Dioxide (NO₂), μg/m³	PM _{10,} (µg/m ³)	PM _{2.5,} (µg/m ³)	Ammonia (NH₃), μg/m³	Benzene (C ₆ H ₆), μg/m
06.11.2023	N/23/11/3-0030	* 7	9	38	. 19	<20	<1
Limits for Industrial ,		80	80	100	60	400	5
Residential, Rural and othe	er Areas	24 Hrs	24 Hrs	24 Hrs	24 Hrs	24 Hrs	Annual
	·		···· ····	Concen	T*****	1	
Date of Sampling	Lab Code	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
06.11.2023	N/23/11/3-0030	<0.1	<0.5	<0.5	<0.5	<0.2	20
imits for Industrial ,	I	1.0	20	6	1	4	180
Residential, Rural and o	ther Areas	24 Hrs	Annual	Annual	Annual	1 Hr :	1 Hr
Note : * Parameters n	nonitored for period	d of 1 hr					
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	# 948, 2nd Cross,		•	• •			<u> </u>
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		IES	I KEPUN					
						Та	able No. 1 d	
		AMBIEN	T AIR QUA	LITY				
Name of the Project	: Berger Paints In	dia Limited, Ind	lustrial Park, Th	numakunta	village, H	indupuram Ma	andal,	
	Anantapuram D	ist, Andhra Pra	desh.					
Location	: A4 - Near Green	Belt Area						
Barometric pressure	: 705 mm of Hg							
Temperature	: Min 18.0 ⁰ C Max	26.0 ⁰ C						
Relative Humidity	: Min 54% Max 7	79%						
Duration	: 24 Hrs.							
ssue Date	: 16.11.2023							
		Culmhum	Nitronon	Concen	tration			
Date of Sampling	Lab Code	Sulphur Dioxide (SO ₂), µg/m ³	Nitrogen Dioxide (NO ₂), μg/m ³	PM _{10,} (µg/m ³)	ΡΜ _{2.5,} (μg/m ³)	Ammonia (NH₃), μg/m³	Benzene (C ₆ H ₆), μg/m ³	
06.11.2023	N/23/11/3-0031	. 11	12	48	25	<20	<1	
Limits for Industrial ,	Annun	80	80	100	60	400	5	
Residential, Rural and othe	r Areas	24 Hrs	24 Hrs	24 Hrs	24 Hrs	24 Hrs	Annual	
		Concentration						
Date of Sampling	Lab Code	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* (O₃), μg/m³	
06.11.2023	N/23/11/3-0031	<0.1	<0.5	<0.5	<0.5	<0.2	24	
_imits for Industrial ,		1.0	20	6	1	4	180	
Residential, Rural and ot		24 Hrs	Annual	Annual	Annual	1 Hr	1 Hr	
Note : * Parameters m	ionitored for period	l of 1 hr						
						H'lan	inder -	
						M und	F.	

