Asian Paints Limited
Plot No. 50-55,
IDA Layout, Phase II,
Patancheru-502319,
Dist. Sangareddy (TG)
T : (08455) 264399
www.asianpaints.com

Ref No: - MOEF/EC Compliance /2025/11/06 **24th Nov 2025**

To,
Inspector General of Forests (C),
Sub Office, Aranya Bhawan,
Ministry of Environment, Forests and Climate Change,
Safiabad – 500004, Hyderabad, Telangana

Reference:

1. Letter No.J-11011/990/2007 - IA II (I) Dated 23rd June 2008.
2. Letter No.J-11011/990/2007 - IA II (I) Dated 30th November 2015.

Subject: Submission of Half yearly condition wise compliance Report of Environmental clearance for the period of Apr'25 to Sep'25.

Dear Sir,

We are herewith submitting our Half - Yearly compliance report for the conditions laid down in Environmental Clearance for the period of Apr'25 to Sep'25.

We assure that we are committed to the continual improvement in all our activities towards environmental protection and management.

Request you to acknowledge the receipt of this letter.

Thanking You,

For Asian Paints Limited Ltd - Patancheru

Vagvala Harikrishna

ASIAN PAINTS LTD. PATANCHERU

Associate General Manager

Condition Wise Compliance as per Environmental Clearance issued by MoEF		
	Reference - J-11011/46/96-IA.II (I) - dated 30.04.1997	
S. No	Condition	Compliance
i.	The project authorities must adhere to the stipulations made by the State Pollution Control Board and the State Government.	Adhered to the stipulations made by the State Pollution Control Board **Annexure - I**
ii.	No further expansion or modifications in the plant should be carried out without prior approval of the Ministry of Environment and Forests.	Noted and complied
iii.	The Emissions from various units should conform to the standards prescribed by the concerned authorities from time to time. At no time, the emissions should go beyond the prescribed standards. In event of failure of any pollution control system adopted by the units, the respective unit should be put out of operation immediately and should not be restarted until the control systems are rectified to achieve the desired efficiency. Monitoring of ambient air quality and stack emissions should be carried out periodically in consultation with the State Pollution Control Board and report submitted on quarterly basis.	The AAQ and emissions are being monitored on a monthly basis. The monitored data show that the values are within the limit. Monitoring reports are being submitted to the Regional office of TGPCB. Respective unit will not be restarted in the event of failure of pollution control system till it gets rectified. **Annexure - II**

iv.	Liquid effluent generated should be treated so as to meet the following minimum standards as given under EPA Rules :- a. pH 6.0-8.5 b. Oil & Grease 10 mg/l c. Suspended Solids 100 mg/l d. BOD3 (at 270C) 50 mg/l e. Phenolics as C6H5OH 1 mg/l f. Lead as Pb 0.1mg/l g. Hexavalent Chromium 0.1 mg/l Total Chromium 2.0 mg/l h. Copper as Cu 2.0 mg/l i. Nickle as Ni 2.0 mg/l j. Zinc as Zn 5.0 mg/l k. Total heavy metal 7.0 mg/l	Analysis of Treated effluent is carried out once in a month through MOEF - CC approved Lab along with heavy metal analysis. **Annexure - III**
	The quantity and quality (including general parameters) of the treated effluent should be measured regularly and data so collected should be submitted to this Ministry once in six months. The effluent would also be required to meet any additional stipulation laid down by the State Pollution Control Board	Effluent analysis (including general parameters) is carried out on a monthly basis and the test reports are submitted to TGPCB along with the quantity of effluent generated. **Annexure - III & Anenxure - IV**
	The Waste Water should be recycled to the extent possible. Final treated effluent should be subjected to "Bio-Assay Test" (90% survival after 96 hours in 100% effluent as per TS: 6582-1971) regularly. The monitored data should be submitted to this Ministry as well the State Pollution Control Board in every six months with other reports.	Final treated effluent is subjected to "Bio-Assay Test" (90% survival after 96 hours in 100% effluent as per TS: 6582-1971) on a monthly basis through MOEF- CC approved lab. **Annexure - V**
v.	The project authorities should comply with the provisions of Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 as amended on 3rd October, 1994.	The unit is complied with MSIHC Rules.

vi.	Disposal of all hazardous wastes should be on accordance with the Hazardous Wastes (Management and Handling) Rules, 1989. Authorization for disposal of waste should be obtained from State Pollution Control Board.	Hazardous waste is disposed in accordance with HW management rules. Authorization for diposal of waste has been obtained from TGPCB. Hazardous Waste Authorization- 220822992938 Issue date: 25.06.2022, Due date: 30-06-2026 **Annexure-VI**
	A secured landfill should be developed as per the MoEF guidelines for Management and Handling of Hazardous Wastes for the accumulated as well as additional wastes to be generated by providing impervious lining including leachate collection system and sump duly approved by the State Government. The leachate containing heavy metals should be put back to ETP to achieve prescribed standards.	The Hazardous waste is stored in Leachate proof storage area and is disposed off to TGPCB authorized disposal facility.
	Steps should also be taken immediately to provide similar arrangement for disposal of solid waste from the existing operations including ETP sludge. The expansion project must be taken up only after the system is commissioned.	ETP Sludge from operation is disposed off to TGPCB Authorized Disposal facility.
vii.	Observation wells should be developed and ground water quality be monitored regularly around solid waste disposal site(s) and report submitted to this Ministry as well as the State Pollution Control Board along with other compliance reports.	Observation wells developed and the ground water quality analysis is carred out monthly by MOEF - CC approved external laboratory and the test reports are submitted to TGPCB on Monthly basis. **Annexure - VII**
viii.	Study should be carried out to fix or immobilise heavy metals present in the sludge in blocks of suitable impervious material and after leachate tests show that over 99% of the heavy metals get fixed.	Leachate test is carried out. **Annexure - VIII**

ix.	Adequate measures for control of noise should be taken so as to keep noise levels below 85 dB in the work environment.	Noted and complied **Annexure - IX**
	Persons working near the machines like blowers, compressors etc. should be provided with well designed ear muffs/ plugs. Besides measures should be taken to reduce the noise by engineering methods.	Acoustic enclosures are provided for the machines like DG Sets, blowers, compressors and also well designed ear muffs/ plugs are provided.
x.	Occupational health surveillance programme should be undertaken as a regular exercise for employees especially engaged in handling hazardous substances.	Occupational health surveillance is being carried out once in a half year to the employees and the records are being maintained as per factories act. **Annexure - X**
xi.	A green belt of adequate width & density should be raised within & outside the plant premise using native plant species.	Green belt is raised as per requirement.
xii.	A separate environmental management cell with suitably qualified personnel to carry out various functions should be set up under the control of Senior Executive who will report directly to Head of the Organization.	A separate EHS cell is formed with suitable qualified Exceutives and Manager, Manager will be reporting to the local management representative, and he reports to Associate General manager who is Head of the Plant.
xiii.	The project authority must set up laboratory facilities for collection & analysis of samples under the supervision of a competent technical personnel who will directly report to the Chief Executive.	A full fledged laboratory is set up for collection & analysis of samples. A trained Operator will carry out this activity and he will be reporting to the EHS Manager
xiv.	The funds earmarked for environmental protection measures should be kept in a separate account and should not be diverted for other purposes and year wise expenditure should be reported to this Ministry.	Reportedly adequate funds have been earmarked for environmental protection measures. These funds are not diverted for any other purpose. **Annexure - XI**

Annexures

Annexure - I	Condition Wise Compliance report - CFO
Annexure - II	Report on Ambient Air Quality
Annexure - II	Report of Emissions of various Chimneys
Annexure - III	Test reports of treated Effluent
Annexure - IV	Report on quantity of Effluent generated for the last six months
Annexure - V	Test report of treated water for Bioassay test
Annexure - VI	CFO- Hazardous waste authorization
Annexure - VII	Reports of observation well
Annexure – VIII	Leachate test report
Annexure - IX	Test report of Noise Monitoring
Annexure - X	Medical check-up reports of employees
Annexure - XI	Environmental Budget
Annexure -XII	Awareness on single use plastic

Annexure-I

Condition Wise Compliance report - CFO

Asian Paints Limited
Plot No. 50-55,
IDA Layout, Phase II,
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Dist. Sangareddy (TG)
T : (08455) 264399
www.asianpaints.com

T.G. Pollution Control Board
Regional Office-I
29 AUG 2025
SANGAREDDY TOWN & DIST.

Ref No - TGPCB: RO I – Sangareddy /HYCR/2025/8/07 29 th Aug 2025

To,

The Environmental Engineer,
Regional Office,
Telangana Pollution Control Board,
Sangareddy District.

Subject: Submission of report on

1. Condition-wise compliance report against CFO as per Point 8 of Schedule C

Dear Sir,

Please find enclosed Condition wise compliance report for the period from January 2025 to June 2025.

We assure you that we are committed to the continual improvement in all our activities towards environmental protection and management.

Request you to acknowledge on receipt of this letter.

Thanking you

For Asian Paints Ltd – Patancheru

Vagvala Harikrishna
Associate General Manager

ASIAN PAINTS LTD. PATANCHERU

T.G. POLLUTION CONTROL BOARD
29 AUG 2025
Paryavaran Bhavan

CC-HO, Sanath Nagar

HALF-YEARLY COMPLIANCE REPORT
(Jan'25 - Jun'25)

Asian Paints Limited
Patancheru Plant
Sangareddy District
Telangana State
502319

Submitted to
Telangana State Pollution Control Board
Board office & Regional office, Sangareddy

Condition-wise compliance report against CFO
(Refer to Point 8 of Schedule C)

<table>
<tr><th colspan="3">SCHEDULE-B</th></tr>
<tr><th>S.No</th><th>Condition</th><th>Status</th></tr>
<tr><td>1</td><td>Total freshwater consumption shall not exceed 350 KLD
<table>
<tr><th>S. No</th><th>Purpose</th><th>Quantity KLD</th></tr>
<tr><td>1</td><td>Process and Washings</td><td>87.0</td></tr>
<tr><td>2</td><td>Boiler Feed</td><td>83.0</td></tr>
<tr><td>3</td><td>Cooling</td><td>80.0</td></tr>
<tr><td>4</td><td>Domestic</td><td>100.0</td></tr>
<tr><td></td><td>Total</td><td>350.0 KLD</td></tr>
</table></td><td>Complied</td></tr>
<tr><td>2</td><td>During the maintenance / Breakdown of ZLD, the pre-treated effluent sent to CETP for a period of maximum 15 days in calendar year, duly meeting the following inlet standards.
<table>
<tr><th>Parameter</th><th>Limiting Standards</th></tr>
<tr><td>pH</td><td>5.5-9</td></tr>
<tr><td>Temperature</td><td>45.0</td></tr>
<tr><td>Total dissolved solids (Inorganic)</td><td>5000 mg/l</td></tr>
<tr><td>Oil and grease</td><td>20 mg/l</td></tr>
<tr><td>Phenolic compounds (as C6H5OH)</td><td>5 mg/l</td></tr>
<tr><td>Ammonical Nitrogen (as N)</td><td>50 mg/l</td></tr>
<tr><td>Cyanide (as CN)</td><td>2 mg/l</td></tr>
<tr><td>Chromium Hexavalent (as Cr+6)</td><td>2 mg/l</td></tr>
<tr><td>Chromium Total (as Cr)</td><td>2 mg/l</td></tr>
<tr><td>copper (as Cu)</td><td>3 mg/l</td></tr>
<tr><td>Lead (as Pb)</td><td>1 mg/l</td></tr>
<tr><td>Nickel (as Ni)</td><td>3 mg/l</td></tr>
<tr><td>Zinc (as Zn)</td><td>15 mg/l</td></tr>
<tr><td>Arsenic (as As)</td><td>0.2 mg/l</td></tr>
<tr><td>Mercury (as Hg)</td><td>0.01 mg/l</td></tr>
<tr><td>Cadmium (as Cd)</td><td>1 mg/l</td></tr>
<tr><td>Selenium (as Se)</td><td>0.05 mg/l</td></tr>
<tr><td>Fluoride (as F)</td><td>15 mg/l</td></tr>
<tr><td>Boron (as B)</td><td>2 mg/l</td></tr>
<tr><td>COD</td><td>15000 mg/l</td></tr>
</table></td><td>Noted, will be complied in case of any breakdown in ETP</td></tr>
</table>

<table>
<tr><th colspan="3">SCHEDULE-B</th></tr>
<tr><th>S.No</th><th>Condition</th><th>Status</th></tr>
<tr><td>3</td><td>The emissions shall not contain constituents in excess of the prescribed limits mentioned below
<table>
<tr><th>Chimney No.</th><th>Parameter</th><th>Emission Standards</th></tr>
<tr><td>1 to 5</td><td>SPM</td><td>115 mg/Nm3</td></tr>
<tr><td rowspan="13">6</td><td>Particulates</td><td>30 mg/Nm3</td></tr>
<tr><td>HCl</td><td>50 mg/Nm3</td></tr>
<tr><td>SO2</td><td>200 mg/Nm3</td></tr>
<tr><td>CO</td><td>100 mg/Nm3</td></tr>
<tr><td>Total Organic Carbon</td><td>20 mg/Nm3</td></tr>
<tr><td>HF</td><td>4 mg/Nm3</td></tr>
<tr><td>NOx (NO and N02)</td><td>400 mg/Nm3</td></tr>
<tr><td>Hydrocarbons</td><td>10 PPM</td></tr>
<tr><td>Total Dioxins and Furans</td><td>0.1 n TEQ/Nm3</td></tr>
<tr><td>Metals</td><td></td></tr>
<tr><td>Cd + Th (and Its compounds)</td><td>0.05 m /Nm3</td></tr>
<tr><td>Hg (and Its compounds)</td><td>0.05 m /Nm3</td></tr>
<tr><td>Sb + As +Pb + co + cr + cu + Mn + Ni + V (and Its compounds)</td><td>0.5 mg/Nm3</td></tr>
</table></td><td>1 to 5 – Complied, Reports available
6 – The incinerator is not under operation.</td></tr>
<tr><td>4</td><td>The industry shall not manufacture any un-consented products and exceeding capacities Without obtaining prior Consent for Establishment (CFE) and Consent for Operation (CFO) of the Board.</td><td>Complied</td></tr>
<tr><td>5</td><td>The industry shall comply With emission limits for DG sets upto 800 KW as per the Notification G.S R 520 (E), dated 01.07 2003 under the Environment (Protection) Amendment Rules, 2003 and G S R 448(E), dated 12 07 2004 under the Environment (Protection) Second Amendment Rules, 2004 In case of DG sets more than 800 KW should comply With emission limits as per the Notification G S R 489 (E), dated 09 07 2002 at serial no 96, under the Environment (Protection) Act, 1986..</td><td>Complied</td></tr>
<tr><td>6</td><td>The Industry shall comply with ambient air quality standards of PM10 (Particulate Matter size less than 10m) - 100 g/ m3, PM2.5 (Particulate Matter Size less than 2.5 pm) - 60 g/m3, S02 - 80 g/ m3, NOX, - 80 g/m3. outside the factory premises at the periphery of the industry.

Standards for other parameters as mentioned in the National Ambient Air Quality Standards CPCB Notification No B-29016/20/90/PCI-I, dated 18.11.2009.

Noise Levels Day time - (6 AM to 10 PM) - 75 dB (A)
Night time - (10 PM to 6 AM) - 70 dB (A)</td><td>Complied</td></tr>
</table>

SCHEDULE-B		
S.No	**Condition**	**Status**
7	The industry has paid CFO fee or Rs 32, 75,000/- for a period up to 30.06.2026	Complied
8	The industries either paying annual fee or total fee for Consented period, shall pay the balance fee as per the revised rates as applicable from time to time.	Noted
9	As per the directions of the Hon'ble NGT order dated 24 10 2017, the industry shall contribute corpus fund of 0.5% on annual turnover of 2016-17,2017-18, 2018-19 till complete restoration of the entire affected area and till the Tribunal passes appropriate orders Accordingly, the industry has pad an amount of Rs 2.17 crores towards 0 5% corpus fund on annual turnover for the financial year 2016-17 The industry shall contribute corpus fund contribution shall be continued till complete restoration of the entire affected area and till the Tribunal Passes appropriate orders.	Noted. Legal proceedings are in progress
10	The industry shall maintain separate water meters for recording water consumption for process, boiler feed, cooling and domestic purposes and also maintain daily records.	Complied
11	The industry shall maintain 2 stage scrubbers along with online pH monitoring system for control of process emissions They shall maintain log book for operation of scrubber for monitoring active scrubbing media.	Noted
12	The industry shall monitor VOCs in ambient air with online VOC analyze with proper range & connect the same to TSPCB server.	Complied
13	The industry shall maintain elevated platform with leachate/spillage collection Pit to store drums containing chemicals & wastes to control spillages/discharges of chemicals/effluents on ground.	Given the age of our plant, the existing storage areas are only partially compliant with the current requirements. However, we are committed to ensuring that all newly constructed areas will be fully compliant moving forward
14	The industry is permitted to send HTDS effluents to the MEE system of M/S JETL. Jeedimetla for a period of maximum 15 days In a calendar year i.e during maintenance / break down of Stripper. MEE & ATFD system and shall maintain records.	Noted, will be complied in case of any breakdown
15	The industry shall provide and operate IP Camera With PAN. Zoom, 5x or above focal length, with night vision capability, at main gate entrance & at other gates where there is movement of Solvent tankers, Chemical tankers, Hazardous Waste carrying vehicles & other material carrying vehicles Within two months These cameras shall be connected to the website of TSPCB, With minimum backup of three months.	Noted, Cameras are installed and submitted a request letter to TGPCB for the integration into portal

SCHEDULE-B		
S.No	**Condition**	**Status**
16	The industry Shall develop greenbelt as per norms.	Complied
17	The industry shall follow all the rules and regulations under the Manufacture. Storage & Import of Hazardous Chemicals Rules, 1989. framed under the Environment (Protection) Act 1986.	Complied
18	The industry shall follow all the Rules and Regulations under the Chemical Accidents (Emergency Planning, Preparedness & Response) rules, 1996. framed under the Environment (Protection) Act 1986	Complied
19	The industry shall regularly renew the PLI policy from time to time.	Complied
20	The industry shall carry out mock drills periodically as per the provisions of the Manufacture, Storage & Import of Hazardous Chemicals Rules 1989.	Complied
21	The industry shall provide piezo metric wells around ETP, greenbelt area & other areas where ever the treated effluents are used for on land applications in consultation With RO Sangareddy-I. They shall regularly monitor the ground water quantity & shall furnish consolidated reports on trend analysis of the monitoring reports to RO. Sangareddy-I for every three months and if any variations are noticed on deterioration of ground water quality, the same shall be brought to the notice of the Board immediately along with plan of action for corrective measures.	Complied
22	The industry shall provide adequate closed storage facilities above the ground with proper lining for storage of effluents before its treatment.	Noted. Applied for amendment. Considering the age of our plant, most of the existing pits were constructed below ground level. However, moving forward, we will ensure that all newly constructed pits are installed above the ground
23	The industry Shall not use effluents in cooling towers under any circumstances.	Complied
24	The Industry shall take all necessary precautions to avoid seepages outside the industry premises.	Complied
25	The industry shall not discharge any effluent on land within or outside the plant premises.	Complied

SCHEDULE-B		
S.No	**Condition**	**Status**
26	The industry shall provide storm water drain to avoid mixing of effluent/spillages with run-off water during rains.	Complied
27	The industry shall collect and store the hazardous solid waste in an elevated closed storage shed with impervious lining and leachate collection system.	Complied
28	Under no circumstances the Hazardous Waste shall be burnt in the boiler.	Complied
29	The industry shall provide sufficient storage collection tank to ensure the collection of first run off ran water. The industry shall collect contaminated rainwater and shall dispose the same to the CETP after confirming to the Influent standards of CETP or treat within the premises, duly maintaining separate records.	Complied
30	The industry shall provide arrangement to by-pass the rainwater collection tank of first run off ran water for subsequent water flow.	Complied
31	The industry shall take measures to prevent the seepages such as cement concrete flooring With proper collection system to collect contaminants / spillages in the relevant areas In the industry premises.	Complied
32	The industry shall ensure that the Port hole and ladder facility for the Stacks is safe to carry out Stack monitoring in place of monkey ladder, spiral type/scaffold ladder shall be provided to ensure safety of monitoring personnel within a period of two months.	Complied
33	The industry shall maintain records on source of starting raw material / Intermediates for each product-wise and the consolidated records shall be submitted to RO. Sangareddy - I every month along with invoice copes of the starting raw materials outsourced.	Applied for amendment. Sourcing is done strategically at the company level from the corporate office for all the products manufactured by company. Hence starting sources for the different raw materials for varied categories of end products manufactured at the plant level would not be available
34	The industry shall maintain separate energy meters for recording energy consumption for air pollution control equipment and maintain record for daily energy consumption.	Complied
35	The industry shall operate Solvent Recovery Plant within plant premises Solvents shall be recovered to the maximum extent possible and shall be reused. The industry shall submit status of efficiency of Solvent Recovery Plant to the concerned Regional Officer. The industry shall not dispose spent solvents / mixed spent solvents to the traders/ recyclers.	Complied

SCHEDULE-B		
S.No	**Condition**	**Status**
36	(A)The industry shall maintain the following records and the same shall be made available to the Board Officials during the inspection. 1. Daily production details 2. Quantity of Effluents generated and reused 3. Logbooks for pollution control systems 4. Daily solid waste generated and disposed (B) The industry shall submit consolidated statement of the above on monthly basis to the Concerned Regional Office.	Complied
37	The industry shall implement the odour control measures at source of generation and from ETP and shall ensure to maintain the same effectively to control odour problems.	Complied
38	The industry shall ensure that there shall not be any change in process technology and scope of working without prior approval from the Board.	Noted
39	As per G O Rt No 286, the industry shall transport the industrial effluents and plying on the roads is allowed between 6 AM to 6 P M only.	Complied
40	The industry shall maintain concreted internal roads by cleaning regularly to avoid fugitive emissions due to vehicular movement.	Complied
41	The industry shall comply With Task Force directions issued by the Board from time to time.	Noted and will be complied
42	The applicant shall submit Environment Statement in Form V to the Regional office before 30th September of every year as per Rule No 14 of E(P) Rules. 1986 & amendments thereof.	Complied
43	The conditions stipulated in this order are without any prejudice to rights and contentions of this Board in any Hon'ble court of Law.	Noted

SCHEDULE-C		
S.No	**Condition**	**Status**
1	The Industry shall give top priority for waste minimization and cleaner production practices.	Complied
2	The Industry shall not store hazardous waste and for more than 90 Movement) days as per the Hazardous and other Wastes (Management Handling and Transboundary Movement) Rules 2016 amendments thereof. The Industry shall maintain 6 copy manifest system for transportation of waste generated and copes of receipt of Consignee shall be submitted to the Concerned Regional office, The industry shall maintain proper records for Hazardous Wastes stated in Authorization in FORM-3 i e , quantity of Incinerable waste, land disposal waste, recyclable waste etc. and file annual returns in Form- 4 as per Rule 20(2) of the Hazardous and other Wastes (Management, Handling & Transboundary Movement) Rules, 2016 and amendments thereof.	Complied
3	The industry shall dispose / sell the Hazardous Waste to only industries/agencies authorized by the State Pollution Control Boards. The industry shall verify the authorization of the Board given to the Party before disposing its waste to the External Party.	Complied
4	The industry shall maintain proper records for Hazardous Wastes disposal and its concurrence with authorization. In case of variation in generation, industry shall submit explanation and obtain amendment in Environmental Clearance/ CFE/CFO in this regard.	Complied
5	The industry shall store Used / Waste Oil and Used Lead Acid Batteries in a secured way in their premises till its disposal. Waste Oils shall be disposed to the authorized Reprocessors/ Recyclers and used Lead Acid Batteries shall be disposed to the manufacturers / dealers on buyback basis, the industry shall take necessary practical steps for prevention of oil spillages and carryover of oil from the premises. The industry shall check the Certificate/ Authorization/order of MoEF issued to the Re-user/Recycle units while disposing the waste oil.	Complied
6	The industry shall dispose of e-waste to the authorized recyclers/ dismantlers only.	Complied
7	The industry shall maintain good housekeeping..	Complied
8	The industry shall submit the condition wise compliance report of the conditions stipulated in Schedule B & C of this Order on half yearly basis to Board Office, Hyderabad and concerned Regional Office	Complied

Enclosed are the following

Test reports of Emissions from various chimneys	Annexure I
Test reports of treated water	Annexure II
Test reports on Ambient Air Quality	Annexure III
Test reports of Noise Monitoring	Annexure IV
Waste Minimization measures	Annexure V
Report on mock drill	Annexure VI

ANNEXURE – I
Test reports of Emissions of various chimneys

Vimta Labs Limited
Registered Office
142, IDA Phase II, Cherlapally
Hyderabad-500 051,Telangana, India
T : +91 40 2726 4141
F . +91 40 2726 3657

Vimta
Driven by Quality. Inspired by Science.

ISSUED TO:
M/s. ASIAN PAINTS LIMITED
PLOT NO-50-55, IDA
PATANCHERU,
SANGA REDDY DISTRICT
T.S. INDIA

Report Number : VLL/VLS/24/19599/DG/01
Issue Date : 2025.02.04
P.O. Number : 15387751
P.O. Date : 2024.04 12

Sample Particulars: **SOURCE EMISSION MONITORING FOR DG SETS**

Samples Registered : 2025.01.31 Sampling date on : 2025.01.27
Analysis started on : 2025.01.31 Analysis Completed on : 2025.02.04
Test Required : Oxygen, Carbon Dioxide, Carbon Monoxide, Hydrocarbon and Noise
Samples Collected by Vimta Labs Limited. LAB REF.: EC:

TEST REPORT

Sl. No.	PARAMETERS	UOM	METHOD OF TESTING	DG P-506 A	DG P-506 B	DG P-507 A	DG P-507 B	DG P-508 A	DG P-508 B
1	Duct diameter	m	-	0.2032	0.2032	0.2032	0.2032	0.2032	0.2032
2	Area of the Duct.	m^2	-	0.0324	0.0324	0.0324	0.0324	0.0324	0.0324
3	Flue gas Temp.	^0C	IS: 11255(P-1) 1985	126	124	131	128	126	123
4	Velocity of the Flue gas	m/Sec	IS: 11255(P-1) 1985;	8.4	8.1	9.5	8.1	7.6	7.1
5	Gas Flow rate	Nm^3/hr	IS: 11255(P-1) 1985;	724	718	811	799	652	632
6	Oxygen	%	Flue Gas Analyzer	7.6	7.9	7.9	7.4	7.1	7.0
7	Carbon Dioxide	%	Flue Gas Analyzer	8.0	7.8	7.4	7.1	7.9	7.3
8	Carbon Monoxide	mg/ Nm	Flue Gas Analyzer	20.11	18.45	21.02	19.54	20.04	18.65
9	Carbon Monoxide	g/kw-hr	Flue Gas Analyzer	0.012	0.009	0.013	0.011	0.012	0.010
10	Hydrocarbon	mg Nm^3	Flue Gas Analyzer	21.32	18.78	19.89	16.54	21.07	17.99
11	Hydrocarbon	g/kw-hr	Flue Gas Analyzer	0.013	0.010	0.012	0.009	0.013	0.008
12	Noise	dB(A)	-	40.1	38.9	38.7	35.8	34.5	36.96

Instrument Used for SO_2, NOx - Flue Gas Analyzer (Make –MRU, Model –Optima 7)
Date of Calibration: 18.09.2024, Calibration Due: 17.09.2025
All the values are corrected to 15% O_2
Minimum Detectable Limit of for SO_2 – 3.4 mg/Nm^3
Stack Kit Make – Polltech, Model –SMK 10B sr.no.-2616
Date of Calibration: 16.09.2024, Calibration Due: 15.09.2025

Dr. Subba Reddy Mallampati
Manager-Environment.

Vimta Labs Limited
Registered Office
142, IDA Phase II, Cherlapally
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M/s. ASIAN PAINTS LIMITED
PLOT NO-50-55, IDA
PATANCHERU,
SANGA REDDY DISTRICT
T.S. INDIA

Report Number : VLL/VLS/24/19599/DG/01
Issue Date : 2025.02.04
P.O. Number : 15387751
P.O. Date : 2024.04.12

Sample Particulars: **SOURCE EMISSION MONITORING FOR DG SETS**

Samples Registered	:	2025.01.31	Sampling date on	:	2025.01.27
Analysis started on	:	2025.01.31	Analysis Completed on	:	2025.02.04
Test Required	:	Particulate Matter, Sulphur Dioxide, Oxides of Nitrogen and Carbon			

Samples Collected by Vimta Labs Limited. LAB REF.: EC;

TEST REPORT

Sl. No.	PARAMETERS	UOM	METHOD OF TESTING	DG P-506 A	DG P-506 B	DG P-507 A	DG P-507 B	DG P-508 A	DG P-508 B
1	Duct diameter	m	-	0.2032	0.2032	0.2032	0.2032	0.2032	0.2032
2	Area of the Duct.	m^2	-	0.0324	0.0324	0.0324	0.0324	0.0324	0.0324
3	Flue gas Temp.	°C	IS: 11255(P-1) 1985;ASTM D-3685	126	124	131	128	126	123
4	Velocity of the Flue gas	m/Sec	IS: 11255(P-1) 1985;ASTM D-3685	8.4	8.1	9.5	9.1	7.6	7.1
5	Gas Flow rate	Nm /hr	IS: 11255(P-1) 1985;ASTM D-3685	724	718	811	799	652	632
6	Particulate matter	mg/Nm	IS: 11255(P-1) 1985;ASTM D-3685	20.54	17.66	18.98	15.74	17.43	14.63
7	Particulate matter	g/kw-hr	IS: 11255(P-1) 1985;ASTM D-3685	0.012	0.008	0.012	0.009	0.011	0.013
8	Sulphur dioxide	mg/Nm³	IS: 11255 (P-II) 1985	27.6	25.7	26.4	22.6	23.7	21.9
9	Oxides of nitrogen	mg/Nm³	ASTMD-1608 /EPA – 7	21.89	18.65	22.52	20.77	20.69	23.31
10	Oxides of nitrogen	g/kw-hr	ASTMD-1608 /EPA – 7	0.013	0.008	0.014	0.012	0.013	0.015