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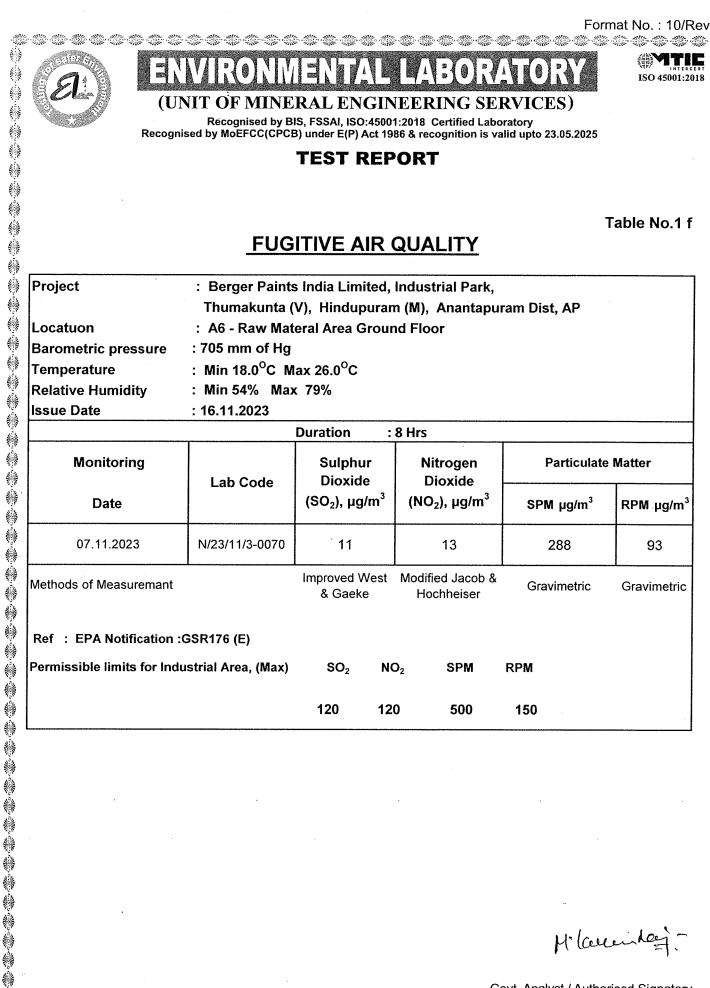
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					٦	lable No.1 e
	FUG			<u>Y</u>		
Project Locatuon	: Berger Paints Thumakunta (: A5 - 1st Floor	V), Hindupur	-	-	st, AP	
Barometric pressure Temperature Relative Humidity Issue Date	: 705 mm of Hg : Min 18.0 ^o C M : Min 54% Max : 16.11.2023					
		Duration	: 8 Hrs	·····		
Monitoring	Lab Code	Sulphur Dioxide	Nitroge Dioxide		Particulate	e Matter
Date		(SO₂), μg/m	³ (NO ₂), µg	/m ³ SP	M μg/m³	RPM µg/m ³
07.11.202	N/23/11/3-0069	12	15		245	87
Methods of Measuremant		Improved We & Gaeke	st Modified Jac Hochheis		avimetric	Gravimetric
Ref : EPA Notification :	GSR176 (E)					
Permissible limits for Indu	ıstrial Area, (Max)	SO2	NO ₂ SPN	N RPM		
		120	120 500) 150		
						•
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Note : This report is subject to the terms and conditions mentioned overleaf.

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Govt. Analyst / Authorised Signatory

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Table No. 1 g

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TEST REPORT

AMBIENT AIR QUALITY

VOC TEST REPORT

Project : Berger Paints India Limited, Industrial Park, Thumakunta village,

Hindupuram Mandal, Anantapuram Dist, Andhra Pradesh.

Sample Collected by : Environmental Laboratory Representaive

Date of Monitoring: 06.11.2023

Issue Date : 16.11.2023

		WB Raw manufacturing Material building floor		Tank yard	QC Lab	
SI No	Parameters	Result µg/m ³	floor, Result µg/m³	Result µg/m³	Result µg/m³	
1	Benzene	0.46	0.66	1.11	0.73	
2	Toulene	BDL	BDL	BDL	0.68	
3	Ethylbenzene	BDL	BDL	BDL	BDL	
4	m-Xylene	BDL	BDL	BDL	BDL	
Note:	BDL < 0.5 µg/m3	<u></u>	<u>, , , , , , , , , , , , , , , , , , , </u>	••••••••••••••••••••••••••••••••••••••		

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Govt. Analyst / Authorised Signatory

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Note : This report is subject to the terms and conditions mentioned overleaf.