Instrument Used for SO_2, NOx - Flue Gas Analyzer (Make –MRU, Model –Optima 7)
Date of Calibration: 18.09.2024, Calibration Due: 17.09.2025
All the values are corrected to 15% O_2
Minimum Detectable Limit of for SO_2 – 3.4 mg/Nm^3
Stack Kit Make – Polltech, Model –SMK 10B Sr.no.-2816
Date of Calibration : 16.09.2024, Calibration Due: 15.09.2025

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PATANCHERU,
SANGA REDDY DISTRICT
T.S. INDIA

Report Number : VLL/VLS/24/22926/DG/01
Issue Date : 2025.03.04
P.O. Number : 15387751
P.O. Date : 2024.04.12

Sample Particulars: **SOURCE EMISSION MONITORING FOR DG SETS**

Samples Registered : 2025.02.20
Sampling date on : 2025.02.12
Analysis started on : 2025.02.20
Analysis Completed on : 2025.03.04
Test Required : Oxygen, Carbon Dioxide, Carbon Monoxide, Hydrocarbon and Noise
Samples Collected by Vimta Labs Limited.
LAB REF.: EC;

TEST REPORT

Sl. No.	PARAMETERS	UOM	METHOD OF TESTING	DG P-506 A	DG P-506 B	DG P-507 A	DG P-507 B	DG P-508 A	DG P-508 B
1	Duct diameter	m	-	0.2032	0.2032	0.2032	0.2032	0.2032	0.2032
2	Area of the Duct.	m	-	0.0324	0.0324	0.0324	0.0324	0.0324	0.0324
3	Flue gas Temp.	^{0}C	IS: 11255(P-1) 1985	129	128	134	131	128	125
4	Velocity of the Flue gas	m/Sec	IS: 11255(P-1) 1985;	8.9	8.5	10.0	9.6	8.8	8.1
5	Gas Flow rate	Nm^3/hr	IS: 11255(P-1) 1985;	763	751	843	821	752	723
6	Oxygen	%	Flue Gas Analyzer	7.9	7.6	8.3	8.1	7.6	7.8
7	Carbon Dioxide	%	Flue Gas Analyzer	8.4	7.9	8.1	7.9	8.3	7.8
8	Carbon Monoxide	mg/ Nm^3	Flue Gas Analyzer	23.36	18.45	24.89	19.54	23.12	18.65
9	Carbon Monoxide	g/kw-hr	Flue Gas Analyzer	0.014	0.009	0.015	0.011	0.014	0.010
10	Hydrocarbon	mg/ Nm^3	Flue Gas Analyzer	24.12	22.87	22.96	20.77	23.99	21.87
11	Hydrocarbon	g/kw-hr	Flue Gas Analyzer	0.014	0.012	0.015	0.013	0.015	0.013
12	Noise	dB(A)	-	42.4	40.6	41.9	38.8	39.2	40.7

Instrument Used for SO_2, NOx - Flue Gas Analyzer (Make –MRU, Model –Optima 7)
Date of Calibration: 18.09.2024, Calibration Due: 17.09.2025
All the values are corrected to 15% O_2
Minimum Detectable Limit of for SO_2 – 3.4 mg/Nm^3
Stack Kit Make – Palltech, Model –SMK 108 sr.no.-2616
Date of Calibration: 16.09.2024, Calibration Due: 15.09.2025

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T.S. INDIA

Report Number : VLL/VLS/24/22926/DG/01
Issue Date : 2025.03.04
P.O. Number : 15387751
P.O. Date : 2024.04.12

Sample Particulars: **SOURCE EMISSION MONITORING FOR DG SETS**

Samples Registered : 2025.02.20 Sampling date on : 2025.02.12
Analysis started on : 2025.02.20 Analysis Completed on : 2025.03.04
Test Required : Particulate Matter, Sulphur Dioxide, Oxides of Nitrogen and Carbon
Samples Collected by Vimta Labs Limited. LAB REF.: EC;

TEST REPORT

Sl No.	PARAMETERS	UOM	METHOD OF TESTING	DG P-506 A	DG P-506 B	DG P-507 A	DG P-507 B	DG P-508 A	DG P-508 B
1	Duct diameter	m	-	0.2032	0.2032	0.2032	0.2032	0.2032	0.2032
2	Area of the Duct	m^2	-	0.0324	0.0324	0.0324	0.0324	0.0324	0.0324
3	Flue gas Temp.	°C	IS: 11255(P-1) 1985;ASTM D-3685	129	126	134	131	128	125
4	Velocity of the Flue gas	m/Sec	IS: 11255(P-1) 1985;ASTM D-3685	8.9	8.5	10.0	9.6	8.8	8.1
5	Gas Flow rate	Nm^3/hr	IS: 11255(P-1) 1985;ASTM D-3685	763	751	843	821	752	723
6	Particulate matter	mg/Nm^3	IS: 11255(P-1) 1985;ASTM D-3685	22.41	19.88	21.03	18.72	19.09	17.53
7	Particulate matter	g/kw-hr	IS: 11255(P-1) 1985;ASTM D-3685	0.011	0.011	0.013	0.012	0.012	0.010
8	Sulphur dioxide	mg/Nm^3	IS: 11255 (P-II) 1985	24.5	24.5	25.9	24.1	23.9	23.5
9	Oxides of nitrogen	mg/Nm	ASTMD-1608 /EPA – 7	22.84	20.11	24.77	21.14	21.88	19.89
10	Oxides of nitrogen	g/kw-hr	ASTMD-1608 /EPA – 7	0.013	0.011	0.015	0.013	0.014	0.011

Instrument Used for SO_2, NOx - Flue Gas Analyzer (Make –MRU, Model –Optima 7)
Date of Calibration: 18.09.2024, Calibration Due: 17.09.2025
All the values are corrected to 15% O_2
Minimum Detectable Limit of for SO_2 – 3.4 mg/Nm^3
Stack Kit Make – Polltech, Model –SMK 10B Sr.no.-2616
Date of Calibration : 16.09.2024, Calibration Due: 15.09.2025

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Report Number : VLL/VLS/24/24799/DG/01
Issue Date : 2025.04.03
P.O. Number : 15387751
P.O. Date : 2024.04.12

Sample Particulars: **SOURCE EMISSION MONITORING FOR DG SETS**

Samples Registered : 2025.03.28 Sampling date on : 2025.03.21
Analysis started on : 2025.03.28 Analysis Completed on : 2025.04.02
Test Required : Oxygen, Carbon Dioxide, Carbon Monoxide, Hydrocarbon and Noise
Samples Collected by Vimta Labs Limited. LAB REF.: EC;

TEST REPORT

SL No.	PARAMETERS	UOM	METHOD OF TESTING	DG P-506 A	DG P-506 B	DG P-507 A	DG P-507 B	DG P-508 A	DG P-508 B
1	Duct diameter	m	-	0.2032	0.2032	0.2032	0.2032	0.2032	0.2032
2	Area of the Duct.	m^2	-	0.0324	0.0324	0.0324	0.0324	0.0324	0.0324
3	Flue gas Temp.	^0C	IS: 11255(P-1) 1985	121	124	128	131	122	120
4	Velocity of the Flue gas	m/Sec	IS: 11255(P-1) 1985;	8.0	8.2	8.3	9.1	8.5	8.4
5	Gas Flow rate	Nm^3/hr	IS: 11255(P-1) 1985;	701	738	713	789	739	725
6	Oxygen	%	Flue Gas Analyzer	7.4	7.5	8.0	8.2	7.9	7.9
7	Carbon Dioxide	%	Flue Gas Analyzer	8.0	7.8	7.6	7.6	8.1	7.4
8	Carbon Monoxide	mg/Nm^3	Flue Gas Analyzer	20.54	19.23	21.77	18.11	20.87	17.01
9	Carbon Monoxide	g/kw-hr	Flue Gas Analyzer	0.012	0.011	0.013	0.010	0.013	0.009
10	Hydrocarbon	mg/Nm^3	Flue Gas Analyzer	22.33	20.22	20.11	17.21	20.44	16.82
11	Hydrocarbon	g/kw hr	Flue Gas Analyzer	0.013	0.011	0.012	0.009	0.013	0.009
12	Noise	dB(A)	-	40.5	41.6	43.2	40.6	41.9	42.6

Instrument Used for SO_2, NOx - Flue Gas Analyzer (Make –MRU, Model –Optima 7)
Date of Calibration: 18.09.2024, Calibration Due: 17.09.2025
All the values are corrected to 15% O_2
Minimum Detectable Limit of for SO_2 – 3.4 mg/Nm^3
Stack Kit Make – Polltech, Model –SMK 10B sr.no.-2616
Date of Calibration: 16.09.2024, Calibration Due: 15.09.2025

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T.S. INDIA

Report Number : VLL/VLS/24/24799/DG/01
Issue Date : 2025.04.03
P.O. Number : 15387751
P.O. Date : 2024.04.12

Sample Particulars: **SOURCE EMISSION MONITORING FOR DG SETS**

Samples Registered : 2025.03.28 Sampling date on : 2025.03.21
Analysis started on : 2025.03.28 Analysis Completed on : 2025.04.02
Test Required : Particulate Matter, Sulphur Dioxide, Oxides of Nitrogen and Carbon
Samples Collected by Vimta Labs Limited. LAB REF.: EC;

TEST REPORT

Sl. No.	PARAMETERS	UOM	METHOD OF TESTING	DG P-506 A	DG P-506 B	DG P-507 A	DG P-507 B	DG P-508 A	DG P-508 B
1	Duct diameter	m	-	0.2032	0.2032	0.2032	0.2032	0.2032	0.2032
2	Area of the Duct.	m^2	-	0.0324	0.0324	0.0324	0.0324	0.0324	0.0324
3	Flue gas Temp.	°C	IS: 11255(P-1) 1985;ASTM D-3685	121	124	128	131	122	120
4	Velocity of the Flue gas	m/Sec	IS: 11255(P-1) 1985;ASTM D-3685	8.0	8.2	8.3	9.1	8.5	8.4
5	Gas Flow rate	Nm^3/hr	IS: 11255(P-1) 1985;ASTM D-3685	701	739	713	789	739	725
6	Particulate matter	mg/Nm^3	IS: 11255(P-1) 1985;ASTM D-3685	22.44	19.88	21.33	18.75	19.89	17.54
7	Particulate matter	g/kw-hr	IS: 11255(P-1) 1985;ASTM D-3685	0.013	0.011	0.013	0.010	0.012	0.010
8	Sulphur dioxide	mg Nm	IS: 11255 (P-II) 1985	24.3	24.5	25.9	24.1	23.9	23.5
9	Oxides of nitrogen	mg/Nm^3	ASTMD-1608 /EPA – 7	22.84	21.11	24.77	21.14	22.88	19.89
10	Oxides of nitrogen	g/kw-hr	ASTMD-1608 /EPA – 7	0.013	0.011	0.015	0.010	0.014	0.011

Instrument Used for SO_2, NOx - Flue Gas Analyzer (Make –MRU, Model –Optima 7)
Date of Calibration: 18.09.2024, Calibration Due: 17.09.2025
All the values are corrected to 15% O_2
Minimum Detectable Limit of for SO_2 – 3.4 mg/Nm^3
Stack Kit Make – Polltech, Model –SMK 10B Sr.no.-2816
Date of Calibration : 16.09.2024, Calibration Due: 15.09.2025

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T.S. INDIA.

Report Number : VLL/VLS/25/1900/DG/01
Issue Date : 2025.05.05
P.O. Number : 15413752
P.O. Date : 2025.03.31

Sample Particulars: **SOURCE EMISSION MONITORING FOR DG SETS**

Samples Registered : 2025.05.02
Sampling date on : 2025.04.28
Analysis started on : 2025.05.02
Analysis Completed on : 2025.05.05
Test Required : Oxygen, Carbon Dioxide, Carbon Monoxide, Hydrocarbon and Noise
Samples Collected by Vimta Labs Limited.
LAB REF.: EC;

TEST REPORT

Sl. No.	PARAMETERS	UOM	METHOD OF TESTING	DG P-506 A	DG P-506 B	DG P-507 A	DG P-507 B	DG P-508 A	DG P-508 B
1	Duct diameter	m	-	0.2032	0.2032	0.2032	0.2032	0.2032	0.2032
2	Area of the Duct.	m^2	-	0.0324	0.0324	0.0324	0.0324	0.0324	0.0324
3	Flue gas Temp.	^0C	IS: 11255(P-1) 1985	129	127	133	130	129	131
4	Velocity of the Flue gas	m/Sec	IS: 11255(P-1) 1985;	8.5	8.3	9.1	8.9	9.4	8.8
5	Gas Flow rate	Nm^3/hr	IS: 11255(P-1) 1985;	727	718	789	752	805	749
6	Oxygen	%	Flue Gas Analyzer	7.9	7.8	8.4	8.3	8.5	8.4
7	Carbon Dioxide	%	Flue Gas Analyzer	8.3	7.6	7.9	8.1	8.8	7.9
8	Carbon Monoxide	mg/Nm^3	Flue Gas Analyzer	22.54	20.54	23.39	21.24	22.41	20.43
9	Carbon Monoxide	g/kw-hr	Flue Gas Analyzer	0.013	0.011	0.014	0.012	0.014	0.012
10	Hydrocarbon	mg/Nm^3	Flue Gas Analyzer	21.65	18.32	23.32	21.03	24.43	21.65
11	Hydrocarbon	g/kw-hr	Flue Gas Analyzer	0.013	0.010	0.014	0.012	0.015	0.013
12	Noise	dB(A)	-	41.8	42.4	44.7	45.6	46.8	48.4

Instrument Used for SO_2, NOx - Flue Gas Analyzer (Make –MRU, Model –Optima 7)
Date of Calibration: 16.09.2024, Calibration Due: 17.09.2025
All the values are corrected to 15% O_2
Minimum Detectable Limit of for SO_2 - 3.4 mg/m^3
Stack Kit Make – Polltech, Model –SMK 10B sr.no.-2616
Date of Calibration: 16.09.2024, Calibration Due: 15.09.2025

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T.S. INDIA

Report Number : VLL/VLS/25/1900/DG/01
Issue Date : 2025.05.05
P.O. Number : 15413752
P.O. Date : 2025.03.31

Sample Particulars: **SOURCE EMISSION MONITORING FOR DG SETS**

Samples Registered : 2025.05.02 Sampling date on : 2025.04.28
Analysis started on : 2025.05.02 Analysis Completed on : 2025.05.05
Test Required : Particulate Matter, Sulphur Dioxide, Oxides of Nitrogen and Carbon
Samples Collected by Vimta Labs Limited. LAB REF.: EC:

TEST REPORT

Sl. No.	PARAMETERS	UOM	METHOD OF TESTING	DG P-506 A	DG P-506 B	DG P-507 A	DG P-507 B	DG P-508 A	DG P-508 B
1	Duct diameter	m	-	0.2032	0.2032	0.2032	0.2032	0.2032	0.2032
2	Area of the Duct.	m^2	-	0.0324	0.0324	0.0324	0.0324	0.0324	0.0324
3	Flue gas Temp.	°C	IS: 11255(P-1) 1985;ASTM D-3685	129	127	133	130	129	131
4	Velocity of the Flue gas	m/Sec	IS: 11255(P-1) 1985;ASTM D-3685	8.5	8.3	9.1	8.9	9.4	8.8
5	Gas Flow rate	Nm^3/hr	IS: 11255(P-1) 1985;ASTM D-3685	727	718	769	752	805	749
6	Particulate matter	mg/Nm^3	IS: 11255(P-1) 1985;ASTM D-3685	24.12	22.12	[illegible]	[illegible]	[illegible]	[illegible]
7	Particulate matter	g/kw-hr	IS: 11255(P-1) 1985;ASTM D-3685	[illegible]	[illegible]	0.014	0.012	[illegible]	[illegible]
8	Sulphur dioxide	mg/Nm^3	IS: 11255 (P-II) 1985	[illegible]	24.8	25.6	23.2	22.8	23.1
9	Oxides of nitrogen	mg/Nm^3	ASTMD-1608 /EPA – 7	[illegible]	19.32	22.99	19.65	24.53	18.21
10	Oxides of nitrogen	g/kw-hr	ASTMD-1608 /EPA – 7	0.014	0.009	0.014	0.011	0.015	[illegible]

Instrument Used for SO_2, NOx - Flue Gas Analyzer (Make –MRU, Model –Optima 7)
Date of Calibration: 16.09.2024, Calibration Due: 17.09.2025
All the values are corrected to 15% O_2
Minimum Detectable Limit of for SO_2 – 3.4 mg/Nm^3
Stack Kit Make – Politech, Model –SMK 10B Sr.no.-2616
Date of Calibration : 16.09.2024, Calibration Due: 16.09.2025

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Report Number : VLL/VLS/25/03110/DG/01
Issue Date : 2025.06.04
P.O. Number : 15413752
P.O. Date : 2025.03.31

Sample Particulars: **SOURCE EMISSION MONITORING FOR DG SETS**

Samples Registered : 2025.05.30
Sampling date on : 2025.05.12
Analysis started on : 2025.05.30
Analysis Completed on : 2025.06.04
Test Required : Oxygen, Carbon Dioxide, Carbon Monoxide, Hydrocarbon and Noise
Samples Collected by Vimta Labs Limited.
LAB REF.: EC;

TEST REPORT

Sl. No.	PARAMETERS	UOM	METHOD OF TESTING	DG P-506 A	DG P-506 B	DG P-507 A	DG P-507 B	DG P-508 A	DG P-508 B
1	Duct diameter	m	-	0.2032	0.2032	0.2032	0.2032	0.2032	0.2032
2	Area of the Duct.	m^2	-	0.0324	0.0324	0.0324	0.0324	0.0324	0.0324
3	Flue gas Temp.	°C	IS: 11255(P-1) 1985	136	130	138	134	136	134
4	Velocity of the Flue gas	m/Sec	IS: 11255(P-1) 1985;	8.98	8.51	10.2	9.7	10.2	9.6
5	Gas Flow rate	Nm^3/hr	IS: 11255(P-1) 1985;	749	718	855	798	856	782
6	Oxygen	%	Flue Gas Analyzer	8.1	7.9	8.2	8.0	8.3	8.1
7	Carbon Dioxide	%	Flue Gas Analyzer	8.5	8.1	8.0	8.4	8.6	8.4
8	Carbon Monoxide	mg/ Nm	Flue Gas Analyzer	23.96	22.65	25.64	23.89	24.99	23.33
9	Carbon Monoxide	g/kw-hr	Flue Gas Analyzer	0.014	0.013	0.016	0.014	0.016	0.015
10	Hydrocarbon	mg/ Nm^3	Flue Gas Analyzer	24.46	22.54	25.94	23.32	26.86	24.87
11	Hydrocarbon	g/kw-hr	Flue Gas Analyzer	0.014	0.012	0.016	0.014	0.017	0.015
12	Noise	dB(A)	-	42.3	41.7	43.8	45.3	46.2	45.4

Instrument Used for SO_2, NOx - Flue Gas Analyzer (Make –MRU, Model –Optima 7)
Date of Calibration: 18.09.2024, Calibration Due: 17.09.2025
All the values are corrected to 15% O_2
Minimum Detectable Limit of for SO_2 – 3.4 mg/Nm^3
Stack Kit Make – Polltech, Model –SMK 10B sr.no.-2610
Date of Calibration: 16.09.2024, Calibration Due: 15.09.2025

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PLOT NO-50-55, IDA
PATANCHERU,
SANGA REDDY DISTRICT
T.S. INDIA

Report Number : VLL/VLS/25/03110/DG/01
Issue Date : 2025.06.04
P.O. Number : 15413752
P.O. Date : 2025.03.31

Sample Particulars: **SOURCE EMISSION MONITORING FOR DG SETS**

Samples Registered : 2025.05.30 Sampling date on : 2025.05.12
Analysis started on : 2025.05.30 Analysis Completed on : 2025.06.04
Test Required : Particulate Matter, Sulphur Dioxide, Oxides of Nitrogen and Carbon
Samples Collected by Vimta Labs Limited. LAB REF.: EC:

TEST REPORT

Sl. No.	PARAMETERS	UOM	METHOD OF TESTING	DG P-506 A	DG P-506 B	DG P-507 A	DG P-507 B	DG P-508 A	DG P-508 B
1	Duct diameter	m	-	0.2032	0.2032	0.2032	0.2032	0.2032	0.2032
2	Area of the Duct.	m^2	-	0.0324	0.0324	0.0324	0.0324	0.0324	0.0324
3	Flue gas Temp.	°C	IS: 11255(P-1) 1985;ASTM D-3685	136	130	138	134	136	134
4	Velocity of the Flue gas	m/Sec	IS: 11255(P-1) 1985;ASTM D-3685	8.96	8.51	10.2	9.7	10.2	9.6
5	Gas Flow rate	Nm^3/hr	IS: 11255(P-1) 1985;ASTM D-3685	749	718	855	798	856	782
6	Particulate matter	mg/Nm^3	IS: 11255(P-1) 1985;ASTM D-3685	24.76	25.99	0.013	0.015	0.013	
7	Particulate matter	g/kw-hr	IS: 11255(P-1) 1985;ASTM D-3685						
8	Sulphur dioxide	mg Nm	IS: 11255 (P-II) 1985	24.7	25.9	26.9	25.5	25.7	25.8
9	Oxides of nitrogen	mg/Nm^3	ASTMD-1608 /EPA – 7	25.89	24.66	24.86	22.55	27.79	25.68
10	Oxides of nitrogen	g/kw-hr	ASTMD-1608 /EPA – 7	0.016	0.014	0.015	0.013	0.017	0.015

Instrument Used for SO_2, NOx - Flue Gas Analyzer (Make –MRU, Model –Optima 7)
Date of Calibration: 16.09.2024, Calibration Due: 17.09.2025
All the values are corrected to 15% O_2
Minimum Detectable Limit of for SO_2 – 3.4 mg/Nm^3
Stack Kit Make – Polltech, Model –SMK 10B Sr.no.-2616
Date of Calibration : 16.09.2024, Calibration Due: 15.09.2025

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T.S. INDIA.

Report Number : VLL/VLS/25/05864/DG/01
Issue Date : 2025.07.04
P.O. Number : 15413752
P.O. Date : 2025.03.31

Sample Particulars: **SOURCE EMISSION MONITORING FOR DG SETS**

Samples Registered : 2025.06.27
Sampling date on : 2025.06.24
Analysis started on : 2025.06.27
Analysis Completed on : 2025.07.04
Test Required : Oxygen, Carbon Dioxide, Carbon Monoxide, Hydrocarbon and Noise
Samples Collected by Vimta Labs Limited.
LAB REF.: EC;

TEST REPORT

Sl. No.	PARAMETERS	UOM	METHOD OF TESTING	DG P-504 A	DG P-504 B	DG P-507 A	DG P-507 B	DG P-508 A	DG P-508 B
1	Duct diameter	m	-	0.2032	0.2032	0.2032	0.2032	0.2032	0.2032
2	Area of the Duct.	m	-	0.0324	0.0324	0.0324	0.0324	0.0324	0.0324
3	Flue gas Temp.	°C	IS: 11255(P-1) 1985	136	130	138	134	136	134
4	Velocity of the Flue gas	m/Sec	IS: 11255(P-1) 1985	8.96	8.51	10.2	9.7	10.2	9.6
5	Gas Flow rate	Nm^3/hr	IS: 11255(P-1) 1985;	749	718	855	798	856	782
6	Oxygen	%	Flue Gas Analyzer	8.1	7.9	8.2	8.0	8.3	8.1
7	Carbon Dioxide	%	Flue Gas Analyzer	8.5	8.1	8.0	8.4	8.6	8.4
8	Carbon Monoxide	mg/Nm^3	Flue Gas Analyzer	23.86	22.65	25.64	23.89	24.99	23.33
9	Carbon Monoxide	g/kw-hr	Flue Gas Analyzer	0.014	0.013	0.016	0.014	0.016	0.015
10	Hydrocarbon	mg/Nm^3	Flue Gas Analyzer	24.46	22.54	25.84	23.32	26.66	24.87
11	Hydrocarbon	g/kw-hr	Flue Gas Analyzer	0.014	0.012	0.016	0.014	0.017	0.015
12	Noise	dB(A)	-	42.3	41.7	43.8	45.3	46.2	45.4

Instrument Used for SO_2, NOx - Flue Gas Analyzer (Make –MRU, Model –Optima 7)
Date of Calibration: 18.09.2024, Calibration Due: 17.09.2025
All the values are corrected to 15% O_2
Minimum Detectable Limit of for SO_2 – 3.4 mg/Nm^3
Stack Kit Make – Poltech, Model –SMK 10B sr.no.-2616
Date of Calibration: 16.09.2024, Calibration Due: 15.09.2025

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T.S. INDIA

Report Number : VLL/VLS/25/05864/DG/01
Issue Date : 2025.07.04
P.O. Number : 15413752
P.O. Date : 2025.03.31

Sample Particulars: **SOURCE EMISSION MONITORING FOR DG SETS**

Samples Registered : 2025.06.27 Sampling date on : 2025.06.24
Analysis started on : 2025.06.27 Analysis Completed on : 2025.07.04
Test Required : Particulate Matter, Sulphur Dioxide, Oxides of Nitrogen and Carbon
Samples Collected by Vimta Labs Limited. LAB REF.: EC;

TEST REPORT

Sl No.	PARAMETERS	UOM	METHOD OF TESTING	DG P-506 A	DG P-506 B	DG P-507 A	DG P-507 B	DG P-508 A	DG P-508 B
1	Duct diameter	m	-	0.2032	0.2032	0.2032	0.2032	0.2032	0.2032
2	Area of the Duct.	m^2	-	0.0324	0.0324	0.0324	0.0324	0.0324	0.0324
3	Flue gas Temp.	°C	IS: 11255(P-1) 1985;ASTM D-3685	132	129	133	130	129	126
4	Velocity of the Flue gas	m/Sec	IS: 11255(P-1) 1985;ASTM D-3685	8.35	8.00	8.75	8.12	8.03	7.97
5	Gas Flow rate	Nm^3/hr	IS: 11255(P-1) 1985;ASTM D-3685	704	681	737	790	683	675
6	Particulate matter	mg/Nm^3	IS: 11255(P-1) 1985;ASTM D-3685	21.41	22.22	27.10	24.77	26.61	21.65
7	Particulate matter	g/kw-hr	IS: 11255(P-1) 1985;ASTM D-3685	0.016	0.013	0.016	0.012	0.015	0.010
8	Sulphur dioxide	mg/Nm^3	IS: 11255 (P-II) 1985	25.9	27.6	27.8	28.8	27.8	27.6
9	Oxides of nitrogen	mg/Nm^3	ASTMD-1608 /EPA – 7	28.11	29.40	28.01	2.65	2.94	25.42
10	Oxides of nitrogen	g/kw-hr	ASTMD-1608 /EPA – 7	0.017	0.015	0.016	0.011	0.017	0.014

Instrument Used for SO_2, NOx - Flue Gas Analyzer (Make –MRU, Model –Optima 7)
Date of Calibration: 18.09.2024, Calibration Due: 17.09.2025
All the values are corrected to 15% O_2
Minimum Detectable Limit of for SO_2 – 3.4 mg/Nm^3
Stack Kit Make – Pollech, Model –SMK 10B Sr.no.-2616
Date of Calibration : 16.09.2024, Calibration Due: 15.09.2025

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T.S. INDIA

Report Number : VLL/VLS/24/19599/TP/01
Issue Date : 2025.02.04
P.O. Number : 15387751
P.O. Date : 2024.04.12

Sample Particulars: **SOURCE EMISSION MONITORING FOR THERMOPACKS**

Samples Registered : 2025.01.31 Sampling date on : 2025.01.28
Analysis started on : 2025.01.31 Analysis Completed on : 2025.02.04
Test Required : Particulate Matter; Sulphur Dioxide and Oxides of Nitrogen
Samples Collected by Vimta Labs Limited. LAB REF.: EC:

TEST REPORT

Sl. No.	PARAMETERS	UOM	METHOD OF TESTING	STACK-1	STACK-6	STACK-2	STACK-8	MEE STACK-7	LIMITS AS PER CONCERN TSPCB
1	Stack Connected		-	Revo max Boiler 1& 2	Revomax -3 & 4	Thermopac -4	TP-P407	Revomax (BOP601)	-
2	Location		-	Resin House (P405&406)	Water Base Unit	Resin House	Resin House	EHS	-
3	Fuel		-	Oil/ LPG	Oil	Oil/ Gas	Oil/LPG	-	-
4	Duct diameter	m	-	0.5	0.5	0.5	0.5	0.51	-
5	Area of the Duct.	m^2	-	0.1962	0.1962	0.1962	0.1962	0.1962	-
6	Flue gas Temp.	^{0} C	IS: 11255(P-1) 1985	128	127	129	130	126	-
7	Velocity of the Flue gas	m/Sec		8.2	8.5	7.8	6.6	8.8	-
8	Gas Flow rate	Nm^3/hr		4268	4419	4014	3512	4582	-
9	Particulate Matter	mg/Nm^3		<5.0	<5.0	<5.0	<5.0	<5.0	150
10	Sulphur Dioxide	mg/Nm^3		<3.4	<3.4	<3.4	<3.4	<3.4	-
11	Oxides of Nitrogen	mg/Nm^3		21.8	24.6	21.8	24.3	22.5	-

Instrument Used for SO_2, NOx - Flue Gas Analyzer (Make –MRU, Model –Optima 7)
Date of Calibration : 18.09.2024, Calibration Due: 17.09.2025
Stack Kit Make – Polltech, Model –SMK 108 sr.no.-2618
Date of Calibration: 16.09.2024, Calibration Due: 15.09.2025

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SANGA REDDY DISTRICT
T.S. INDIA

KIND.ATTN: EHS MANAGER

Report Number : VLL/VLS/24/19599/TP/01
Issue Date : 2025.02.04
P.O. Number : 15387751
P.O. Date : 2024.04.12

Sample Particulars: **SOURCE EMISSION MONITORING FOR THERMOPACKS**

Samples Registered : 2025.01.31
Sampling date on : 2025.01.28
Analysis started on : 2025.01.31
Analysis Completed on : 2025.02.04
Test Required : Oxygen, Carbon Dioxide, Carbon Monoxide, Hydrocarbon and Noise
Samples Collected by Vimta Labs Limited.
LAB REF.: EC:

TEST REPORT

Sl. No.	PARAMETERS	UOM	METHOD OF TESTING	STACK-1	STACK-3	STACK-2	STACK-6	MEE STACK-7
1	Stack Connected		-	Revo max Boiler 1& 2	Revomax -3 & 4	Thermopac - 4	TP-P407	Revomax (BOP601)
2	Location		-	Resin House (404&406)	Water Base Unit	Resin House (407)	Resin House	EHS
3	Fuel		-	Oil/ LPG	Oil	Oil/ Gas	Oil/LPG	-
4	Duct diameter	m	-	0.5	0.5	0.5	0.5	0.51
5	Area of the Duct.	m^2	-	0.1962	0.1962	0.1962	0.1962	0.1962
6	Flue gas Temp.	^0C	IS: 11255(P-1) 1985	128	127	129	130	126
7	Velocity of the Flue gas	m/Sec		8.2	8.5	7.8	6.8	6.8
8	Gas Flow rate	Nm^3/hr		4268	4419	4014	3512	4562
9	Oxygen	%	Flue Gas Analyzer	8.0	8.2	8.3	8.2	7.7
10	Carbon Dioxide	%	Flue Gas Analyzer	8.1	7.7	7.2	7.6	7.2
11	Carbon Monoxide	ppm	Flue Gas Analyzer	21.9	20.6	19.7	20.8	21.1

Instrument Used for SO_2, NOx - Flue Gas Analyzer (Make –MRU, Model –Optima 7)
Date of Calibration: 16.08.2024, Calibration Due: 17.09.2025
Stack Kit Make – Polltech, Model –SMK 10B sr.no.-2616
Date of Calibration: 16.09.2024, Calibration Due: 15.09.2025

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T.S. INDIA

Report Number : VLL/VLS/24/22926/TP/01
Issue Date : 2025.03.04
P.O. Number : 15387751
P.O. Date : 2024.04.12

Sample Particulars: SOURCE EMISSION MONITORING FOR THERMOPACKS

Samples Registered : 2025.02.20 Sampling date on : 2025.02.13
Analysis started on : 2025.02.20 Analysis Completed on : 2025.03.04
Test Required : Particulate Matter; Sulphur Dioxide and Oxides of Nitrogen
Samples Collected by Vimta Labs Limited. LAB REF.: EC;

TEST REPORT

Sl. No.	PARAMETERS	UOM	METHOD OF TESTING	STACK-1	STACK-3	STACK-2	STACK-8	MEE STACK-7	LIMITS AS PER CONCER N TSPCB
1	Stack Connected		-	Revo max Boiler 1& 2	Revomax -3 & 4	Thermopac -4	TP-P407	Revomax (BOP601)	-
2	Location		-	Resin House (404&406)	Water Base Unit	Resin House	Resin House	EHS	-
3	Fuel		-	Oil/ LPG	Oil	Oil/ Gas	Oil/LPG	-	-
4	Duct diameter	m	-	0.5	0.5	0.5	0.5	0.51	-
5	Area of the Duct.	m^2	-	0.1962	0.1962	0.1962	0.1962	0.1962	-
6	Flue gas Temp.	°C	IS: 11255(P-1) 1985	131	133	135	136	133	-
7	Velocity of the Flue gas	m/Sec		9.2	9.4	9.3	8.3	9.6	-
8	Gas flow rate	Nm^3/hr		4716	4794	4712	4193	4892	-
9	Particulate Matter	mg/Nm^3		<5.0	<5.0	<5.0	<5.0	<5.0	115
10	Sulphur Dioxide	mg/Nm^3		<3.4	<3.4	<3.4	<3.4	<3.4	-
11	Oxides of Nitrogen	mg/Nm^3		23.11	[illegible]6	22.54	25.12	23.76	-

Instrument Used for SO_2, NOx - Flue Gas Analyzer (Make –MRU, Model –Optima 7)
Date of Calibration : 18.09.2024, Calibration Due: 17.09.2025
Stack Kit Make – Polltech, Model –SMK 10B sr.no.-2818
Date of Calibration: 16.09.2024, Calibration Due: 15.09.2025

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Report Number : VLL/VLS/24/22926/TP/01
Issue Date : 2025.02.04
P.O. Number : 15387751
P.O. Date : 2024.04.12

KIND.ATTN: EHS MANAGER

Sample Particulars: **SOURCE EMISSION MONITORING FOR THERMOPACKS**

Samples Registered	:	2025.02.20	Sampling date on	:	2025.02.13
Analysis started on	:	2025.02.20	Analysis Completed on	:	2025.03.04
Test Required	:	Oxygen, Carbon Dioxide, Carbon Monoxide, Hydrocarbon and Noise			

Samples Collected by Vimta Labs Limited. LAB REF.: EC:

TEST REPORT

Sl. No.	PARAMETERS	UOM	METHOD OF TESTING	STACK-1	STACK-3	STACK-2	STACK-6	MEE STACK-7
1	Stack Connected		-	Revo max Boiler 1& 2	Revomax -3 & 4	Thermopac - 4	TP-P407	Revomax (BOP601)
2	Location		-	Resin House (4045406)	Water Base Unit	Resin House (407)	Resin House	EHS
3	Fuel		-	Oil/ LPG	Oil	Oil/ Gas	Oil/LPG	-
4	Duct diameter	m	-	0.5	0.5	0.5	0.5	0.51
5	Area of the Duct.	m	-	0.1962	0.1962	0.1962	0.1962	0.1962
6	Flue gas Temp.	°C	IS: 11255(P-1) 1985	131	133	135	136	133
7	Velocity of the Flue gas	m/Sec		9.2	9.4	9.3	8.3	9.6
8	Gas Flow rate	Nm³/hr		4716	4794	4712	4193	4892
9	Oxygen	%	Flue Gas Analyzer	8.3	8.9	8.6	8.8	8.3
10	Carbon Dioxide	%	Flue Gas Analyzer	8.3	7.8	7.9	7.9	8.1
11	Carbon Monoxide	ppm	Flue Gas Analyzer	23.6	22.7	21.8	21.7	23.5

Instrument Used for SO_2, NOx - Flue Gas Analyzer (Make –MRU, Model –Optima 7)
Date of Calibration: 18.09.2024, Calibration Due: 17.09.2025
Stack Kit Make – Polltech, Model –SMK 10B sr.no.-2816
Date of Calibration: 18.09.2024, Calibration Due: 15.09.2025

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Report Number : VLL/VLS/24/24799/TP/01
Issue Date : 2025.04.03
P.O. Number : 15387751
P.O. Date : 2024.04.12

Sample Particulars: **SOURCE EMISSION MONITORING FOR THERMOPACKS**

Samples Registered : 2025.03.28 Sampling date on : 2025.03.22
Analysis started on : 2025.03.28 Analysis Completed on : 2025.04.02
Test Required : Particulate Matter; Sulphur Dioxide and Oxides of Nitrogen
Samples Collected by Vimta Labs Limited. LAB REF.: EC;

TEST REPORT

Sl. No.	PARAMETERS	UOM	METHOD OF TESTING	STACK-1	STACK-3	STACK-2	STACK-8	MEE STACK-7	LIMITS AS PER CONCERN TSPCB
1	Stack Connected		-	Revo max Boiler 1& 2	Revomax -3 & 4	Thermopac -4	TP-P407	Revomax (BOP601)	-
2	Location		-	Resin House (404&406)	Water Base Unit	Resin House	Resin House	EHS	-
3	Fuel		-	Oil/ LPG	Oil	Oil/ Gas	Oil/LPG	-	-
4	Duct diameter	m	-	0.5	0.5	0.5	0.5	0.51	-
5	Area of the Duct.	m^2	-	0.1962	0.1962	0.1962	0.1962	0.1962	-
6	Flue gas Temp.	°C	IS: 11255(P-1) 1985	136	137	139	141	138	-
7	Velocity of the Flue gas	m/Sec		8.7	7.6	8.3	7.7	7.5	-
8	Gas Flow rate	Nm^3/hr		4399	3860	4194	3884	3790	-
9	Particulate Matter	mg/Nm^3		<5.0	<5.0	<5.0	<5.0	<5.0	-
10	Sulphur Dioxide	mg/Nm^3		<3.4	<3.4	<3.4	<3.4	<3.4	-
11	Oxides of Nitrogen	mg/Nm^3		21.31	22.35	20.01	23.08	20.54	-

Instrument Used for SO_2, NOx - Flue Gas Analyzer (Make –MRU, Model –Optima 7)
Date of Calibration : 18.09.2024, Calibration Due: 17.09.2025
Stack Kit Make – Polltech, Model –SMK 10B sr.no.-2616
Date of Calibration: 16.09.2024, Calibration Due: 15.09.2025

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T.S. INDIA

KIND.ATTN: EHS MANAGER

Report Number : VLL/VLS/24/24799/TP/01
Issue Date : 2025.04.03
P.O. Number : 15387751
P.O. Date : 2024.04.12

Sample Particulars: **SOURCE EMISSION MONITORING FOR THERMOPACKS**

Samples Registered : 2025.03.28 Sampling date on : 2025.03.22
Analysis started on : 2025.03.28 Analysis Completed on : 2025.04.02
Test Required : Oxygen, Carbon Dioxide, Carbon Monoxide, Hydrocarbon and Noise
Samples Collected by Vimta Labs Limited. LAB REF.: EC;

TEST REPORT

Sl. No.	PARAMETERS	UOM	METHOD OF TESTING	STACK-1	STACK-3	STACK-2	STACK-6	MEE STACK-7
1	Stack Connected		-	Revomax Boiler 1& 2	Revomax -3 & 4	Thermopac - 4	TP-P407	Revomax (BOP-01)
2	Location		-	Resin House (404&406)	Water Base Unit	Resin House (407)	Resin House	EHS
3	Fuel		-	Oil/ LPG	Oil	Oil/ Gas	Oil/LPG	-
4	Duct diameter	m	-	0.5	0.5	0.5	0.5	0.51
5	Area of the Duct.	m^2	-	0.1962	0.1962	0.1962	0.1962	0.1962
6	Flue gas Temp.	°C	IS: 11255(P-1) 1985	136	137	139	141	138
7	Velocity of the Flue gas	m/Sec		8.7	7.6	8.3	7.7	7.5
8	Gas Flow rate	Nm^3/hr		4399	3860	4194	3884	3790
9	Oxygen	%	Flue Gas Analyzer	8.7	8.5	8.2	8.0	8.6
10	Carbon Dioxide	%	Flue Gas Analyzer	8.1	7.2	7.5	7.3	8.4
11	Carbon Monoxide	ppm	Flue Gas Analyzer	20.6	21.5	22.5	23.1	22.7

Instrument Used for SO_2, NOx - Flue Gas Analyzer (Make –MRU, Model –Optima 7)
Date of Calibration: 18.09.2024, Calibration Due: 17.09.2025
Stack Kit Make -- Polltech, Model –SMK 10B sr.no.-2615
Date of Calibration: 16.09.2024, Calibration Due: 15.09.2025

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PATANCHERU,
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T.S. INDIA

Report Number : VLL/VLS/25/1900/TP/01
Issue Date : 2025.05.05
P.O. Number : 15413752
P.O. Date : 2025.03.31

Sample Particulars: **SOURCE EMISSION MONITORING FOR THERMOPACKS**

Samples Registered : 2025.05.02 Sampling date on : 2025.04.29
Analysis started on : 2025.05.02 Analysis Completed on : 2025.05.05
Test Required : Particulate Matter; Sulphur Dioxide and Oxides of Nitrogen
Samples Collected by Vimta Labs Limited. LAB REF.: EC:

TEST REPORT

Sl. No.	PARAMETERS	UOM	METHOD OF TESTING	STACK-1	STACK-3	STACK-2	STACK-8	MEE STACK-7	LIMITS AS PER CONCERN TSPCB
1	Stack Connected		-	Revo max Boiler 1& 2	Revomax -3 & 4	Thermopac -4	TP-P407	Revomax (BOP601)	-
2	Location		-	Resin House (404&406)	Water Base Unit	Resin House	Resin House	EHS	-
3	Fuel		-	Oil/ LPG	Oil	Oil/ Gas	Oil/LPG	-	-
4	Duct diameter	m	-	0.5	0.5	0.5	0.5	0.51	-
5	Area of the Duct.	m^2	-	0.1962	0.1962	0.1962	0.1962	0.1962	-
6	Flue gas Temp.	^{0} C	IS: 11255(P-1) 1985	139	138	136	145	141	-
7	Velocity of the Flue gas	m/Sec		9.4	8.3	9.1	9.2	8.5	-
8	Gas Flow rate	Nm^3/hr		4722	4180	4598	4562	4271	-
9	Particulate Matter	mg/Nm^3		<5.0	<5.0	<5.0	<5.0	<5.0	115
10	Sulphur Dioxide	mg/Nm^3		<3.4	<3.4	<3.4	<3.4	<3.4	-
11	Oxides of Nitrogen	mg/Nm^3		23.7	20.5	21.8	21.7	22.3	-

Instrument Used for SO_2, NOx - Flue Gas Analyzer (Make –MRU, Model –Optima 7)
Date of Calibration : 18.09.2024, Calibration Due: 17.09.2025
Stack Kit Make – Polltech, Model –SMK 10B sr.no.-2616
Date of Calibration: 16.09.2024, Calibration Due: 15.09.2025

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SANGA REDDY DISTRICT
T.S. INDIA

KIND.ATTN: EHS MANAGER

Report Number : VLL/VLS/25/1900/TP/01
Issue Date : 2025.05.05
P.O. Number : 15413752
P.O. Date : 2025.03.31

Sample Particulars: **SOURCE EMISSION MONITORING FOR THERMOPACKS**

Samples Registered : 2025.05.02 Sampling date on : 2025.04.29
Analysis started on : 2025.05.02 Analysis Completed on : 2025.05.05
Test Required : Oxygen, Carbon Dioxide, Carbon Monoxide, Hydrocarbon and Noise
Samples Collected by Vimta Labs Limited. LAB REF.: EC:

TEST REPORT

Sl. No.	PARAMETERS	UOM	METHOD OF TESTING	STACK-1	STACK-3	STACK-2	STACK-8	MEE STACK-7
1	Stack Connected		-	Revomax Boiler 15.2	Revomax -3 & 4	Thermopac - 4	TP-P407	Revomax (BOP6011
2	Location		-	Resin House (404&406)	Water Base Unit	Resin House (407)	Resin House	EHS
3	Fuel		-	Oil/ LPG	Oil	Oil/ Gas	Oil/LPG	-
4	Duct diameter	m	-	0.5	0.5	0.5	0.5	0.51
5	Area of the Duct.	m	-	0.1962	0.1962	0.1962	0.1962	0.1962
6	Flue gas Temp.	°C	IS: 11255(P-1) 1985	139	138	136	145	141
7	Velocity of the Flue gas	m/Sec		9.4	8.3	9.1	9.2	8.5
8	Gas Flow rate	Nm^3/hr		4722	4180	4598	4562	4271
9	Oxygen	%	Flue Gas Analyzer	8.4	8.2	8.5	8.4	8.2
10	Carbon Dioxide	%	Flue Gas Analyzer	8.0	7.6	7.8	7.9	8.9
11	Carbon Monoxide	ppm	Flue Gas Analyzer	21.8	23.4	23.8	24.8	24.4