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TEST REPORT

Table No. 2 a

San Loc Date Date Lab	ne of the Project nple Collected by ation of Sampling e of sample collection e of sample receipt o Code ue Date	Report No. ED013323 ²⁷ : Berger Paints India Limited, Industrial Park, Thumakunta village, Hindupuram Mandal, Anantapuram Dist, Andhra Pradesh. : Environmental Laboratory Representaive : Raw Effluent water : 07.11.2023 : 08.11.2023 : ED/23/11/2-133 : 16.11.2023 : Environmental (P) Rules, 1986 SCHEDULE I,- 01.01.2016				
SI. No.	Parameters	Result	Method of Testing			
1	рН	6.59	IS 3025 (P-11)2017			
2	Oil & Grease (mg/l), Max	<0.1	IS 3025 (P-39)1991 RA 2019			
3	Phenolic Compounds as C ₆ H ₅ OH (mg/l), Max	<0.001	IS 3025 (P-43) Sec 1			
4	Dissolved Solids (inorganic) mg/l, Max.	1930	IS 3025 (P-16)1984 RA 2017			
5	Suspended Solids (mg/l), Max	580	IS 3025 (P-16)1984 RA 2017			
6	Lead as Pb (mg/l), Max	<0.005	APHA 23rd Edition Method No 3030K			
7	Copper as Cu (mg/l), Max	<0.005	APHA 23rd Edition Method No 3030K			
8	Zinc as Zn (mg/l), Max	<0.005	APHA 23rd Edition Method No 3030K			
9	Nickel as Ni (mg/l), Max	<0.001	APHA 23rd Edition Method No 3030K			
10	Total Chromium as Cr(mg/l), Max	<0.001	APHA 23rd Edition Method No 3030K			
11	Hexavalent Chromium as Cr ⁺⁶ (mg/l), Max	<0.03	IS 3025 (P-52)			
12	COD (mg/l), Max	1238	IS 3025 (P-58) 2006 RA 2017			
13	BOD [3 days at 27 ⁰ C] (mg/l), Max	35.0	IS 3025 (P-44) 1993 RA 2019			
14	Bio-assay test	10% survival of fish after 96 hrs in 100% effluent	IS 6582:1971 RA2019			
	I	"" END OF REPORT""	L.			

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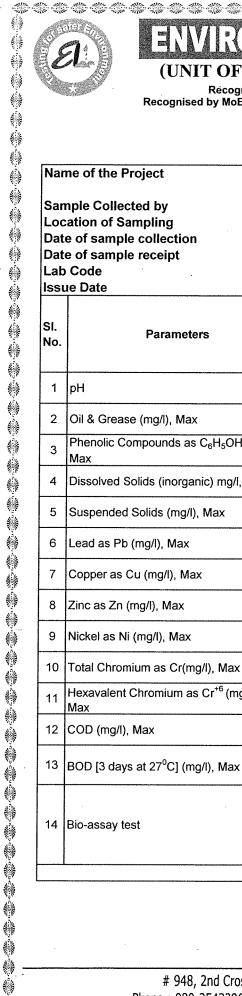
Note : This report is subject to the terms and conditions mentioned overleaf.

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ISO 45001:2018

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TEST REPORT

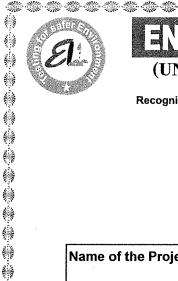
Table No. 2 b ED012422442

				Report No. ED01342311				
Nai	ne of the Project			istrial Park, Thumakunta village,				
S	nnia Callastad hu	-		ram Dist, Andhra Pradesh.				
	nple Collected by cation of Sampling	: Environmental Laboratory Representaive : Effluent Treated Plant water						
Date of sample collection Date of sample receipt		: Emuent Treated Plant water : 07.11.2023 : 08.11.2023						
Issi	ue Date	: 16.11.202						
SI. No.	Parameters	Result	General Standards For Effluent Discharge of Environmental Pollutants	Method of Testing				
1	pH	7.21	6.0 to 8.5	IS 3025 (P-11)2017				
2	Oil & Grease (mg/l), Max	<0.1	10	IS 3025 (P-39)1991 RA 2019				
3	Phenolic Compounds as C_6H_5OH (mg/l), Max	<0.001	1.0	IS 3025 (P-43) Sec 1				
4	Dissolved Solids (inorganic) mg/l, Max.	1860	2100	IS 3025 (P-16)1984 RA 2017				
5	Suspended Solids (mg/l), Max	63 ⁻	100	IS 3025 (P-16)1984 RA 2017				
6	Lead as Pb (mg/l), Max	<0.005	0.1	APHA 23rd Edition Method No 3030K				
7	Copper as Cu (mg/l), Max	<0.005	3.0	APHA 23rd Edition Method No 3030K				
8	Zinc as Zn (mg/l), Max	<0.005	5.0	APHA 23rd Edition Method No 3030K				
9	Nickel as Ni (mg/l), Max	<0.001	3.0	APHA 23rd Edition Method No 3030K				
10	Total Chromium as Cr(mg/l), Max	<0.001	2.0	APHA 23rd Edition Method No 3030K				
11	Hexavalent Chromium as Cr ⁺⁶ (mg/l), Max	<0.03	0.1	IS 3025 (P-52)				
12	COD (mg/l), Max	58	250	IS 3025 (P-58) 2006 RA 2017				
13	BOD [3 days at 27 ⁰ C] (mg/l), Max	.16.0	30	IS 3025 (P-44) 1993 RA 2019				
14	Bio-assay test	90% survival of fish after 96 hrs in 100% effluent	90% survival of fish after 96 hrs in 100% effluent	IS 6582:1971 RA2019				
		"" END OF	REPORT""					

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TEST REPORT

Table No. 6

NOISE LEVEL DATA

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

Sample Collected by : Environmental Laboratory Representaive

Date of sample collection : 06.11.2023

Issue Date : 16.11.2023

Code			Day	Nigt			
No.	Monitoring stations	L _{min}	L _{eq}	L max	L _{min}	L _{eq}	L max
N1	WB Manufacturing building 1 st floors	43.4	50.7	57.6	40.0	49.9	55.0
N2	Near Gate No 1 outside	41.0	55.2	65.0	43.0	52.5	58.0
N 3	RM Area	39.0	55.1	62.0	37.0	49.2	53.2
N4	DG Set Area	47.0	57.8	67.5	38.0	52.7	57.2
N5	Near Gate: No 2 outside	36.0	52.9	56.9	36.5	43.7	54.0
	Permissible Limits of Amb			per CPCE	3 Guidelin	ies	
		Leq. Limi					
	Industrial areas	Day 75	Night 70				
	Commercial area	65	55				
<u>Permi</u>		65 55	55 45				
	Commercial area Residential area ssible limits as per ILO Cod	65 55 le of Practi o	55 45				
For Ur	Commercial area Residential area ssible limits as per ILO Cod nprotected ear - 8 hrs working	65 55 le of Practi o	55 45				
For Ur Warni	Commercial area Residential area <u>ssible limits as per ILO Cod</u> nprotected ear - 8 hrs working ng limit - 85 dB(A)	65 55 le of Practi o	55 45				
For Ur Warnii Dange	Commercial area Residential area ssible limits as per ILO Cod nprotected ear - 8 hrs working ng limit - 85 dB(A) er limit - 90 dB(A)	65 55 Ie of Practions shift	55 45 2 e				
For Ur Warnii Dange	Commercial area Residential area <u>ssible limits as per ILO Cod</u> nprotected ear - 8 hrs working ng limit - 85 dB(A)	65 55 Ie of Practions shift	55 45 2 e				
For Ur Warnii Dange Worke	Commercial area Residential area ssible limits as per ILO Cod nprotected ear - 8 hrs working ng limit - 85 dB(A) er limit - 90 dB(A)	65 55 Ie of Practions shift	55 45 2 e				
For Ur Warnii Dange Worke With e	Commercial area Residential area ssible limits as per ILO Cod pprotected ear - 8 hrs working ng limit - 85 dB(A) er limit - 90 dB(A) er not to be exposed for more	65 55 Ie of Praction shift than 115 dE	55 45 2 e				