Instrument Used for SO_2, NOx - Flue Gas Analyzer (Make –MRU, Model –Optima 7)
Date of Calibration: 18.09.2024, Calibration Due: 17.09.2025
Stack Kit Make – Polltech, Model –SMK 10B sr.no.-2616
Date of Calibration: 16.09.2024, Calibration Due: 15.09.2025

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Report Number : VLL/VLS/25/03110/TP/01
Issue Date : 2025.06.04
P.O. Number : 15413752
P.O. Date : 2025.03.31

Sample Particulars: SOURCE EMISSION MONITORING FOR THERMOPACKS

Samples Registered : 2025.05.30 Sampling date on : 2025.05.13
Analysis started on : 2025.05.30 Analysis Completed on : 2025.06.04
Test Required : Particulate Matter; Sulphur Dioxide and Oxides of Nitrogen
Samples Collected by Vimta Labs Limited. LAB REF.: EC:

TEST REPORT

Sl. No.	PARAMETERS	UOM	METHOD OF TESTING	STACK-1	STACK-3	STACK-2	STACK-8	MEE STACK-7	LIMITS AS PER CONCERN TSPCB
1	Stack Connected		-	Revomax Boiler 1& 2	Revomax -3 & 4	Thermopac -4	TP-P407	(BOP601)	
2	Location		-	Resin House (TP1E406)	Water Base Unit	Resin House	Resin House	EHS	-
3	Fuel		-	Oil/ LPG	Oil	Oil/ Gas	Oil/LPG	-	-
4	Duct diameter	m	-	0.5	0.5	0.5	0.5	0.51	-
5	Area of the Duct	m^2	-	0.1962	0.1962	0.1962	0.1962	0.1962	-
6	Flue gas Temp.	^{0} C	IS: 11255(P-1) 1985	144	145	141	149	147	-
7	Velocity of the Flue gas	m/Sec		10.2	9.4	10.4	10.3	9.3	-
8	Gas Flow rate	Nm^3/hr		5078	4644	5219	5039	4570	-
9	Particulate Matter	mg/Nm^3		<5.0	<5.0	<5.0	<5.0	<5.0	115
10	Sulphur Dioxide	mg/Nm^3		<3.4	<3.4	<3.4	<3.4	<3.4	-
11	Oxides of Nitrogen	mg/Nm^3		25.5	23.9	24.7	24.9	27.6	-

Instrument Used for SO_2, NOx - Flue Gas Analyzer (Make –MRU, Model –Optima 7)
Date of Calibration : 18.09.2024, Calibration Due: 17.09.2025
Stack Kit Make – Polltech, Model –SMK 10B sr.no.-2616
Date of Calibration: 16.09.2024, Calibration Due: 15.09.2025

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T.S. INDIA

KIND.ATTN: EHS MANAGER

Report Number : VLL/VLS/25/03110/TP/01
Issue Date : 2025.06.04
P.O. Number : 15413752
P.O. Date : 2025.03.31

Sample Particulars: **SOURCE EMISSION MONITORING FOR THERMOPACKS**

Samples Registered	:	2025.05.30	Sampling date on	:	2025.05.13
Analysis started on	:	2025.05.30	Analysis Completed on	:	2025.06.04
Test Required	:	Oxygen, Carbon Dioxide, Carbon Monoxide, Hydrocarbon and Noise			

Samples Collected by Vimta Labs Limited. LAB REF.: EC:

TEST REPORT

Sl. No.	PARAMETERS	UOM	METHOD OF TESTING	STACK-1	STACK-3	STACK-2	STACK-8	MEE STACK-7
1	Stack Connected		-	Revomax Boiler 1& 2 Resin House	Revomax -3 & 4 Water Base Unit	Thermopac - 4 Resin House 407	TP-1&2 Resin House	Revomax (BOF-01) EHS
2	Location		-					
3	Fuel		-	Oil/ LPG	Oil	Oil/ Gas	Oil/LPG	-
4	Duct diameter	m	-	0.5	0.5	0.5	0.5	0.51
5	Area of the Duct	m^2	-	0.1962	0.1962	0.1962	0.1962	0.1962
6	Flue gas Temp.	C	IS: 11255(P-1) 1985	144	145	141	149	147
7	Velocity of the Flue gas	m/Sec		10.2	9.4	10.4	10.3	9.3
8	Gas Flow rate	Nm^3/hr		5078	4644	5219	5039	4570
9	Oxygen	%	Flue Gas Analyzer	8.6	8.7	8.3	8.8	8.6
10	Carbon Dioxide	%	Flue Gas Analyzer	8.3	7.9	8.1	8.7	8.2
11	Carbon Monoxide	ppm	Flue Gas Analyzer	24.9	25.5	25.2	26.5	25.8

Instrument Used for SO_2, NOx - Flue Gas Analyzer (Make –MRU, Model –Optima 7)
Date of Calibration: 18.09.2024, Calibration Due: 17.09.2025
Stack Kit Make – Polltech, Model –SMK 10B sr.no.-2816
Date of Calibration: 16.09.2024, Calibration Due: 15.09.2025

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Report Number : VLL/VLS/25/05864/TP/01
Issue Date : 2025.07.04
P.O. Number : 15413752
P.O. Date : 2025.03.31

Sample Particulars: **SOURCE EMISSION MONITORING FOR THERMOPACKS**

Samples Registered : 2025.06.27 Sampling date on : 2025.06.25
Analysis started on : 2025.06.27 Analysis Completed on : 2025.07.04
Test Required : Particulate Matter, Sulphur Dioxide and Oxides of Nitrogen
Samples Collected by Vimta Labs Limited. LAB REF.: EC;

TEST REPORT

Sl. No.	PARAMETERS	UOM	METHOD OF TESTING	STACK-1	STACK-3	STACK-2	STACK-8	MEE STACK-7	LIMITS AS PER CONCERN TSPCB
1	Stack Connected		-	Revomax Boiler 1& 2	Revomax -3 & 4	Thermopac -4	TP-P407	Revomax (BOP601)	-
2	Location		-	Resin House (P-1&406)	Water Base Unit	Resin House	Resin House	EHS	-
3	Fuel		-	Oil/ LPG	Oil	Oil/ Gas	Oil/LPG	-	-
4	Duct diameter	m	-	0.5	0.5	0.5	0.5	0.51	-
5	Area of the Duct.	m^2	-	0.1962	0.1962	0.1962	0.1962	0.1962	-
6	Flue gas Temp.	°C	IS: 11255(P-I) 1985	139	141	137	144	143	-
7	Velocity of the Flue gas	m/Sec		8.33	8.4	8.9	8.55	7.81	-
8	Gas Flow rate	Nm^3/hr		4176	4190	4494	4235	3878	-
9	Particulate Matter	mg/Nm^3		<5.0	<5.0	<5.0	<5.0	<5.0	115
10	Sulphur Dioxide	mg/Nm^3		<3.4	<3.4	<3.4	<3.4	<3.4	-
11	Oxides of Nitrogen	mg/Nm^3		23.4	22.7	23.7	25.4	25.6	-

Instrument Used for SO_2, NOx - Flue Gas Analyzer (Make –MRU, Model –Optima 7)
Date of Calibration : 18.09.2024, Calibration Due: 17.09.2025
Stack Kit Make – Polltech, Model –SMK 108 sr.no.-2616
Date of Calibration: 16.09.2024, Calibration Due: 15.09.2025

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KIND.ATTN: EHS MANAGER

Report Number : VLL/VLS/25/05864/TP/01
Issue Date : 2025.07.04
P.O. Number : 15413752
P.O. Date : 2025.03.31

Sample Particulars: **SOURCE EMISSION MONITORING FOR THERMOPACKS**

Samples Registered : 2025.06.27
Analysis started on : 2025.06.27
Test Required : Oxygen, Carbon Dioxide, Carbon Monoxide, Hydrocarbon and Noise
Sampling date on : 2025.06.25
Analysis Completed on : 2025.07.04
Samples Collected by Vimta Labs Limited.
LAB REF.: EC;

TEST REPORT

Sl. No.	PARAMETERS	UOM	METHOD OF TESTING	STACK-1	STACK-3	STACK-2	STACK-6	MEE STACK-7
1	Stack Connected		-	Revomax Boiler 1& 2 Resin House (404& 406)	Revomax -3 & 4 Water Base Unit	Thermopac - 4 Resin House (407)	TP-P407 Resin House	Revomax (BCF 601) EHS
2	Location		-					
3	Fuel		-	Oil/ LPG	Oil	Oil/ Gas	Oil/LPG	-
4	Duct diameter	m	-	0.5	0.5	0.5	0.5	0.51
5	Area of the Duct.	m^2	-	0.1962	0.1962	0.1962	0.1962	0.1962
6	Flue gas Temp.	C	IS: 11255(P-1) 1985	139	141	137	144	143
7	Velocity of the Flue gas	m/Sec		8.33	8.4	8.9	8.55	7.81
8	Gas Flow rate	Nm^3/hr		4178	4190	4494	4235	3878
9	Oxygen	%	Flue Gas Analyzer	8.2	8.3	8.2	8.5	8.3
10	Carbon Dioxide	%	Flue Gas Analyzer	8.0	7.6	8.0	8.3	8.0
11	Carbon Monoxide	ppm	Flue Gas Analyzer	22.6	23.1	23.5	24.8	23.2

Instrument Used for SO_2, NOx - Flue Gas Analyzer (Make –MRU, Model –Optima 7)
Date of Calibration: 18.09.2024, Calibration Due: 17.09.2025
Stack Kit Make – Poltech, Model –SMK 10B sr.no.-2616
Date of Calibration: 16.09.2024, Calibration Due: 15.09.2025

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ANNEXURE – II
Test reports of treated water

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Report Number	:	VLL/VLS/24/19599/EW/001
Issue Date	:	2025.01.20
P.O. Number	:	0015387751
P.O. Date	:	2024.04.12

Sample Particulars	:	EFFLUENTS WATER SAMPLES			
Samples Registered on	:	2025.01.10	Sampled date on	:	2025.01.09
Analysis started on	:	2025.01.11	Analysis Completed on	:	2025.01.18
Test Required	:	Temp, Particle Size, Cl, S SO4,F, AN,Na,B,RFC,As,Cd,Se, Hg,Pesticides,Ammonia, P,TKN, RSC, CN, Heavy Metals, BOD, COD, O&G, pH, TSS, TDS, Silica ,Cr,Cu,Cr+6,Pb, Ni, Phenolic Compunds, Zn, K			
Method of Testing	:	As per APHA 24th Edition and IS: 3025(Part-44)			
Samples Collected by Vimta Labs Limited.			LAB REF.: EC/		

TEST REPORT

Sr. No.	PARAMETER	UOM	SAMPLE ID		Limits
			RAW EFFLUENT	TREATED EFFLUENT	
1	Temperature	°C	25.1	25	-
2	Particle size of total Suspended Solid	Microns	34.4	32.4	-
3	Chloride as Cl	mg/L	284.9	512.3	-
4	Sulphide as S	mg/L	3.2	<1.0	2.0
5	Sulphate as SO_4	mg/L	324.6	172.6	-
6	Fluoride as F	mg/L	3.65	0.25	2.0
7	Ammonical Nitrogen as N	mg/L	82.6	12.6	50.0
8	Sodium as Na	mg/L	935	67.4	-
9	Boron as B	mg/L	3.28	0.47	-
10	Total Residual Chlorine	mg/L	3.4	<0.1	1.0
11	Arsenic as As	mg/L	<0.01	<0.01	0.2
12	Cadmium as Cd	mg/L	0.95	<0.01	2.0
13	Selenium as Se	mg/L	0.06	<0.01	0.05
14	Mercury as Hg	mg/L	<0.01	<0.001	0.01
15	Pesticides	mg/L	Absent	Absent	-
16	Free Ammonia as NH3	mg/L	4.27	0.55	5.0
17	Dissolved Phosphate as P	mg/L	81.64	0.92	5.0
18	Total Kjeldahl Nitrogen as (N)	mg/L	164.0	34.2	100
19	Cyanide as (CN)	mg/L	<0.02	<0.02	0.2
20	Residual Sodium Carbonate	-	5.15	2.72	-
21	Total Heavy Metals	mg/L	42.64	1.86	-
22	Biochemical Oxygen Demand at 27°C	mg/L	2800	25	50.0
23	Chemical Oxygen Demand	mg/L	9180	210	250.0
24	Oil & Grease	mg/L	12	3.2	10.0
25	pH at 25°C	—	8.47	8.09	5.5-9.0
26	Total Suspended Solids at 105°C	mg/L	908	28	100.0
27	Total Dissolved Solids at 180°C	mg/L	2232	2036	2000.0
28	Silica as SiO_2	mg/L	—	—	—

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T.S. INDIA

Report Number	:	VLL/VLS/24/19599/EW/001
Issue Date	:	2025.01.20
P.O. Number	:	0015387751
P.O. Date	:	2024.04.12

Sample Particulars : EFFLUENTS WATER SAMPLES

Samples Registered on	:	2025.01.10	Sampling date on	:	2025.01.09
Analysis started on	:	2025.01.11	Analysis Completed on	:	2025.01.18
Test Required	:	Temp, Particle Size, Cl, S,SO4,F, AN,Na,B,RFC,As,Cd,Se, Hg,Pesticides,Ammonia, P,TKN,CN, Heavy Metals,BOD,COD,O&G,pH,TSS, TDS,Silica,Cr,Cu,Cr+6,Pb, Ni, Phenolic Compunds, Zn, K			
Method of Testing	:	As per APHA 24th Edition and IS: 3025(Part-44)			
Samples Collected by Vimta Labs Limited.					LAB REF.: EC;

TEST REPORT

Sr.No.	PARAMETER	UOM	SAMPLE ID		
			RAW EFFLUENT	TREATED EFFLUENT	Limits
29	Chromium as Cr	mg/L	1.97	0.23	2.0
30	Copper as Cu	mg/L	17.3	0.82	3.0
31	Hexavalent Chromium as Cr^{6+}	mg/L	1.45	<0.01	0.1
32	Lead as Pb	mg/L	1.36	0.12	0.1
33	Nickel as Ni	mg/L	0.65	0.18	3.0
34	Phenolic Compounds as C_6H_5OH	mg/L	1.68	<0.001	1.0
35	Zinc as Zn	mg/L	15.3	0.75	5.0
36	Potassium as K	mg/L	18	16.2	-

Remarks: Results relate only to the sample tested.
Instrument Used: ICP - OES & UV-Vis Spectrophotometer
ICP OES Calibrated on:21/12/2024, Calibration Due date:24/06/2025; (ID No..: VLS-NT/ICP-OES/01)
UV-VIS Spectrophotometer Calibrated on: 12/11/2024, Calibration Due date:11/02/2025; (ID No..: VLS-NT/UV-VIS/01)

- END OF THE TEST REPORT -

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Report Number	:	**VLL/VLS/24/22926/EW/001**
Issue Date	:	**2025.03.03**
P.O. Number	:	**0015387751**
P.O. Date	:	**2024.04.12**

Sample Particulars	:	**EFFLUENTS WATER SAMPLES**			
Samples Registered on	:	2025.02.20	**Sampling date on**	:	2025.02.19
Analysis started on	:	2025.02.21	**Analysis Completed on**	:	2025.02.28
Test Required	:	Temp, Particle Size, Cl, S SO4,F, AN,Na,B,RFC,As,Cd,Se, Hg,Pesticides,Ammonia, P,TKN, RSC, CN, Heavy Metals, BOD, COD, O&G, pH, TSS, TDS, Silica ,Cr,Cu,Cr+6,Pb, Ni Phenolic Compounds Zn, k			
Method of Testing	:	As per APHA 24th Edition and IS 3025 Part-44;			

Samples Collected by Vimta Labs Limited. LAB REF.: EC;

TEST REPORT

Sr. No.	PARAMETER	UOM	SAMPLE ID		
			RAW EFFLUENT	TREATED EFFLUENT	Limits
1	Temperature	°C	24.8	25.1	-
2	Particle size of total Suspended Solid	Microns	33.6	32.1	-
3	Chloride as Cl	mg/L	277.4	504.8	-
4	Sulphide as S	mg/L	3.6	<1.0	2.0
5	Sulphate as SO_4	mg/L	318.4	170.2	-
6	Fluoride as F	mg/L	3.17	0.23	2.0
7	Ammonical Nitrogen as N	mg/L	80.4	11.8	50.0
8	Sodium as Na	mg/L	923	507	-
9	Boron as B	mg/L	3.57	0.59	-
10	Total Residual Chlorine	mg/L	3.2	<0.1	1.0
11	Arsenic as As	mg/L	<0.01	<0.01	0.2
12	Cadmium as Cd	mg/L	0.82	<0.01	2.0
13	Selenium as Se	mg/L	0.05	<0.01	0.05
14	Mercury as Hg	mg/L	<0.01	<0.001	0.01
15	Pesticides	mg/L	Absent	Absent	-
16	Free Ammonia as NH3	mg/L	4.09	0.34	5.0
17	Dissolved Phosphate as P	mg/L	78.2	0.28	5.0
18	Total Kjeldahl Nitrogen as (N)	mg/L	165.4	32.4	100
19	Cyanide as (CN)	mg/L	<0.02	<0.02	0.2
20	Residual Sodium Carbonate	-	4.95	2.57	-
21	Total Heavy Metals	mg/L	40.7	1.86	-
22	Biochemical Oxygen Demand at 27°C	mg/L	2780	32	50.0
23	Chemical Oxygen Demand	mg/L	9124	192	250.0
24	Oil & Grease	mg/L	10.8	3.0	10.0
25	pH at 25°C	—	8.23	8.17	5.5-9.0
26	Total Suspended Solids at 105°C	mg/L	892	24	100.0
27	Total Dissolved Solids at 180°C	mg/L	2207	2025	2000.0
28	Silica as SiO2	mg/L	—	—	—

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PLOT NO-50-55, IDA
PATANCHERU,
SANGA REDDY DISTRICT
T.S. INDIA

Report Number	:	VLL/VLS/24/22926/EW/001
Issue Date	:	2025.03.03
P.O. Number	:	0015387751
P.O. Date	:	2024.04.12

Sample **Particulars** : **EFFLUENTS WATER SAMPLES**

Samples Registered on	:	2025.02.20	Sampling date on	:	2025.02.19
Analysis started on	:	2025.02.21	Analysis Completed on	:	2025.02.28
Test Required	:	Temp, Particle Size, Cl, S,SO4,F, AN,Na,B,RFC,As,Cd,Se, Hg,Pesticides,Ammonia, P,TKN,CN, Heavy Metals,BOD,COD,O&G,pH,TSS, TDS,Silica,Cr,Cu,Cr+6,Pb, Ni, Phenolic Compunds, Zn, K			
Method of Testing	:	As per APHA 24th Edition and IS: 3025(Part-44)			

Samples Collected by Vimta Labs Limited. LAB REF.: EC:

TEST REPORT

Sr.No.	PARAMETER	UOM	SAMPLE ID		Limits
			RAW EFFLUENT	TREATED EFFLUENT	
29	Chromium as Cr	mg/L	1.85	0.17	2.0
30	Copper as Cu	mg/L	18.1	0.72	3.0
31	Hexavalent Chromium as Cr^{+6}	mg/L	1.32	<0.01	0.1
32	Lead as Pb	mg/L	1.28	0.09	0.1
33	Nickel as Ni	mg/L	0.56	0.15	3.0
34	Phenolic Compounds as C_6H_5OH	mg/L	1.74	<0.001	1.0
35	Zinc as Zn	mg/L	14.8	0.67	5.0
36	Potassium as K	mg/L	15	14.6	-

Remarks: Results relate only to the sample tested.
Instrument Used: ICP - OES & UV-Vis Spectrophotometer
ICP OES Calibrated on: 21/12/2024, Calibration Due date:24/06/2025; (ID No..: VLS-NT/ICP-OES/01)
UV-VIS Spectrophotometer Calibrated on: 11/02/2025, Calibration Due date:10/05/2025; (ID No..: VLS-NT/UV-VIS/01)

- END OF THE TEST REPORT –

Name and Designation of Authorized Signatory

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T.S. INDIA

Report Number	:	**VLL/VLS/24/24799/EW/001**
Issue Date	:	**2025.03.29**
P.O. Number	:	**0015387751**
P.O. Date	:	**2024.04.12**

Sample Particulars : EFFLUENTS WATER SAMPLES

Samples Registered on	:	2025.03.21	Sampling date on	:	2025.03.20
Analysis **started on**	:	2025.03.21	Analysis Completed	:	2025.03.28
Test Required	:	Temp, Particle Size, Cl, S, SO4,F, AN,Na,B,RFC,As,Cd,Se, Hg,Pesticides,Ammonia, P,TKN, RSC, CN, Heavy Metals, BOD, COD, O&G, pH, TSS, TDS, Cr,Cu,Cr+6,Pb, Ni, Phenolic Compunds, Zn, K			
Method of Testing	:	As per APHA 24th Edition and IS: 3025(Part-44)			

Samples Collected by Vimta Labs Limited. LAB REF.: EC;

TEST REPORT

Sr. No.	PARAMETER	UOM	SAMPLE ID		Limits
			RAW EFFLUENT	TREATED EFFLUENT	
1	Temperature	°C	25.8	25.7	-
2	Particle size of total Suspended Solid	Microns	32.4	31.8	-
3	Chloride as Cl	mg/L	272.6	497.4	-
4	Sulphide as S	mg/L	3.2	<1.0	2.0
5	Sulphate as SO_4	mg/L	312.6	168.2	-
6	Fluoride as F	mg/L	2.85	0.36	2.0
7	Ammonical Nitrogen as N	mg/L	82.6	12.4	50.0
8	Sodium as Na	mg/L	914	498	-
9	Boron as B	mg/L	3.32	0.47	-
10	Total Residual Chlorine	mg/L	3.5	<0.1	1.0
11	Arsenic as As	mg/L	<0.01	<0.01	0.2
12	Cadmium as Cd	mg/L	0.75	<0.01	2.0
13	Selenium as Se	mg/L	0.06	<0.01	0.05
14	Mercury as Hg	mg/L	<0.01	<0.001	0.01
15	Pesticides	mg/L	Absent	Absent	-
16	Free Ammonia as NH3	mg/L	3.85	0.28	5.0
17	Dissolved Phosphate as P	mg/L	76.2	6.32	5.0
18	Total Kjeldahl Nitrogen as (N)	mg/L	164.2	36.2	100
19	Cyanide as (CN)	mg/L	<0.02	<0.02	0.2
20	Residual Sodium Carbonate	-	4.54	2.23	-
21	Total Heavy Metals	mg/L	35.41	1.65	-
22	Biochemical Oxygen Demand at 27°C	mg/L	2695	34	50.0
23	Chemical Oxygen Demand	mg/L	9110	160	250.0
24	Oil & Grease	mg/L	8.9	3.2	10.0
25	pH at 25°C	-	8.09	7.98	5.5-9.0
26	Total Suspended Solids at 105°C	mg/L	886	22	100.0
27	Total Dissolved Solids at 180°C	mg/L	2196	2012	2000.0

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T.S. INDIA

Report Number	:	**VLL/VLS/24/24799/EW/001**
Issue Date	:	**2025.03.29**
P.O. Number	:	**0015387751**
P.O. Date	:	**2024.04.12**

Sample Particulars : **EFFLUENTS WATER SAMPLES**

Samples Registered on	:	2025.03.21	Sampling date on	:	20[illegible].03.20
Analysis started on	:	2025.03.21	Analysis Completed	:	2025.03.28
Test Required	:	Temp, Particle Size, Cl, S,SO4,F, AN, Na, B, RFC, As, Cd, Se, Hg, Pesticides, Ammonia, P,TKN,CN, Heavy Metals, BOD, COD, O&G, pH, TSS, TDS, Cr,Cu,Cr+6,Pb, Ni, Phenolic Compunds, Zn, K			
Method of Testing	:	As per APHA 24th Edition and IS: 3025(Part-44)			

Samples Collected by Vimta Labs Limited. LAB REF.: EC;

TEST REPORT

Sr.No.	PARAMETER	UOM	SAMPLE ID		
			RAW EFFLUENT	TREATED EFFLUENT	Limits
28	Chromium as Cr	mg/L	1.72	0.15	2.0
29	Copper as Cu	mg/L	17.4	0.66	3.0
30	Hexavalent Chromium as Cr^{6+}	mg/L	1.26	<0.01	0.1
31	Lead as Pb	mg/L	1.19	0.08	0.1
32	Nickel as Ni	mg/L	0.48	0.14	3.0
33	Phenolic Compounds as C_6H_5OH	mg/L	1.57	<0.001	1.0
34	Zinc as Zn	mg/L	13.6	0.56	5.0
35	Potassium as K	mg/L	14	12.2	-

Remarks: Results relate only to the sample tested.
Instrument Used: ICP - OES & UV-Vis Spectrophotometer
ICP OES Calibrated on: 21/12/2024, Calibration Due date: 24/06/2025; (ID No..: VLS-NT/ICP-OES/01)
UV-VIS Spectrophotometer Calibrated on: 11/02/2025, Calibration Due date: 10/05/2025; (ID No..: VLS-NT/UV-VIS/01)

- END OF THE TEST REPORT -

Name and Designation of Authorized Signatory

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Report Number	:	**VLL/VLS/25/01900/EW/001**
Issue Date	:	**2025.05.05**
P.O. Number	:	**0015413752**
P.O. Date	:	**2025.03.31**

Sample Particulars	:	**EFFLUENTS WATER SAMPLES**			
Samples Registered on	:	2025.04.25	Sampling date on	:	2025.04.24
Analysis started on	:	2025.04.25	Analysis Completed	:	2025.05.02
Test Required	:	Temp, Particle Size, Cl, S, SO4,F, AN,Na,B,RFC,As,Cd,Se, Hg,Pesticides,Ammonia, P,TKN, RSC, CN, Heavy Metals, BOD, COD, O&G, pH, TSS, TDS, Cr,Cu,Cr+6,Pb, Ni, Phenolic Compunds, Zn, K			
Method of Testing	:	As per APHA 24th Edition and IS: 3025(Part 44)			

Samples Collected by Vimta Labs Limited. LAB REF.: EC:

TEST REPORT

Sr. No.	PARAMETER	UOM	SAMPLE ID		Limits
			RAW EFFLUENT	TREATED EFFLUENT	
1	Temperature	°C	26.1	25.9	-
2	Particle size of total Suspended Solid	Microns	32.8	30.2	-
3	Chloride as Cl	mg/L	282.4	484.6	-
4	Sulphide as S	mg/L	3.1	<1.0	2.0
5	Sulphate as SO_4	mg/L	317.4	164.9	-
6	Fluoride as F	mg/L	2.67	0.31	2.0
7	Ammonical Nitrogen as N	mg/L	79.8	10.9	50.0
8	Sodium as Na	mg/L	908.5	489	-
9	Boron as B	mg/L	3.22	0.43	-
10	Total Residual Chlorine	mg/L	3.3	<0.1	1.0
11	Arsenic as As	mg/L	<0.01	<0.01	0.2
12	Cadmium as Cd	mg/L	0.72	<0.01	2.0
13	Selenium as Se	mg/L	0.08	<0.01	0.05
14	Mercury as Hg	mg/L	<0.01	<0.001	0.01
15	Pesticides	mg/L	Absent	Absent	-
16	Free Ammonia as NH3	mg/L	3.64	0.23	5.0
17	Dissolved Phosphate as P	mg/L	72.4	0.30	5.0
18	Total Kjeldahl Nitrogen as (N)	mg/L	168.2	34.2	100
19	Cyanide as (CN)	mg/L	<0.02	<0.02	0.2
20	Residual Sodium Carbonate	-	4.20	2.14	-
21	Total Heavy Metals	mg/L	36.8	1.26	-
22	Biochemical Oxygen Demand at 27°C	mg/L	2682	35	50.0
23	Chemical Oxygen Demand	mg/L	9090	150	250.0
24	Oil & Grease	mg/L	8.7	3.1	10.0
25	pH at 25°C	---	7.83	7.12	5.5-9.0
26	Total Suspended Solids at 105°C	mg/L	872	24	100.0
27	Total Dissolved Solids at 180°C	mg/L	2167	2028	2000.0

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T.S, INDIA

Report Number	:	**VLL/VLS/25/01900/EW/001**
Issue Date	:	**2025.05.05**
P.O. Number	:	**0015413752**
P.O. Date	:	**2025.03.31**

Sample Particulars : **EFFLUENTS WATER SAMPLES**

Samples Registered on	:	2025.04.25	Sampling date on	:	2025.04.24
Analysis started on	:	2025.04.25	Analysis Completed	:	2025.05.02
Test Required	:	Temp, Particle Size, Cl, S,SO4,F, AN,Na,B,RFC,As,Cd,Se, Hg,Pesticides,Ammonia, P,TKN,CN, Heavy Metals,BOD,COD,O&G,pH,TSS, TDS, Cr,Cu,Cr+6,Pb, Ni, Phenolic Compounds, Zn, K			
Method of Testing	:	As per APHA 24th Edition and IS: 3025[Part-44]			
Samples Collected by Vimta Labs Limited.			LAB REF.: EC:		

TEST REPORT

Sr.No.	PARAMETER	UOM	SAMPLE ID		
			RAW EFFLUENT	TREATED EFFLUENT	Limits
28	Chromium as Cr	mg/L	1.52	0.14	2.0
29	Copper as Cu	mg/L	16.1	0.58	3.0
30	Hexavalent Chromium as Cr^{6+}	mg/L	1.18	<0.01	0.1
31	Lead as Pb	mg/L	1.12	0.09	0.1
32	Nickel as Ni	mg/L	0.50	0.12	3.0
33	Phenolic Compounds as C_6H_5OH	mg/L	1.57	<0.001	1.0
34	Zinc as Zn	mg/L	12.3	0.58	5.0
35	Potassium as K	mg/L	15	12.7	-

Remarks: Results relate only to the sample tested.
Instrument Used: ICP - OES & UV-Vis Spectrophotometer
ICP OES Calibrated on: 21/12/2024, Calibration Due date:24/06/2025; (ID No..: VLS-NT/ICP-OES/01)
UV-VIS Spectrophotometer Calibrated on: 11/02/2025, Calibration Due date:10/05/2025; (ID No..: VLS-NT/UV-VIS/01)