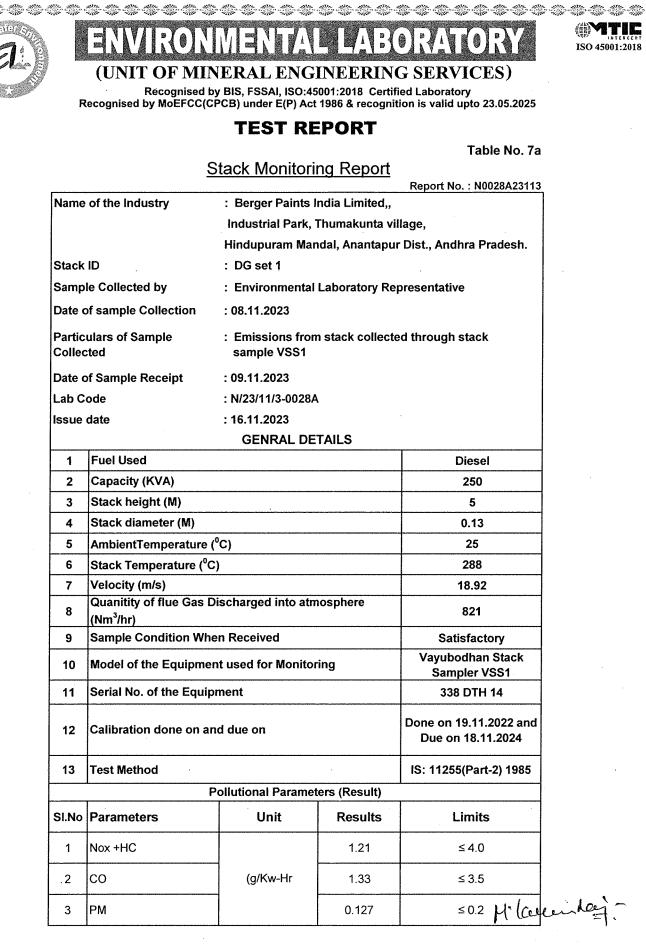
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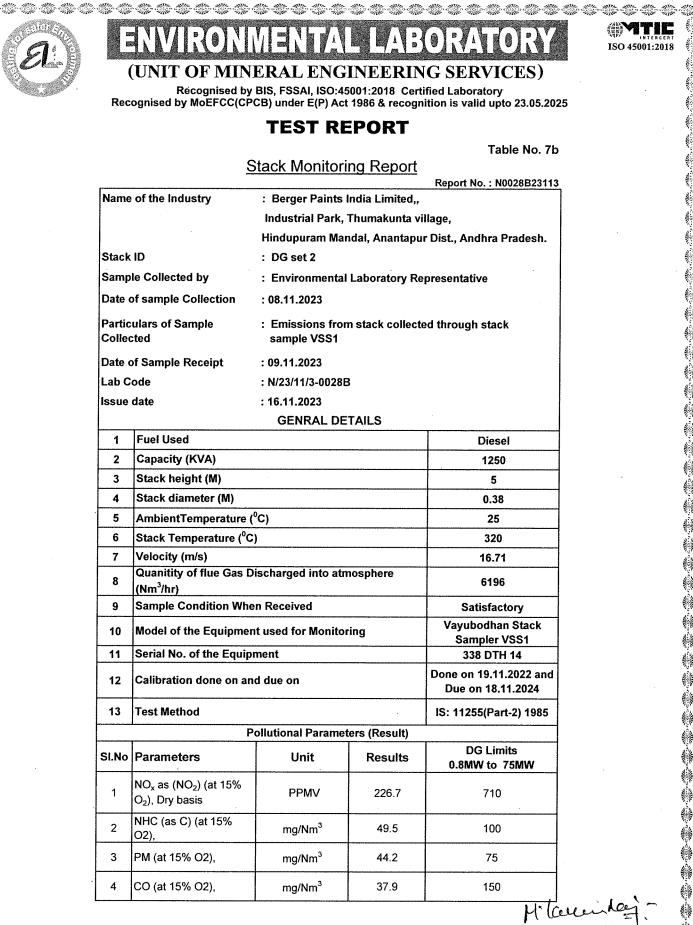
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Note : This report is subject to the terms and conditions mentioned overleaf.

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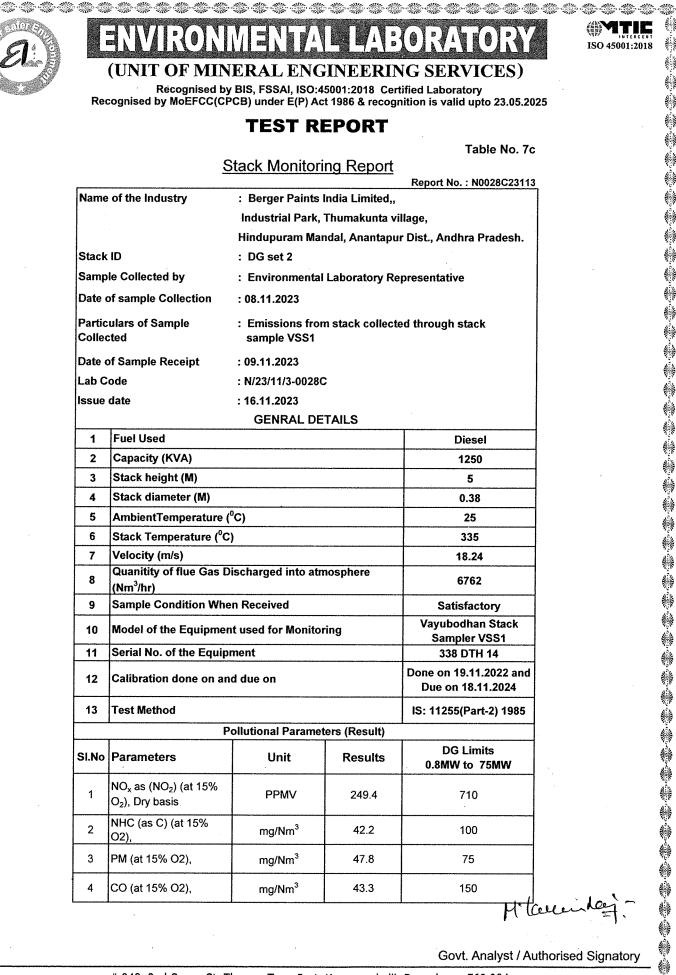
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	F	Récognised Recognised by MoEFCC(by BIS, FSSAI, ISC CPCB) under E(P)	D:45001:2018 Cert Act 1986 & recogn	ified Laboratory ition is valid upto 23.05.2025		
*			TEST I	REPORT			
1 2					Table No. 7d		
7 6			Stack Monito	oring Report			
*	Marris		. Dames Dain		Report No. : N0028D23113		
	Name	of the Industry	-	ts India Limited,, [•] k, Thumakunta v	illogo		
				-	Ir Dist., Andhra Pradesh.		
	Stack	ID	: Stack of Du	· · ·			
	Samp	le Collected by		tal Laboratory Re	epresentative		
*	1.	of sample Collection	: 07.11.2023	·····,			
		•					
	Collec	ulars of Sample cted	sample VSS		ted through stack		
	Date o	of Sample Receipt	: 09.11.2023				
;	Lab C	ode	: N/23/11/3-00	28D			
	Issue	date	: 16.11.2023				
•		• _	GENRAL	DETAILS			
)	1	Fuel Used			-		
ł	2	Barometric pressure (mm of Hg) Stack diameter (M)			705	·	
	3				0.74		
	4	AmbientTemperature		26			
	5	Stack Temperature (⁰	C)		40		
	6	Velocity (m/sec) Quanitity of flue Gas Discharged into atmosphere			12.67		
	7	(Nm ³ /hr)	as Discharged into autosphere		16953		
	8	Sample Condition Wh	nen Received		Satisfactory		
	9	Model of the Equipme	Model of the Equipment used for Monitoring				
	10	Serial No. of the Equi	pment		Sampler VSS1 338 DTH 14		
8 Sample (9 Model of 10 Serial No 11 Calibrati 12 Test Met SI.No Paramet 1 Sulphur E 2 Nitrogen 3 Particula # 948, Phone : 080-		Calibration done on a	nd due on		Done on 19.11.2022 and Due on 18.11.2024		
	12	Test Method			IS: 11255(Part-2) 1985		
			Pollutional Parar	neters (Result)			
	SI.No	Parameters		Unit	Results		
	1	Sulphur Dioxide (SO ₂)		mg/Nm3	41.2		
	2	Nitrogen Dioxide (NO ₂)		mg/Nm3	18.0		
	3	Particulate Matter (PM)	mg/Nm3	18.6		
		4			H'lau	endez.	
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