- END OF THE TEST REPORT -

Name and Designation of Authorized Signatory

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T.S. INDIA

Report Number : **VLL/VLS/25/03110/EW/001**
Issue Date : **2025.05.22**
P.O. Number : **0015413752**
P.O. Date : **2025.03.31**

Sample Particulars : **EFFLUENTS WATER SAMPLES**

Samples Registered on	:	2025.05.12	Sampling date on	:	2025.05.10
Analysis started on	:	2025.05.13	Analysis Completed	:	2025.05.21
Test Required	:	Temp, Particle Size, Cl, S, SO4,F, AN,Na,B,RFC,As,Cd,Se, Hg,Pesticides,Ammonia, P,TKN, RSC, CN, Heavy Metals, BOD, COD, O&G, pH, TSS, TDS, Cr,Cu,Cr+6,Pb, Ni, Phenolic Compunds, Zn, K			
Method of Testing	:	As per APHA 24th Edition and IS: 3025(Part-44)			

Samples Collected by Vimta Labs Limited. LAB REF.: EC;

TEST REPORT

Sr. No.	PARAMETER	UOM	SAMPLE ID		Limits
			RAW EFFLUENT	TREATED EFFLUENT	
1	Temperature	°C	28.1	28.2	-
2	Particle size of total Suspended Solid	Microns	31.5	28.4	-
3	Chloride as Cl	mg/L	274.9	484.8	-
4	Sulphide as S	mg/L	3.3	<1.0	2.0
5	Sulphate as SO_4	mg/L	304.8	152.6	-
6	Fluoride as F	mg/L	2.19	0.25	2.0
7	Ammonical Nitrogen as N	mg/L	74.4	12.6	50.0
8	Sodium as Na	mg/L	892	475	-
9	Boron as B	mg/L	3.07	0.41	-
10	Total Residual Chlorine	mg/L	3.1	<0.1	1.0
11	Arsenic as As	mg/L	<0.01	<0.01	0.2
12	Cadmium as Cd	mg/L	0.66	<0.01	2.0
13	Selenium as Se	mg/L	0.07	<0.01	0.05
14	Mercury as Hg	mg/L	<0.01	<0.001	0.01
15	Pesticides	mg/L	Absent	Absent	-
16	Free Ammonia as NH3	mg/L	3.42	0.19	5.0
17	Dissolved Phosphate as P	mg/L	71.5	0.27	5.0
18	Total Kjeldahl Nitrogen as [illegible]	mg/L	162.4	31.9	100
19	Cyanide as [illegible]	mg/L	<0.02	<0.02	0.2
20	Residual Sodium Carbonate	-	4.05	1.94	-
21	Total Heavy Metals	mg/L	2.2	1.18	-
22	Biochemical Oxygen Demand at 27°C	mg/L	2635	42	50.0
23	Chemical Oxygen Demand	mg/L	9030	190	250.0
24	Oil & Grease	mg/L	3.5	2.4	10.0
25	pH at 25°C	---	7.71	7.28	5.5-9.0
26	Total Suspended Solids at 105°C	mg/L	863	22	100.0
27	Total Dissolved Solids at 180°C	mg/L	2145	2013	2000.0

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T.S. INDIA

Report Number	:	**VLL/VLS/25/03110/EW/001**
Issue Date	:	**2025.05.22**
P.O. Number	:	**0015413752**
P.O. Date	:	**2025.03.31**

Sample Particulars : **EFFLUENTS WATER SAMPLES**

Samples Registered on	:	2025.05.12	Sampling date on	:	2025.05.10
Analysis started on	:	2025.05.13	Analysis Completed	:	2025.05.21
Test Required	:	Temp, Particle Size, Cl, S,SO4,F, AN,Na,B,RFC,As,Cd,Se, Hg,Pesticides,Ammonia, P,TKN,CN, Heavy Metals,BOD,COD,O&G,pH,TSS, TDS, Cr,Cu,Cr+6,Pb, Ni, Phenolic Compunds, Zn, K			
Method of Testing	:	As per APHA 24th Edition and IS: 3025(Part-44)			
Samples Collected by Vimta Labs Limited.			LAB REF.: EC;		

TEST REPORT

Sr.No.	PARAMETER	UOM	SAMPLE ID		
			RAW EFFLUENT	TREATED EFFLUENT	Limits
28	Chromium as Cr	mg/L	1.47	0.18	2.0
29	Copper as Cu	mg/L	15.2	0.51	3.0
30	Hexavalent Chromium as Cr^{6+}	mg/L	1.05	<0.01	0.1
31	Lead as Pb	mg/L	1.20	0.08	0.1
32	Nickel as Ni	mg/L	0.43	0.14	3.0
33	Phenolic Compounds as C_6H_5OH	mg/L	1.52	<0.001	1.0
34	Zinc as Zn	mg/L	11.8	0.55	5.0
35	Potassium as K	mg/L	13	11.6	-

Remarks: Results relate only to the sample tested.
Instrument Used: ICP - OES & UV-Vis Spectrophotometer
ICP OES Calibrated on: 21/12/2024, Calibration Due date:24/06/2025; (ID No..: VLS-NT/ICP-OES/01)
UV-VIS Spectrophotometer Calibrated on: 09/02/2025, Calibration Due date:10/08/2025; (ID No..: VLS-NT/UV-VIS/01)

- END OF THE TEST REPORT -

Name and Designation of Authorized Signatory

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Report Number	:	**VLL/VLS/25/05864/EW/001**
Issue Date	:	**2025.06.26**
P.O. Number	:	**0015413752**
P.O. Date	:	**2025.03.31**

Sample Particulars : EFFLUENTS WATER SAMPLES

Samples Registered on	:	2025.06.18	Sampling date on	2025.06.17
Analysis started on	:	2025.06.19	Analysis Completed	2025.06.25
Test Required	:	Temp, Particle Size, Cl, S, SO4,F, AN,Na,B,RFC,As,Cd,Se, Hg,Pesticides,Ammonia, P,TKN, RSC, CN, Heavy Metals, BOD, COD, O&G, pH, TSS, TDS, Cr,Cu,Cr+6,Pb, Ni, Phenolic Compunds, Zn, K		
Method of Testing	:	As per APHA 24th Edition and IS: 3025(Part-44)		
Samples Collected by Vimta Labs Limited.			LAB REF.: EC/	

TEST REPORT

Sr. No.	PARAMETER	UOM	SAMPLE ID RAW EFFLUENT	Limits
	[illegible]	°C	[illegible]7	-
	[illegible]	[illegible]crons	[illegible]6	-
3	Chloride as [illegible]	mg/l	262.4	-
4	[illegible]	mg/l	[illegible].1	[illegible]
[illegible]	[illegible]	mg/l	295	-
6	Fluoride as F	mg/l	2.37	2.0
7	Ammonical Nitrogen as N	mg/l	[illegible]	[illegible].0
[illegible]	[illegible]	mg/l	681	-
9	Boron as B	mg/l	2.79	-
10	Total Residual Chlorine	mg/l	[illegible]	[illegible]
[illegible]	Arsenic as As	mg/l	<0.01	[illegible]
[illegible]	[illegible]m as Cd	mg/l	0.61	2.0
[illegible]	[illegible]	mg/l	[illegible]	[illegible]05
14	[illegible]cury as Hg	mg/l	<0.01	0.01
15	Pesticides	mg/l	Absent	-
16	[illegible] Ammonia as N	mg/l	[illegible]	5.0
17	Dissolved Phosphate as P	mg/l	[illegible]	[illegible]
[illegible]	[illegible]	mg/l	164.2	[illegible]
19	[illegible]nide as [illegible]	mg/l	<0.02	0.2
20	Residual Sodium Carbonate	-	[illegible]	-
[illegible]	[illegible]	mg/l	[illegible]	-
[illegible]	[illegible] Oxygen Demand at 27[illegible]	mg/l	2710	30.0
23	Chemical [illegible] Demand	mg/l	9060	[illegible]
24	[illegible] & Grease	mg/l	[illegible]	10.0
25	pH at [illegible]	—	7.59	5.5-9.0
[illegible]	[illegible]	mg/l	[illegible]	[illegible]
[illegible]	Total [illegible]sso[illegible] at [illegible]	[illegible]	[illegible]	[illegible]

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Vimta
Driven by Quality, Inspired by Science.

ISSUED TO:
M/s. ASIAN PAINTS LIMITED
PLOT NO-50-55, IDA
PATANCHERU,
SANGA REDDY DISTRICT
T.S. INDIA

Report Number	:	**VLL/VLS/25/05864/EW/001**
Issue Date	:	**2025.06.26**
P.O. Number	:	**0015413752**
P.O. Date	:	**2025.03.31**

Sample Particulars	:	EFFLUENTS WATER SAMPLES		
Samples Registered on	:	2025.06.18	Sampling date on	2025.06.17
Analysis started on	:	2025.06.19	Analysis Completed	2025.06.25
Test Required	:	Temp, Particle Size, Cl, S,SO4,F, AN,Na,B,RFC,As,Cd,Se, Hg,Pesticides,Ammonia, P,TKN,CN, Heavy Metals,BOD,COD,O&G,pH,TSS, TDS, Cr,Cu,Cr+6,Pb, Ni, Phenolic Compunds, Zn, K		
Method of Testing	:	As per APHA 24th Edition and IS: 3025 Part-44		

Samples Collected by Vimta Labs Limited. LAB REF.: EC:

TEST REPORT

Sr.No.	PARAMETER	UOM	SAMPLE ID	
			RAW EFFLUENT	Limits
28	Chromium as Cr	mg/L	1.41	2.0
29	Copper as Cu	mg/L	14.7	3.0
30	Hexavalent Chromium as Cr^{6+}	mg/L	1.08	0.1
31	Lead as Pb	mg/L	1.15	0.1
32	Nickel as Ni	mg/L	0.39	3.0
33	Phenolic compounds as C_6H_5OH	mg/L	1.46	1.0
34	Zinc as Zn	mg/L	11.2	5.0
35	Potassium as K	mg/L	12.4	-

Remarks: Results relate only to the sample tested.
Instrument Used: ICP - OES & UV-Vis Spectrophotometer
ICP OES Calibrated on: 19/06/025, Calibration Due date:24/12/2025; (ID No..: VLS-NT/ICP-OES/01)
UV VIS Spectrophotometer Calibrated on: 21/05/2025, Calibration Due date:20/08/2025; (ID No..: VLS-NT/UV-VIS/01)

- END OF THE TEST REPORT -

Name and Designation of Authorized Signatory

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SANGA REDDY DISTRICT
T.S. INDIA

Report Number	:	**VLL/VLS/25/05864/001**
Issue Date	:	**2025.06.30**
P.O. Number	:	**0015413752**
P.O. Date	:	**2025.03.31**

Sample Particulars : TREATED WATER SAMPLES

Samples Registered on	:	2025.06.18	Sampling date on	2025.06.17
Analysis started on	:	2025.06.19	Analysis Completed	2025.06.30
Test Required	:	pH ,Temp, RFC, As, Hg, Pb , Cd ,Cu, Cr Cl, Se, Ni, B,RSC , Phenolic Compounds , TSS, TDS, TKN , O&G, NH3, AN, P, Cr+6, S, SO4, CN, K, Ca, COD, BOD, Zn, Fe, Mn, F, Na, Total Heavy metals, Carbonate and Bicarbonate.		
Method of Test	:	As per APHA 24th Edition and IS: 3025(Part-44)		

Samples Collected by Vimta Labs Limited. LAB REF.: EC:

TEST REPORT

Sr. No.	PARAMETERS	UOM	TREATED WATER	Limits
1	pH at 25°C	—	7.98	5.5-9.0
2	Temperature	°C	25.4	-
3	Total Residual Chlorine	mg/L	<0.1	1
4	Arsenic as As	mg/L	<0.01	0.2
5	Mercury as Hg	mg/L	<0.001	0.01
6	Lead as Pb	mg/L	<0.01	0.1
7	Cadmium as Cd	mg/L	0.001	2
8	Copper as Cu	mg/L	0.032	3
9	Chromium as Cr	mg/L	1.496	2
10	Chloride as Cl	mg/L	574.8	-
11	Selenium as Se	mg/L	<0.02	0.05
12	Nickel as Ni	mg/L	0.95	3
13	Boron as B	mg/L	0.526	-
14	Residual Sodium Carbonate	-	14.73	-
15	Phenolic Compounds as C_6H_5OH	mg/L	<0.001	1
16	Total Suspended Solids at 105°C	mg/L	30	100
17	Total Dissolved Solids at 180°C	mg/L	2100	2000
18	Total Kjeldahl Nitrogen as (N)	mg/L	17.2	100
19	Oil & Grease	mg/L	1.8	10

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PLOT NO-50-55, IDA
PATANCHERU,
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T.S. INDIA

Report Number	:	**VLL/VLS/25/05864/001**
Issue Date	:	**2025.06.26**
P.O. Number	:	**0015413752**
P.O. Date	:	**2025.03.31**

Sample Particulars : TREATED WATER SAMPLES

Samples Registered	:	2025.06.18	Sampling date on	2025.06.17
Analysis started on	:	2025.06.19	Analysis Completed	2025.06.25
Test Required	:	pH ,Temp, RFC, As, Hg, Pb , Cd ,Cu, Cr Cl, Se, Ni, B,RSC , Phenolic Compounds , TSS, TDS, TKN , O&G, NH3, AN, P, Cr+6, S, SO4, CN, K, Ca, COD, BOD, Zn, Fe, Mn, F, Na, Total Heavy metals. Carbonate and Bicarbonate,		
Method of Testing	:	As per APHA 24th Edition and IS: 3025 Part-44)		
Samples Collected by Vimta Labs Limited.			LAB REF.: EC;	

TEST REPORT

Sr. No.	PARAMETERS	UOM	TREATED WATER	Limits
20	Free Ammonia as NH3	mg/L	2.5	5
21	Ammonical Nitrogen as N	mg/L	5.8	50
22	Dissolved Phosphate as P	mg/L	1.67	5
23	Hexavalent Chromium as Cr^{6+}	mg/L	<0.01	0.1
24	Sulphate as SO_4	mg/L	17.8	-
25	Sulphide as S	mg/L	<1.0	2
26	Cyanide as (CN)	mg/L	<0.02	0.2
27	Potassium as K	mg/L	30.91	-
28	Calcium as Ca	mg/L	30	-
29	Chemical Oxygen Demand	mg/L	130	250
30	Biochemical Oxygen Demand at 27°C	mg/L	42	50
31	Zinc as Zn	mg/L	0.09	5
32	Iron as Fe	mg/L	5.209	-
33	Manganese as Mn	mg/L	0.133	-
34	Fluoride as F	mg/L	0.714	2
35	Sodium as Na	mg/L	529	-
36	Total Heavy Metals	mg/L	3.22	-
37	Carbonate as CO3	mg/L	<5.0	-
38	Bicarbonate as HCO3	mg/L	895	-

Remarks: Results relate only to the sample tested.
Instrument Used: ICP - OES & UV-Vis Spectrophotometer
ICP OES Calibrated on: 19/06/025, Calibration Due date: 24/12/2025; (ID No..: VLS-NT/ICP-OES/01)
UV-VIS Spectrophotometer Calibrated on: 21/05/2025, Calibration Due date: 20/08/2025; (ID No..: VLS-NT/UV-VIS/01)

- END OF THE TEST REPORT –

Name and Designation of Authorized Signatory

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